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## TSUNAMI INFORMATION SOURCES

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## TSUNAMI INFORMATION SOURCES

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### INTRODUCTION

I have expanded substantially my list of information sources on: tsunami generation (sources, impulsive mechanisms), propagation, effects of nearshore bathymetry, and wave run-up on shore - including physical (hydraulic) modeling and numerical modeling. This expanded list includes the subjects of field investigations of tsunamis soon after an event; damage effects in harbors on boats, ships, and facilities; tsunami wave-induced forces; damage by tsunami waves to structures on shore; scour/erosion; hazard mitigation; land use planning; zoning; siting, design, construction and maintenance of structures and infrastructure; public awareness and education; distant and local sources; tsunami warning and evacuation programs; tsunami probability and risk criteria. A few references are on "sedimentary signatures" useful in the study of historic and prehistoric tsunamis (paleo-tsunamis). In addition to references specifically on tsunamis, there are references on long water wave and solitary wave theory; wave refraction, diffraction, and reflection; shelf and basin free and forced oscillations (bay and harbor response; seiches); edge waves; Mach-reflection of long water waves ("stem waves"); wave run-up on shore; energy dissipation. All are important in understanding tsunamis, and in hazard mitigation. References are given on subaerial and submarine landslide (and rockfall) generated waves in reservoirs, fjords, bays, and ocean; volcano explosive eruptions/collapse; underwater and surface explosions; asteroid impact. This report is in two parts: 1) Bibliographies, books and pamphlets, catalogs, collections, journals and newsletters, maps, organizations, proceedings, videos and photos; 2) Articles, papers, reports listed alphabetically by author.

Many papers on the Indian Ocean (Sumatra) tsunami of 26 December 2004, were given at the 22nd IUGG International Tsunami Symposium, Chania, Crete, 27-29 June 2005, but had not been published at the date of this report. For the program, see <http://www.gein.noa.gr/English/tsunamis.htm>

This list of tsunami information sources (115 pp, about 3,300 entries) is also available on a diskette, at the Water Resources Center Archives, 410 O'Brien Hall, University of California, Berkeley, CA, 94720-1718. Most of the publications are available in the Water Resources Center Archives or the Earth Sciences Library, University of California, Berkeley, CA.

I wish to acknowledge my appreciation of the great help of the staff of the Water Resources Center Archives in finding some difficult to obtain publications; in particular Paul S. Atwood for his help for those on websites and other computer sources. I want to thank John M. Wiegel for his continuous help in searching for sources on websites via computer search-engines.

**1) BIBLIOGRAPHIES; BOOKS AND PAMPHLETS;  
CATALOGS; COLLECTIONS; JOURNALS AND  
NEWSLETTERS; MAPS; ORGANIZATIONS;  
PROCEEDINGS, SYMPOSIA, AND WORKSHOPS;  
VIDEOS AND PHOTOGRAPHS**

**Bibliographies**

*The Annotated Bibliography of Tsunamis (1889-1962)*, preface by Ryutaro Takahasi, published by Japanese Organization for Tsunami Investigations (JOTI), Tokyo, September 1962, 51 pp (350 references)

*Annotated Bibliography on Tsunamis*, by M.P. Cuellar, U.S. Army Corps of Engineers, Beach Erosion Board, Washington, D.C., Tech. Memo. No. 30, 1953, 69 pp (195 references)

*Annotated Bibliography on Tsunamis*, Compiled and edited by Mark G. Spaeth (U.S. Coast and Geodetic Survey), in response to a resolution on 21 August 1963 during the XIII General Assembly of the International Union of Geodesy and Geophysics (IUGG), Paris, France, IUGG Monograph No. 27, July 1964, 249 pp, (1778 refs.)

*Annotated Bibliography on Water Waves Caused by Explosions*, by R.A. Smith, DASIAC Special Report 58, DASA Information and Analysis Center, April 1967

*Annotated Tsunami Bibliography, 1962-1976*, by G. Pararas-Carayannis, B. Dong, and R. Farmer, NOAA, International Tsunami Information Center for the Nuclear Regulatory Commission, Paper NUREG/CR-2840, 1982, 532 pp

*Bibliography to the Preliminary Catalog of Tsunamis Occurring in the Pacific Ocean*, by Kumizi Iida, Doak C. Cox, and George Pararas-Carayannis, Univ. Hawaii, Hawaii Institute of Geophysics, Honolulu, HI, Rept. HIG-67-25, Dec. 1967, 27 pp

*An Index to Tsunami Literature to 1966*, by Wm. Mansfield Adams, Data Report No. 8, Hawaii Institute of Geophysics, Univ. Hawaii, Honolulu, HI, HIG 67-21, 1967, 241 pp

*Survey of Research Studies and Technological Development on the Problem of Tsunami in USSR in 1987-1989*, by S.L. Soloviev, Science of Tsunami Hazards, Vol. 8, No. 1, 1990, pp 3-33 (268 references of Russian studies)

*Tsunami Bibliography, 1962-1976*, at the International Tsunami Information Center (ITIC); handwritten index card form, about 3,000 citations of tsunami-related papers, in English, or other languages with English titles or abstracts. Note in Tsunami Newsletter, Vol. 13, No. 2, July 1980, p. 28

*Tsunami Information Sources*, by Robert L. Wiegel, Univ. of California, Berkeley, CA, Hyd. Engineering Laboratory Rept. UCB/HEL 2005-1, 14 December 2005, 115 pp (about 3,300 references and other sources listed). Also, on a diskette at Water Resources Center Archives, University of California, Berkeley, CA 94720-1718

*Tsunamis: A Bibliography with Abstracts, Search Period 1964 - November 1977*, Guy E. Habercom, Jr., editor, U.S. Dept. Commerce, National Technical Information Service (NTIS), Springfield, VA, NTIS/PS-77/1165, 190 pp

*Earthquake and Tsunami Hazards in the United States: A Research Assessment*, by Robert E. Ayre, with

*Tsunamis: A Selected Bibliography*, by Rani J.K. Chawla, Dept. Fisheries and the Environment, Ottawa, Canada, Manuscript Series No. 51, 1978, 4 pp and microfische in pocket (about 1,900 references)

**Books and Pamphlets**

*Analysis of Structural Damage from the 1960 Tsunami at Hilo, Hawaii*, by Hudson Matlock, Lymon D. Reese, and Robert B. Matlock, Structural Mechanics Research Laboratory, The University of Texas, Austin, TX, prepared for the Defense Atomic Support Agency, March 1962, 95 pp

*Are You Ready: Tsunamis*, by FEMA, Washington, D.C., updated 26 Jan. 2005, 3 page printout from <http://www.fema.gov/areyouready/tsunamis.shtm>

*The Chilean Tsunami of May 24, 1960, As Observed Along the Coast of Japan*, by Committee for Field Investigation of the Chilean Tsunami of 1960 (Ryutaro Takahasi, Chairman), Maruzen Co., Tokyo, December 1961, 397 pp (114 tide gage records; 48 photos in the front, and others in several sections)

*Coastal Construction Manual - Principles and Practice of Planning, Siting, Designing, Constructing, and Maintaining Residential Buildings in Coastal Areas*, U.S. Federal Emergency Management Agency (FEMA), Washington, D.C., 3rd ed., 3 vol. (FEMA 55), 2000, various pagination

*Coastal Earthquakes and Tsunamis: Reducing the Risks*, eds. J.W. Charland and J.W. Good, Oregon Sea Grant, Corvallis, OR, 1996

*Comprehensive Planning for Tsunami Hazard Areas*, by Urban Regional Research, Seattle, WA; for the National Science Foundation, 1988, 246 pp

*Crescent City's Dark Disaster*, March 27-28, 1964, by Wallace Griffin, Crescent City Printing Co., Crescent City, CA, 1964, 66 pp (many photos, and quotes from residents)

*Design and Construction Manual for Residential Buildings in Coastal High Hazard Areas*, prepared by Dames & Moore, for Federal Insurance Administration, Washington D.C., FIA-7, January 1981, 189 pp

*Design and Construction Standards for Residential Construction in Tsunami-prone Areas of Hawaii*, by Dames and Moore, Washington D.C.; prepared for U.S. Dept. of Housing and Urban Development, and Federal Emergency Management Agency (FEMA), 1980, various pagination, maps, plans

*Designing for Tsunamis: Background Papers*, National Tsunami Mitigation Program (NOAA, USGS, FEMA, NSF, Alaska, California, Hawaii, Oregon, and Washington); seven background papers developed for use in preparation of the publication "Designing for Tsunamis: Seven Principles for Planning and Designing for Tsunami Hazards," March 2001, various pagination. Available in print, and online [http://www.prh.noaa.gov/itic/library/pubs/online\\_docs/Designing\\_for\\_Tsunamis.pdf](http://www.prh.noaa.gov/itic/library/pubs/online_docs/Designing_for_Tsunamis.pdf)

*Designing for Tsunamis: Seven Principles for Planning and Designing for Tsunami Hazards*, National Tsunami Hazard Mitigation Program (NOAA, USGS, FEMA, NSF, Alaska, California, Hawaii, Oregon, and Washington), March 2001, 60 pp, 8-1/2" x 11" format, with illustrations

Dennis S. Mileti and Patricia B. Trainer, prepared for the National Science Foundation, by Institute of

Behavioral Science, University of Colorado, Monograph No. NSF-RA-E-75-005, 1975, 150 pp

*Earthquake Engineering Research*, by Committee on Earthquake Engineering Research, a report to the National Science Foundation, from the National Academy of Engineering/ National Research Council; National Academy of Sciences, Wash. D.C., 1969, 313 pp

*Earthquake Occurrence and Effects in Ocean Areas*, by Basil W. Wilson, prepared for U.S. Naval Civil Engineering Laboratory, Port Hueneme, CA, Contract No. N62399-68-C-0042, Feb. 1969, 188 pp

*Earthquakes, Volcanoes, and Tsunamis: An Anatomy of Hazards*, by Karl V. Steinbrugge, Skandia America Group, New York, 1982, 392 pp

*Evaluating Earthquake Hazards in the Los Angeles Region - An Earth-Science Perspective*, ed. J.I. Ziony, U.S. Geological Survey, Professional Paper No. 1360, U.S. Gov't. Printing Office, Wash. D.C., 1985, 505 pp

*Findings & Recommendations for Mitigating the Risks of Tsunamis in California*, California: Governor's Office of Emergency Services (OES), Earthquake Program, Sept. 1997, 30 pp

*The Great Alaskan Earthquake of 1964: Oceanography and Coastal Engineering*, National Academy of Sciences, Committee on the Alaska Earthquake, National Academy Press, Washington D.C., 1972, 556 pp

*The Great Waves*, by Douglas Myles, McGraw-Hill Book Co., New York, 1985, 206 pp

*Local Planning Guidance on Tsunami Response*, 2nd edition, A Supplement to the Emergency Planning Guidance for Local Governments, California Governor's Office of Emergency Services (OES), (undated, probably 2000), 206 pp

*Multi Hazard Identification and Risk Assessment. The Cornerstone of the National Mitigation Strategy*, by Federal Emergency Management Agency (FEMA), Federal Insurance Administration (FIA), 1997, 369 pp (tsunami events, pp 205-213)

*Numerical Modeling of Tsunami Waves*, by A.G. Marchuk, L.B. Chubarov, and I.I. Shokin, Nauka Press, Siberian Branch, Novosibirsk, USSR, 1983, 282 pp (English translation)

*Numerical Modeling of Water Waves*, by Charles L. Mader, University of California Press, 1998, 206 pp. Second Edition, CRC Press, 2004, 274 pp

*The Orphan Tsunami of 1700 -- Japanese Clues to a Parent Earthquake in North America*, by Brian F. Atwater, Satoko Musumi-Rokkaku, Kenji Satake, Yoshinobu Tsuji, Kazue Ueda, and David K. Yamaguchi, U.S. Geological Survey Professional Paper 1707, Univ. Washington Press, 2005, 144 pp; also 144-page PDF file (116.8 MB)  
<http://pubs.usgs.gov/pp/pp1707>

*Planning Scenario in Humboldt and Del Monte Counties, California for a Great Earthquake on the Cascadia Subduction Zone*, by Tousson R. Topozada, Glenn Borchardt, Wayne Haydon, Mark Petersen, Robert Olson, Henry Lagorio, and Theodore Anvik, State of California Dept. of Conservation, Division of Mines and Geology, Sacramento, CA, Special Publication 115, January 1995, 159 pp, 16 maps appended  
*Tsunami! The Story of the Seismic Sea-Wave Warning*

*Protection of Hilo from Tsunamis*, by Hilo Technical Tsunami Advisory Council to the Board of Supervisors, Hawaii County (Ryutaro Takahasi, Chairman, Masatsugu Suzuki, Masashi Homma, Robert L. Wiegel, and Doak C. Cox), through the Board's Tsunami Advisory Committee, 6 April 1962, 17 pp; reproduced in the Sunday Tribune-Herald, Hilo, HI, 8 April 1962, pp 1, 10, and 11

*Seismic Sea Waves - Tsunamis*, by T.S. Murty, Bulletin of the Fisheries Research Board of Canada, Ottawa, No. 198, 1977, 337 pp

*Sumatra-Andaman Islands Earthquake and Tsunami of December 26, 2004 Lifeline Performance, Preliminary*, eds. Carl Strand and John Masek, ASCE, Technical Council on Lifeline Earthquake Engineering (TCLEE), Monograph No. 29, Oct. 2005, 258 pp

*Surviving a Tsunami - Lessons from Chile, Hawaii, and Japan*, by Brian F. Atwater, Marco Cisternas V., Joanne Bourgeois, Walter C. Dudley, James W. Hendley II, and Peter H. Stauffer, National Tsunami Hazard Mitigation Program, U.S. Geological Survey, Dept. of the Interior, Circular 1187, 1999, 20 pp

*Tsunami!*, by Walter C. Dudley and Min Lee, Univ. of Hawaii Press, Honolulu, HI, 1988. Second edition, 1998, 362 pp

*Tsunami Engineering*, by Frederick E. Camfield, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Vicksburg, MS, Special Report No. 6, SR-6, Feb. 1980, 222 pp

*Tsunami Glossary. A Glossary of Terms and Acronyms Used in the Tsunami Literature*, Intergovernmental Oceanographic Commission (IOC), UNESCO, IOC Technical Series No. 37, 1991, 136 pp

*Tsunami. Monster Waves*, by Mary Dodson Wade, Enslow Publishers, Inc., Berkeley Heights, NJ, 2002, 48 pp

*The Tsunami of April 1, 1946*, by F.P. Shepard, G.A. Macdonald, and D.C. Cox, Bulletin of the Scripps Institution of Oceanography, Univ. of Calif. Press, CA; a separate volume, 1950, pp 391-528, plates 6-33, and 21 figs. in text

*The Tsunami of 1946 and 1960 and the Devastation of Hilo Town*, by Walt Dudley and Scott C.S. Stone, Pacific Tsunami Museum, Hilo, HI, Donning Co. Publisher, Virginia Beach, VA, 2000, 64 pp

*The Tsunami of the Alaskan Earthquake, 1964: Engineering Evaluation*, by Basil W. Wilson and A. Torum, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Washington D.C., Tech. Memo. No. 25, May 1968, 443 pp (incl. 75 photos)

*Tsunami Research Opportunities*, by National Science Foundation and NOAA, eds. Eddie Bernard and Richard Goulet; from the Tsunami Research Planning Workshop, August 1981, Seattle, WA, Sept. 1981, 50 pp

*Tsunami! The Great Waves*, by U.S. National Weather Service, U.S. Gov't. Printing Office, Wash. D.C., 1975, 19 pp; revised, May 2002, 12 pp

*Tsunami: The Great Waves*, U.S. Dept. Commerce, NOAA, National Weather Service and Intergovernmental Oceanographic Commission (IOC), International Tsunami Information Center, 1998, 6 page brochure printout from Website  
<http://www.nws.noaa.gov/om/brochures/tsunami.htm>

*System*, U.S. Coast and Geodetic Survey, U.S. Dept.

Commerce, U.S. Gov't. Printing Office, Wash., D.C., 0-767-154, 1965, 46 pp

*Tsunami: The Underrated Hazard*, by Edward Bryant, Cambridge University Press, 2001, 320 pp

*Tsunami Warning Systems and Procedures;: Guidance for Local Officials*, Oregon Emergency Management and Oregon Department of Geology and Mineral Industries Special Papers ISSN 0278-3703, Portland, Oregon, [2001 Version: PDF (1.51 MB), 24/03/05], 2001, 41 pp. Available from Nature of the Northwest Information Center, Portland, OR  
<http://www.naturenw.org>

#### Catalogs

*Brief History of Tsunamis in the Caribbean Sea*, by J.F. Lander, L.S. Whiteside, and P.A. Lockridge, Science of Tsunami Hazards, Vol. 20, No. 2, 2002, pp 57-94

*Caribbean Tsunamis. A 500 Year History from 1498-1998*, by Karen Fay O'Loughlin and James F. Lander, Advances in Natural and Technological Hazards Research, Kluwer Academic Publishers, 1993, 263 pp

*Catalog of Tsunamis Generated in Italy and in Cote d'Azur, France: A Step Towards a Unified Catalogue of Tsunamis in Europe*, by S. Tinti and A. Maramai, Ann. Geofis., Vol. 39, 1996, pp 1,253-1,299

*Catalog of Tsunamis in Alaska*, by Doak C. Cox and G. Pararas-Carayannis, Envir. Sci. Serv. Admin. (ESSA), Dept. Interior, Washington D.C., 1969, 39 pp

*Catalog of Tsunamis in Alaska*, by Doak C. Cox, George Pararas-Carayannis, and J.P. Calebaugh, Rept. SE-1, World Data Center A, Solid Earth Geophysics, U.S. Dept. Commerce, National Oceanic and Atmospheric Administration (NOAA) Boulder, CO, March 1976, 43 pp

*Catalog of Tsunamis in Hawaii, Revised 1977*, by George Pararas-Carayannis and Jeffrey P. Calebaugh, World Data Center A for Solid Earth Geophysics, Rept. SE-4, U.S. Dept. Commerce, NOAA, Environmental Data Service, March 1977, 78 pp

*Catalog of Tsunamis in Japan and Its Neighboring Countries*, by K. Iida, Special Report, Aichi Institute of Technology, Japan, 1984, 52 pp

*Catalog of Tsunamis in the Eastern Mediterranean from Antiquity Until the Recent*, by J. Antonopoulos, Ann. Geofis., Vol. 32, 1979, pp 113-130

*Catalog of Tsunamis in the Hawaiian Islands*, by George Pararas-Carayannis, World Data Center A, Report WDCA-T 69-2, ESSA - U.S. Coast and Geodetic Survey, Boulder, CO, May 1969, 94 pp

*Catalog of Tsunamis in the Pacific, 1969-1982*, by S.L. Soloviev, Ch.N. Go, and Kh.S. Kim, (translated from Russian to English by Amerind Publishing Co., Pvt. Ltd., New Delhi, 1988), Academy of Sciences of the USSR, Soviet Geophysical Committee, Moscow, 1992, 208 pp, 80 figures, 8 maps, 46 tables (available in xeroxed copies at National Geophysical Data Center, NOAA, Boulder, CO)

*Catalog of Tsunamis in the Samoan Islands*, by ITIC (International Tsunami Information Center) for (by contract) the U.S. Army Corps of Engineers, Hydraulics Laboratory, Vicksburg, MS, for use in study by James Houston. Notes are in *Tsunami Earthquakes, Tsunamis, and Volcanoes in the Northeastern Indian Ocean*, U.S. Naval Oceanographic

Newsletter, Vol. 13, No. 2, July 1980, p. 29, and Vol. 13, No. 3, Dec. 1980, p. 17

*Catalog of Tsunamis on the Eastern Shore of the Pacific Ocean*, by S.L. Soloviev, and Ch.N. Go, Academy of Science of the USSR, Nauka Publishing House, Moscow, 1975. Translated from Russian to English by Canadian Institute for Science and Technical Information, No. 5078, National Research Council, Ottawa, Canada, 1984, 293 pp

*Catalog of Tsunamis on the Western Coast of Mexico*, by Antonio J. Sanchez and Salvador F. Farreras, NOAA National Geophysical Data Center (NGDC), World Data Center A for Solid Earth Geophysics, Publication SE-50, January 1993, 79 pp text, 26 tables, 5 figures, 67 marigrams

*Catalog of Tsunamis on the Western Shore of the Pacific Ocean*, by S.L. Soloviev, and Ch.N. Go, Academy of Science of the USSR, Nauka Publishing House, Moscow, 1974. Translated from Russian to English by Canadian Institute for Science and Technical Information, No. 5077, National Research Council, Ottawa, Canada, 1984, 439 pp

*Chronology of Felt Earthquakes and Tsunamis in the Regions of Vanuatu, New Caledonia (1729-1989)*, by Remy Louat and Catherine Baldassari, New Caledonia, Centre ORSTOM de Noumea, Rapports Scientifiques et Techniques Sciences de la Terre Geophysique No. 1, 1989, 47 pp

*Data for Investigating Tsunami Activity in the Mediterranean Sea*, by John Antonopoulos, Science of Tsunami Hazards, Vol. 8, No. 1, 1990, pp 39-52

*Data for the Investigation of Seismic Sea-waves in Europe*, by N.N. Ambraseys, Europ. Seism. Comm., Proc. Budapest Meeting, 7-13 Sept. 1964, Seismicity of Europe, Monograph No. 29, European Seismological Commission, IUGG, Paris, France, Nov. 1965, pp 78-81

*Data for the Investigation of the Seismic Sea Waves in the Eastern Mediterranean*, by N.N. Ambraseys, Bull. Seis. Soc. Amer., Vol. 52, No. 4, Oct. 1962, pp 895-913

*Data from Investigation on Seismic Sea Waves Events in the Eastern Mediterranean from Antiquity to 500 BC.*, by J. Antonopoulos, Tsunami Newsletter, Vol. 13, No. 3, Dec. 1980, pp 27-37

*Data from the Investigation of Seismic Sea-wave Events in the Eastern Mediterranean from the Birth of Christ (to 1980 A.D.)*, [In six parts: Birth of Christ to 500 A.D., 500 to 1000 A.D., 1000 to 1500 A.D., 1500 to 1800 A.D., 1800 to 1900 A.D., 1900 to 1980 A.D.], by J. Antonopoulos, Annali di Geofisica, Vol. 33, 1980, pp 141-248

*Destructive Tsunamis and Tsunami Warning in Central America*, by Mario Fernandez, Jens Havskov, and Kuvvet Atakan, Science of Tsunami Hazards, Vol. 17, No. 3, 1999, pp 173-185

*Distribution and Fatalities*, by Edward Bryant, In *Tsunami: The Underrated Hazard*, by Edward Bryant, Cambridge Univ. Press, 2001, pp 15-24

*Earthquakes Accompanied by Tsunamis Occurring Under the Sea Off the Islands of Japan*, by K. Iida, Jour. Earth Sci., Nagoya Univ., Japan, Vol. No. 1, March 1956, pp 1-53

Office, Geology Section, Environment Branch, Internal Report No. 68-61, Aug. 1968, 13 pp

*Hazardous Tsunami Catalog in Japan*, by H. Watanabe, Univ. Tokyo Press, Japan, 1985, 206 pp

[*Historical Seismograms and Earthquakes of the World*, eds. W.H.K. Lee, H. Meyers, and K. Shimzaki, Academic Press, San Diego, CA, 1988, 513 pp]

*Historical and Recent Tsunamis in the European Area*, by V. Sousa Moreira, Science of Tsunami Hazards, Vol. 6, No. 1, 1988, pp 37-42

*Historical Study of Tsunamis: Chronological and Area Lists*, by S.O. Wigen, International Tsunami Information Center, Honolulu, HI, 1977, (146 pp?)

*Historical Tsunami Database for Kuril-Kamchatka Region*, by V.K. Gusiaka and A.V. Osipova, In *Tsunamis in the World*, ed. S. Tinti, Kluwer Academic Pub., Dordrecht, The Netherlands, 1993, pp 17-30

*Historical Tsunami Database for the Pacific, 47 B.C. to Present*, [Version 2.4 of Feb. 21, 2005], by Tsunami Laboratory, Institute of Computational Mathematics and Mathematical Geophysics, Siberian Division Russian Academy of Sciences, Novosibirsk, Russia, for the UNESCO Intergovernmental Oceanographic Commission (IOC), 2005  
<http://tsun.sccc.ru/htdbpac/>

*Historical Tsunamis in Mainland Portugal and Azores - Case Histories*, by V.S. Moreira, In *Tsunamis in the World*, ed. S. Tinti, Kluwer Academic Pub., Dordrecht, The Netherlands, 1993, pp 65-73

*A History of Persian Earthquakes*, by N.N. Ambraseys and C.P. Melville, Cambridge Univ. Press, 1982, (tsunamis, p. 107)

*History of Tsunamis in Samoa*, by J.G. Keys, Apia Obs., Samoa, 1957, 9 pp

*Large Earthquakes, Mean Sea Level, and Tsunami Along the Pacific Coast of Mexico and Central America*, by G. Cruz and M. Wyss, Bull., Seis. Soc. Amer., Vol. 73, 1983, pp 553-570

*Local Tsunamis and Possible Local Tsunamis in Hawaii*, by Doak C. Cox and J. Morgan, Univ. of Hawaii, Hawaii Inst. of Geophysics, Honolulu, HI, Rept. 77-14, 1977, 118 pp

*Magnitude and Frequency of Tsunami Along the South Coast of New South Wales, Australia*, by E. Bryant and D. Price, Univ. of Wollongong, Australia, 1998

*Magnitude Scale for the Central American Tsunamis, (1900-1993)*, by Tokutaro Hatori, Pure and Applied Geophysics (PAGEOPH), Vol. 144, Nos. 3/4, 1995, pp 471-479

*New Zealand Tsunamis, 1840-1982*, by W.P. deLange and T.R. Healy, New Zealand Jour. Geology and Geophysics, Vol. 29, 1986, pp 115-134

*On-line Pacific Tsunami Catalog, 47 B.C. to Present*, Tsunami Laboratory, Novosibirsk, Russia, Email: [gvk@omzg.sccc.ru](mailto:gvk@omzg.sccc.ru)  
[http://tsun.sccc.ru/tsun\\_hp.htm](http://tsun.sccc.ru/tsun_hp.htm)

*On Statistical Tsunami Risk of Philippines*, by Shigehisa Nakamura, South East Asian Studies, Vol. 15, No. 4, 1978, pp 581-590

*On Statistical Tsunami Risk in Indonesia*, by S. Tsunamis Affecting the West Coast of the United States, 1806-1992, by James F. Lander, Patricia A. Lockridge, and Michael J. Kozuch, U.S. Dept.

Nakamura, In *Symposium on Long Waves in the Ocean*, Manuscript Report Series No. 53, Marine Sciences Directorate, Dept. of Fisheries and the Environment, Ottawa, Canada, 1979, pp 206-215

*On Statistics of Tsunamis in Indonesia*, by Shigehisa Nakamura, South East Asian Studies, Vol. 16, No. 4, March 1979, pp 664-674

*Preliminary Catalog of Tsunamis for the New Guinea-Solomon Islands Region, 1768-1972*, by I.B. Everingham, Rept. No. 180, Dept. Minerals and Energy, Bur. Miner., Resour.: Geol. and Geophysics, Canberra, Australia, 1977, 85 pp

*Preliminary Catalog of Tsunamis Occurring in the Pacific Ocean*, by Kumizi Iida, Doak C. Cox, and George Pararas-Carayannis, Univ. Hawaii, Hawaii Institute of Geophysics, Honolulu, HI, Rept. HIG-67-10, August 1967, 131 sheets (264 pp, unnumbered)

*Source Parameters of Destructive Tsunamis*, by Augustine S. Furumoto, Science of Tsunami Hazards, Vol. 9, No. 2, 1991, pp 95-114 (15 of the 372 transoceanic tsunamis listed, from 1800-1990)

*Tentative List of Tsunamis in the Marginal Seas of the North Indian Ocean*, by T.S. Murty and M. Rafiq, Natural Hazards, Vol. 4, No. 1, 1991, pp 81-83

*Tsunami Catalogs*, by National Geophysical Data Center (NOAA), EERI Newsletter, Vol. 11, No. 8, 1994, p. 8

*Tsunami Catalogue for Central America, 1539-1996*, by E. Molina, Tech. Rept. No. II 1-04, Reduction of Natural Hazards in Central America, Institute of Solid Earth, Univ. of Bergen, Norway, 1997, 87 pp

*Tsunami Hazard on the Spanish Coasts of the Iberian Peninsula*, by Maria Lourdes Campos, Science of Tsunami Hazards, Vol. 9, No. 1, 1991, pp 83-90

*The Tsunami History of Guam: 1849-1993*, by James F. Lander, Lowell S. Whiteside, and Paul Hattori, *Science of Tsunami Hazards*, Vol. 20, No. 3, 2002, pp 158-174

*Tsunami Magnitudes in Taiwan, Philippines, and Indonesia*, by T. Hatori, Zisin, Japan, Vol. 47, 1994, pp 155-162

*Tsunami Risk Analysis for China*, By Quinghai Zhou and W.M. Adams, Natural Hazards, Vol. 1, No. 2, 1988, pp 181-195

*Tsunami Threat on the Mexican West Coast: A Historical Analysis and Recommendations for Hazard Mitigation*, by Salvador F. Farreras and Antonio J. Sanchez, Natural Hazards, Vol. 4, Nos. 2 & 3, 1991, pp 301-316

*Tsunamigenic Earthquakes in China, 1831 BC to 1980 AD*, by Q. Zhou and W.M. Adams, Science of Tsunami Hazards, Vol. 4, No. 3, 1986, pp 131-148

*Tsunamigenic Zones in the Mediterranean Sea*, by S.L. Soloviev, Natural Hazards, Vol. 3, 1990, pp 183-202

*Tsunamis Affecting Alaska, 1737-1996*, by James F. Lander, NGDC Key Geophys. Res., Doc. 31, Natl. Geophys. Data Center, NOAA, Boulder, CO, 1996, 195 pp, 55 illustrations, 15 tables, and 42 marigrams

Commerce, NOAA, National Environmental Satellite, Data, and Information Service, National Geophysical Data Center (NGDC), Boulder, CO, NGDC Key to

Geophysical Records Documentation No. 29, Dec. 1993, 242 pp text, 36 illustrations, 12 tables, and 130 marigrams

*Tsunamis and Seiches of Southeast Asia*, by Wm. H. Berninghausen, Bull. Seism. Soc. Amer., Vol. 59, No. 1, Feb. 1969, pp 289-297

*Tsunamis and Seismic Seiches Reported from Regions Adjacent to the Indian Ocean*, by William H. Berninghausen, Bull. Seismological Soc. Amer., Vol. 56, No. 1, Feb. 1966, pp 69-74

*Tsunamis and Seismic Seiches Reported from the Eastern Atlantic Ocean South of the Bay of Biscay*, by Wm. H. Berninghausen, Bull. Seism. Soc. Amer., Vol. 54, No. 1, Feb. 1964, pp 439-442

*Tsunamis and Seismic Seiches Reported from the Western North and South Atlantic and the Coastal Waters of Northwestern Europe*, by Wm. H. Berninghausen, U.S. Naval Oceanographic Office, Washington D.C., Informal Report, Sept. 1968, 48 pp

*Tsunamis in Central America*, by Mario Fernandez Acre, Enrique Molina, Jens Havskov, and Kuvvet Atakan, In *Tsunami Observations, Modelling and Hazard Reduction*, Birmingham, July 1999, International Tsunami Symposium, IUGG XXII General Assembly: Abstracts, p. B.129

*Tsunamis in Fiji*, by I.B. Everingham, Ministry of Lands, Energy & Mineral Resources, Mineral Resources Dept., Suva, Fiji, Report 62, March 1987, ISSN 0250-7234; Second Printing, Aug. 1988, 27 pp

*Tsunamis in Papua New Guinea*, by I.B. Everingham, Science in New Guinea, Vol. 4, No. 1, 1976, pp 10-20

*Tsunamis in Peru-Chile*, by Patricia A. Lockridge, NOAA, World Data Center A, Boulder, CO, Rept. SE-39, July 1985, 97 pp

*Tsunamis in the Adriatic*, by M. Zore-Armanda, Pomorski zbornik, Vol. 26, 1988, pp 657-558 (in Serbo-croatian, with English abstract)

*Tsunamis in the Mediterranean Sea: 2000 B.C. - 2000 A.D.*, by Sergey L. Soloviev, Olga N. Solovieva, Chan N. Go, Khen S. Kim and Nikolay A. Shchetnikov; translation from Russian to English by Gil B. Pontecorvo and Vasily I. Tropin; Kluwer Academic Publishers, Dordrecht, The Netherlands, 2000, 237 pp (about 300 descriptions)

*Tsunamis in Venezuela: Some Observations on their Occurrence*, by C. Schubert, Jour. of Coastal Research, Special Issue No. 12, 1994, pp 189-195

*Tsunamis Observed in Greece and the Surrounding Area from Antiquity up to the Present Times*, by G.A. Papadopoulos and B.J. Chalkis, Marine Geology, Vol. 56, 1984, pp 309-317

*Tsunamis Observed on the Coast of Greece from Antiquity to Present Times*, by A.G. Galanopoulos, Ann. Geofisica, Vol. 13, No. 3-4, 1960, pp 371-386

*Tsunamis on the Coastlines of India*, by T.S. Murty and A. Bapat, Science of Tsunami Hazards, Vol. 17, No. 3, 1999, pp 167-172

*Tsunamis Reported from the West Coast of South America, 1562-1960*, by Wm. H. Berninghausen, Bull. Map of the Hilo Area, Hawaii: Inundation Area, Chilean Tsunami of 23 May 1960, scale 1 inch = 400 ft., in envelope at back of report: Analysis of Structural Damage from the 1960 Tsunami at Hilo,

Seismological Soc. Amer., Vol. 52, no. 4, Oct. 1962, pp 915-921

*Two Decades of Global Tsunamis: 1982-2002*, by James F. Lander, Lowell S. Whiteside, and Patricia A. Lockridge, Science of Tsunami Hazards, Vol. 21, No. 1, 2003, pp 3-88

*The Unified European Catalogue of Tsunamis: A GITEC Experience*, by S. Tinti, M.A. Baptista, C.B. Harbitz, and A. Maramai, Proc. Int. Conf. Tsunamis: Paris, France, 26-28 May 1998, 1999, pp 84-99

*United States Tsunamis (Including United States Possessions), 1690-1988*, by James F. Lander and Patricia A. Lockridge, NOAA, National Geophys. Data Center, Boulder, CO, Publication No. 41-2, Aug. 1989, 265 pp text, 66 illustrations, and 11 tables

*World Wide Tsunami Historical Data Base*, National Geophysical Data Center, NOAA, Boulder, CO  
<http://www.ngdc.noaa.gov/seg/hazard/tsunamintro.shtml>

#### Collections

*Indian Ocean (Sumatra) Tsunami of 26 December 2004: Newspaper Articles (175), 27 December 2004 - 11 February 2005*; collected by R.L. Wiegel, in Water Resources Center Archives, University of California, Berkeley, CA 94720-1718

#### Journals and Newsletters

*Science of Tsunami Hazards*, Journal of the Tsunami Society, Honolulu, Hawaii; began in 1983

*TsuInfo Alert Newsletter*, U.S. National Tsunami Hazards Mitigation Program, bi-monthly newsletter, Back issues are online at  
<http://www.wa.gov/dnr/htdocs/ger/tsuinfo/index.html>

*Tsunami Newsletter*, International Tsunami Information Center (ITIC)/ Intergovernmental Oceanographic Commission (IOC) - UNESCO, Honolulu, Hawaii; began in 1968

#### Maps

*Contribution to the IDNDR: Tsunami Flooding Maps*, by E.N. Bernard, In *Tsunami Observations Modelling and Hazard Reduction*, Birmingham, July 1999, XXII General Assembly: Abstracts, 1999, p. B.126  
<http://www.iugg.org/assemblies/1999birmingham/1999abstracts.pdf>

*Crescent City, California: Inundation from March 1964 Tsunami*, U.S. Army Corps of Engineers, San Francisco District, date of map probably August 1965, 27"x40" (in UCB Water Resources Center Archives); greatly reduced size, Fig. 7 of Magoon (1965, p. 66)

*Inundation Maps for the State of California*, by Richard K. Eisner, Jose C. Borrero, and Costas E. Synolakis, In Proc. U.S. National Tsunami Hazard Mitigation Program Review and International Tsunami Symposium (sic, 20th), Seattle, Washington, 7-10 August 2001, NTHMP Review Session, Paper R-4, 2001, pp 67-81 (3 sample maps; San Francisco Ocean Beach, Santa Barbara, Marina del Rey). On a CD, NOAA, PMEL, Seattle, WA, and on website  
<http://www.pmel.noaa.gov/its2001/>

Hawaii, by Hudson Matlock, Lymon D. Reese, and Robert B. Matlock, Structural Mechanics Lab., Univ. Texas, Austin, TX, March 1962, 95 pp



*Map Showing Areas of Potential Inundation by Tsunamis in the San Francisco Bay Region*, by John R. Ritter and William R. Dupre, U.S. Geological Survey (USGS) and U.S. Dept. Housing and Urban Development, Misc. Field Studies Map MF-480, 1972, 2 sheets

*Pacific Tsunami Warning System, Showing Locations of Wave Reporting and Seismic Stations*, pp 298-299, of General Outline of the ITSU Master Plan for the Tsunami Warning System in the Pacific, by G.C. Dohler, in *Natural Hazards*, Vol. 1, No. 3, 1988, pp 295-302

*Potential Tsunami Flooding: Crescent City, CA, and Humboldt Bay, CA*, two large maps produced in Nov. 1993. In envelope at end of the report: *Tsunami Inundation Model Study of Eureka and Crescent City, California*, by E. Bernard, C. Mader, G. Curtis, and K. Satake, NOAA Tech. Memo. ERL PMEL-103, Nov. 1994, 80 pp and two large maps

*Run-ups in the Hawaiian Islands*, by Nancy Hulbirt (illustrations) and Daniel A. Walker (data compilation), *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, pp 7-11

*Summary Map of Tsunami Source Area*, by J. Kellehar, presented at the workshop, and reproduced in comments by H. Kanamori "Characteristics of Ground Motion," In *Tsunamis: Proceedings of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 10-12

*Tsunami Hazard Map of the Southern Washington Coast; Modeled Tsunami Inundation from a Cascadia Subduction Zone Earthquake*, by T.J. Walsh, C.G. Caruthers, A.C. Heinitz, E.P. Myers, III, A.M. Baptista, G.B. Erdakos, and R.A. Kamphaus, Washington Division of Geology and Earth Resources Geologic Map GM-49, 2000, scale 1:100,000

*Tsunami Hazard Mapping of Alaska Coastal Communities*, by E.N. Suleimani, R. A. Combellick, R.A. Hanson, and G.A. Carver, *Alaska GeoSurvey News*, Vol. 6, No. 2, June 2002, pp 1-5  
<http://www.dggs.dnr.state.ak.us>

*Tsunami Hazard Maps of the Kodiak Area, Alaska*, by E.N. Suleimani, R.A. Hansen, R.A. Combellick, G.A. Carver, R.A. Kamphaus, J.C. Newman, and A. J. Venturato, Alaska Division of Geological & Geophysical Surveys, Fairbanks, AK, RI 2002-1, 2000, 16 pp, 4 sheets, scale 1:12,500

*Tsunami Maps Developed for Esmeraldas, Ecuador*, by Patricia Arreaga Vargas, *Tsunami Newsletter*, Vol. 35, No. 2, April 2003, pp 1 and 8

*Tsunamis in the Pacific Basin, 1900-1983*, Map prepared by Patricia A. Lockridge and Ronald H. Smith, National Geophysical Data Center and World Data Center A for Solid Earth Geophysics, Office for International Development, in cooperation with Circum-Pacific Council for Energy and Mineral Resources, Map Project, 1984; scale 1:17,000,000, 1 sheet (40" x 60")

#### Organizations

*Alaska Division of Homeland Security and Emergency Management*, Fort Richardson, Alaska 99505-5750  
<http://www.ak-prepared.com/>

*ITSU, International Co-ordination Group for the Tsunami Warning System in the Pacific*

*International Union of Geodesy and Geophysics*,

*Alaska Tsunami Warning Center (ATWC)*, Palmer, Alaska. Became West Coast/Alaska Tsunami Warning Center (WC/ATWC) effective 1 January 1997. See West Coast/Alaska Tsunami Warning Center (WC/ATWC)

*California Governor's Office of Emergency Services (OES)*, California  
<http://www.oes.ca.gov>

*California State Seismic Safety Commission; Tsunami Safety Committee*

*Disaster Control Research Center*, Tohoku University, Japan. Includes Tsunami Engineering Laboratory (TEL)  
[http://www.dcrc.tohoku.ac.jp/index\\_e.html](http://www.dcrc.tohoku.ac.jp/index_e.html)

*Earthquake Engineering Research Institute (EERI)*, Oakland, California  
<http://www.eeri.org/>

*Earthquake Research Institute (ERI)*, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-0032, Japan  
<http://www.eri.u-tokyo.ac.jp/>

*Federal Emergency Management Administration (FEMA)*, U.S. Dept. of Homeland Security, Washington, D.C.  
<http://www.fema.gov/areyouready/tsunamis.shtm>

*Hawaii Institute of Geophysics & Planetology (HIGP)*, Univ. Hawaii, Honolulu, HI; formerly Hawaii Institute of Geophysics, (HIG)  
<http://www.pgd.hawaii.edu>

*Hawaii, State of Hawaii Civil Defense Division*, Honolulu, HI  
<http://www.scd.state.hi.us/>

*IAPSO/IASPEI/IAVCEI Joint Tsunami Commission*, established at the 12th General Assembly of IUGG in Helsinki, Finland in 1960, now jointly sponsored by IASPEI, IAPSO, and IAVCEI. As of June 2005, they have sponsored 22 Tsunami Symposia, both as part of IUGG General Assemblies and independently in alternate years  
<http://www.iaspei.org/commissions/JCT.html>

*ICG/ITSU*, International Coordination Group for the Tsunami Warning System in the Pacific, ICG/ITSU, UNESCO

*Intergovernmental Oceanographic Commission (IOC)*, UNESCO, Paris  
<http://ioc.unesco.org/iocweb/index.php>

*International Coordination Group for the Tsunami Warning System in the Pacific*, ICG/ITSU, UNESCO, established in 1968 as a subsidiary body of the Intergovernmental Oceanographic Commission (IOC) of UNESCO; ITSU web site, and general information site  
<http://ioc.unesco.org/itsu/>  
[http://www.prh.noaa.gov/itic/more\\_about/itsu/itsu.htm](http://www.prh.noaa.gov/itic/more_about/itsu/itsu.htm)

*International Society of Offshore and Polar Engineers (ISOPE)*, P.O. Box 189, Cupertino, CA, 95015-0189; Tel. 1-650-254-1871; Email: [info@isope.org](mailto:info@isope.org)

*International Tsunami Information Center (ITIC)*, Intergovernmental Oceanographic Commission (IOC), UNESCO, (ITSU). 737 Bishop Street, Suite 2200, Honolulu, HI 96813  
ITIC E-mail: [itic.tsunami@noaa.gov](mailto:itic.tsunami@noaa.gov).  
Website: <http://www.prh.noaa.gov/itic/>  
(IUGG)  
<http://www.iugg.org/>

*IUGG Tsunami Commission*, International Union of

Geodesy and Geophysics (IUGG), Paris, France

Joint Institute for Marine and Atmospheric Research (JIMAR), Univ. Hawaii, Honolulu, HI  
<http://ilikai.soest.hawaii.edu/JIMAR/>

National Geophysical Data Center (NGDC), National Oceanic and Atmospheric Administration (NOAA), Boulder, CO; Home Page  
<http://www.ngdc.noaa.gov/>

National Geophysical Data Center and World Data Center A for Solid Earth Geophysics, NOAA, Boulder, CO

National Geographic Data Center, Tsunami Event Database, NOAA  
[http://www.ngdc.noaa.gov/seg/hazard/tsevsrch\\_idb.shtml](http://www.ngdc.noaa.gov/seg/hazard/tsevsrch_idb.shtml)

National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA)  
<http://www.nos.noaa.gov/>

National Ocean Survey, U.S. Reorganized, as National Ocean Service in 1984

National Tsunami Hazard Mitigation Program (NTHMP), NOAA, USGS, FEMA, NSF, Alaska, California, Hawaii, Oregon, and Washington  
<http://www.pmel.noaa.gov/tsunami-hazard>

Network for Earthquake Engineering Simulation (NEES), the Tsunami Wave Basin is at Oregon State University, Corvallis, OR, website  
[http://wave.oregonstate.edu/Facilities/Equipment/Tsunami\\_Wave\\_Basin/](http://wave.oregonstate.edu/Facilities/Equipment/Tsunami_Wave_Basin/)

Oregon Emergency Management, State of Oregon  
<http://egov.oregon.gov/OOHS/OEM/>

Pacific Disaster Center, Kihei, Maui, Hawaii  
<http://www.pdc.org/>

Pacific Marine Environmental Laboratory (PMEL), NOAA, Seattle, Washington, U.S. Dept. Commerce  
<http://www.pmel.noaa.gov/tsunami/>

Pacific Tsunami Museum, Hilo, Hawaii, HI 96721, 130 Kamehameha Avenue; [tsunami@tsunami.org](mailto:tsunami@tsunami.org)  
<http://www.tsunami.org>

Pacific Tsunami Warning Center (PTWC), Ewa Beach, Oahu, Hawaii. The building is now (2005) named the Richard H. Hagemeyer Pacific Tsunami Warning Center  
<http://www.prh.noaa.gov/ptwc/>

Pacific Tsunami Warning System. Also known as Tsunami Warning System in the Pacific. Co-ordination group is ITSU. For information, see website  
<http://www.pmel.noaa.gov/tsunami-hazard/tsubropacific.pdf>

Red Cross Tsunami Site  
<http://www.redcross.org/disaster/safety/guide/tsunami.html>

Since its establishment at the 12th IUGG General Assembly in Helsinki, Finland, in 1960, through 2005, the IUGG Tsunami Commission has held 22 International Tsunami Symposia as part of an IUGG General Assembly, or independently in alternate years. The 1st was in conjunction with the Tenth Pacific Science Congress, Honolulu, Hawaii, Aug.-Sept. 1961. The 2nd international tsunami symposium was a session in the XIII General Assembly of the IUGG, Univ. of Calif., Berkeley, CA, August 1963; on 29 Aug., joint session IAPO and IASPEI, 9 abstracts

Research Center for Disaster Reduction Systems (RCDRS), Kyoto, Japan  
<http://www.drs.dpri.kyoto-u.ac.jp/html>

Seismic Sea Wave Warning System (1946-1948), now Pacific Tsunami Warning System (ITSU)

Tsunami: Event Database, NOAA, Boulder, CO  
[http://www.ngdc.noaa.gov/seg/hazard/tsevsrch\\_idb.shtml](http://www.ngdc.noaa.gov/seg/hazard/tsevsrch_idb.shtml)

Tsunami Laboratory, Institute of Mathematics and Mathematical Geophysics, Siberian Division Russian Academy of Sciences, Novosibirsk, Russia. Email: [gvk@omzg.sccc.ru](mailto:gvk@omzg.sccc.ru)  
[http://tsun.sccc.ru/tsun\\_hp.htm](http://tsun.sccc.ru/tsun_hp.htm)

Tsunami Research Center, University of Southern California, Los Angeles, CA; established in 1995  
<http://www.usc.edu/dept/tsunami/>

Tsunami Society, Honolulu, Hawaii, organized in 1982  
<http://www.sthjournal.org/soc.htm>

Tsunami Warning System in the Pacific (TWSP). Also called Pacific Tsunami Warning System (PTWS)  
<http://www.prh.noaa.gov/ptwc/>

Tsunami Wave Basin, Oregon State University, Corvallis, Oregon; part of the George E. Brown Network for Earthquake Engineering Simulation (NEES)  
[http://wave.oregonstate.edu/Facilities/Equipment/Tsunami\\_Wave\\_Basin/](http://wave.oregonstate.edu/Facilities/Equipment/Tsunami_Wave_Basin/)

U.S. Army Engineer Research and Development Center, (formerly Waterways Experiment Station), U.S. Army Corps of Engineers, Vicksburg, MS  
<http://chl.wes.army.mil/library/publications/cetn>

U.S. Geological Survey, Earthquake Hazards Program; Tsunamiis  
<http://earthquake.usgs.gov/bytopic/tsunami.html>

University of Tokyo, Earthquake Research Institute (ERI), Japan; see Earthquake Research Institute, Univ. Tokyo

University of Washington, Tsunami, Seattle, WA  
<http://www.geophys.washington.edu/tsunami/general/mitigation/mitigation.html>

Washington Military Department, Washington State Emergency Management Division, Olympia, Washington  
<http://emd.wa.gov/>

West Coast/Alaska Tsunami Warning Center (WC/ATWC), NOAA, National Weather Service, Palmer, Alaska. It was Alaska Tsunami Warning Center (ATWC) until 1 January 1997  
<http://wcatwc.arh.noaa.gov/>

Western States Seismic Policy Council, Palo Alto, CA  
[www.wsspc.org](http://www.wsspc.org)  
[www.wsspc.org/tsunami](http://www.wsspc.org/tsunami)

#### Proceedings, Symposia, and Workshops

in *Abstracts of Papers*, Vol. VI, Aug. 1963, Inter. Assoc. of Physical Oceanography, pp VI-39 - VI-48. A list of the symposia is below; 1961 through 1993 are from the list by Bernard (1995, p. xi); 1997 through 2005 were provided by Linda Sjorgren of the National Weather Service, NOAA, Honolulu, HI. [Note: There was a symposium on tsunami and storm surges, sponsored by the IUGG, at the 11th Pacific Science Congress in Tokyo, Japan, 25-26 August 1966, chaired by Ryutaro Takahasi; it is not on the list below.] Proceedings (or partial proceedings) of most of the

symposia have been published; various publishers.

1. 1961 Honolulu, Hawaii, D.C. Cox, editor
  2. 1963 Berkeley, California
  3. 1966 Berne, Switzerland
  4. 1969 Honolulu, Hawaii, W.M. Adams, ed.
  5. 1971 Moscow, U.S.S.R., S.L. Soloviev, ed.
  6. 1974 Wellington, New Zealand, R.L. Heath and M.M. Cresswell, eds.
  7. 1975 Grenoble, France
  8. 1977 Ensenada, Mexico, T.S. Murty, ed.
  9. 1979 Canberra, Australia, R.D. Braddock, ed.
  10. 1981 Sendai, Japan, K. Iida and T. Iwasaki, eds.
  11. 1983 Hamburg, Germany, E.N. Bernard, ed.
  12. 1985 Victoria, Canada, T.S. Murty and W.J. Rapatz, eds.
  13. 1987 Vancouver, Canada, E.N. Bernard, ed.
  14. 1989 Novosibirsk, U.S.S.R., V.K., Gusiakov (proceedings [Extended Abstracts], ed.), and E.N., Bernard (book ed.)
  15. 1991 Vienna, Austria, S. Tinti, ed.
  16. 1993 Wakayama, Japan, Y. Tsuchiya and N. Shuto, eds.
  17. 1995 Boulder, Colorado, G. Hebenstreit, ed.
  18. 1997 Melbourne, Australia
  19. 1999 Birmingham, England, abstracts on IUGG website; some papers in book, G. Hebenstreit, ed.
  20. 2001 Seattle, Washington, papers or abstracts on website, and a CD
  21. 2003 Sapporo, Japan, abstracts on website; 20 paper proceedings, ed. K. Satake
  22. 2005 Chania, Crete, Greece
- [www.gein.noa.gr/English/tsunamis.htm](http://www.gein.noa.gr/English/tsunamis.htm)

Other tsunami symposia and conferences have been held; for example, the *First Tsunami Symposium, Honolulu, HI, 1999*. There have been international tsunami workshops, and other tsunami and related subject workshops and conferences. Proceedings of many are listed below.

*Eighteenth International Tsunami Symposium, Melbourne, Australia, 1-9 July 1997*, in conjunction with the IAMAS-IAPSO Joint Assembly (**18th IUGG international tsunami symposium**)

*First Tsunami Symposium, Honolulu, Hawaii, 1999*, (also listed herein as *Tsunami Symposium 1999, Honolulu, HI, May 25-27, 1999*); papers published in *Science of Tsunami Hazards*, Vol. 17, Nos. 1, 2, and 3, 1999, pp 3-209

*International Journal of the Tsunami Society: Science of Tsunami Hazards*, now published electronically in PDF format, back issues/current issues  
<http://epubs.lanl.gov/tsunami>  
<http://www.sthjournals.org>

*International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers, International Tsunami Symposium and International Workshop on Technical Aspects of Tsunami Warning Systems, Tsunami Analysis, Preparedness, Observation and Instrumentation, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, 1989*, 76 abstracts, 135 pp. Note: for published papers, see *Tsunami Hazard, Special Issue*, ed. E.N. Bernard, *Natural Hazards*, Vol. 4, Nos. 2&3, 1991, pp 113-326; for Extended Abstracts of 47 *Natural Hazards and Research Needs in Coastal and Ocean Engineering: Summary and Recommendations to the National Science Foundation and the Office of Naval Research*, by the Ad Hoc Committee for the Civil and Environmental Engineering Division, National Science Foundation, eds. John H. Nath and Robert G. Dean. Workshop held on 14-15 Feb. 1984 at

*papers see Tsunamis: Their Science and Hazard Mitigation, Proc. International Tsunami Symposium, 1989, Novosibirsk, USSR, ed. V.K. Gusiakov, 1990, 297 pp. (14th IUGG international tsunami symposium)*

*International Tsunami Symposium 2001, and U.S. National Tsunami Hazard Mitigation Program Review, Univ. Washington, Seattle, Washington, August 7-10, 2001, (20th IUGG international tsunami symposium)*; papers, or abstracts, on a CD, 960 pp; also available through the Internet at <http://www.pmel.noaa.gov/its2001/>

*International Workshop: Tsunamis in the South Pacific - Research Towards Preparedness and Mitigation, 25-27 Sept. 2003, Wellington, New Zealand*. List of oral presentations and poster presentations in *Tsunami Newsletter*, Vol. 35, No. 4, August 2003, p. 11; this refers to website <http://www.naturalhazards.net.nz/tsunami>

*ITSU Sessions*, by Anon., list of dates and locations of twenty meetings, from Meeting I, on 25-28 March 1968, in Honolulu, HI, USA, through Meeting XX, on 3-7 Oct. 2005, in Valparaiso, Chile, by Anon., *Tsunami Newsletter*, Vol. 36, No. 4 (not dated, but received in April 2005)

*ITSU XIX National Reports. Submitted for the XIXth Session of the ICG/ITSU, Wellington, New Zealand, 29 Sept. - 3 Oct. 2003*, by different authors for each country, *Tsunami Newsletter*, Vol. 36, No. 4, (not dated; received in April 2005), pp 1-52

*IUGG XIII General Assembly, Berkeley, CA, August 1963: Abstracts of Papers, Vol. VI, International Association of Physical Oceanography, Symposium on Tsunamis*, pp VI-39 - VI-48, 1963 (**2nd IUGG international tsunami symposium**)

*IUGG XXII General Assembly, Birmingham, England, July 1999: Tsunami Observations, Modelling and Hazard Reduction (IASPEI, IAPSO, IAVCEI, IUGG Tsunami Commission), International Symposium, 29-30 July 1999, Abstracts, (58 abstracts) (19th IUGG international tsunami symposium)*  
<http://www.iugg.org/assemblies/1999birmingham/1999abstracts.pdf>

*Landslide Tsunamis: Recent Findings and Research Directions*, eds. Jean-Pierre Bardet, Costas E. Synolakis, Hugh L. Davies, Fumihiko Imamura, and Emile A. Okal, Special Issue of Pure and Applied Geophysics, Vol. 160, Nos. 10-11, 2003, pp 1,793-2,221

*Landslides and Tsunamis*, eds. Barbara H. Keating, Christopher F. Waythomas, and Alastair G. Dawson; Birkhauser, Basel, Switzerland, Pure and Applied Geophysics (PAGEOPH) Topical Volume, Vol. 157, 2000, pp 871-1,313

*Natural and Man-Made Coastal Hazards, International Conference, August 15-20, 1988: Proceedings, Ensenada, Baja California, Mexico and San Diego, CA, U.S.A.*, eds. Salvador F. Farreras and George Pararas-Carayannis, printed by support of National Council on Science and Technology (CONACYT) of Mexico, 1989, 250 pp (tsunamis, pp 127-177)

Oregon State University, Corvallis, OR. Printed Nov. 1984, 62 pp

*Perspectives on Tsunami Hazard Reduction: Observations, Theory, and Planning*, 13 of the papers presented at the Seventeenth IUGG International Tsunami Symposium, July 3-4, 1995, Boulder, CO,

during the XXII IUGG General Assembly, ed. Gerald Hebenstreit, Kluwer Academic Pub., Dordrecht, The Netherlands, 1997, 218 pp (**17th IUGG international tsunami symposium**)

*Proceedings: International Tsunami Symposium, IUGG, 6-9 August 1985, Sidney, B.C., Canada*, eds. T.S. Murty and W.J. Rapatz, at the Institute of Ocean Sciences (**12th IUGG international tsunami symposium**)

*Proceedings: International Tsunami Symposium, IUGG, 18-19 Aug. 1987, Vancouver, B.C., Canada*, eds. E.N. Bernard and R.L. Whitney, NOAA, Pacific Marine Environmental Laboratory, Seattle, WA, 1987 (**13th IUGG international tsunami symposium**)

*Proceedings of IUGG Tsunami Symposium, Canberra, Australia, 1979*, (**9th IUGG international tsunami symposium**)

*Proceedings of the International Workshop on Tsunami Mitigation and Risk Assessment, Petropavlovsk-Kamchatskiy, Russia, Aug. 21-24, 1996*, <http://omzg.sssc.ru/tsulab/content.html>

*Proceedings of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (held at University of California, Berkeley, CA, January 17-19, 1995), compiled by Charles E. Smith, Robert G. Bea, and Tatsuo Uwabe; printed at end of conference at the University of California, Berkeley, CA (note: contact Professor Robert G. Bea, Dept. Civil & Environmental Engrg., UCB), 1995, 467 pp

*Proceedings of the 3rd UJNR Tsunami Workshop, Osaka, Japan, 1994*, eds. Shigenobu Tanaka and Kenji Noguchi, PWRI Technical Memorandum No. 3315, Tsukuba, Japan, 1994

*Proceedings of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, August-September 1961*, ed. Doak C. Cox, International Union of Geodesy and Geophysics, (IUGG), Paris, IUGG Monograph No. 24, July 1963, 265 pp (**1st IUGG international tsunami symposium**)

*Proceedings: Tsunami Symposium, Hamburg, Federal Republic of Germany, August 1983*, ed. E.N. Bernard, Pacific Marine Environmental Laboratory, Seattle, WA, NOAA, U.S. Government Printing Office, 1984, (16 papers, 8 abstracts; 24 papers presented at meeting), 273 pp (**11th IUGG international tsunami symposium**)

*Report of the International Tsunami Measurements Workshop, Estes Park, Colorado, USA, June 28-29, 1995*, Co-conveners James F. Lander and Harry Yeh, National Science Foundation Project CMS-9501539 Workshop on Tsunami Measurements, 1995, 102 pp, xerox copies, NOAA, Boulder, CO <http://www.ngdc.noaa.gov/seg/segd/html> (select "activities" and look for "hazards" section)

*Science of Tsunami Hazards, Journal of the Tsunami Society*. Now available at its website <http://www.sthjourn.org/>  
*Tsunami Hazard, Special Issue*, ed. E.N. Bernard, 12 selected papers from Fourteenth International Tsunami Symposium, Novosibirsk, USSR, 31 July-3 August 1989, Tsunami 89 Conference, sponsored by IUGG, special issue of Natural Hazards, Vol. 4, Nos. 2&3, 1991, pp 113-326 (**14th IUGG international tsunami symposium**). These are only a few of the 76 papers presented; extended abstracts of 47 are in *Tsunamis: Their Science and Hazard Mitigation, Proceedings of the International Tsunami Symposium, July 31-Aug. 3, 1989, Novosibirsk, USSR*, ed. V.K.

*Second Tsunami Symposium, May 28-31, 2002, Honolulu, Hawaii, East-West Center, Univ. Hawaii, Honolulu*, (notice in Tsunami Newsletter, Vol. 34, No. 3, June 2002, p. 5); program and abstracts at <http://www.sthjourn.org>  
Several papers published in *Science of Tsunami Hazards*, Vol. 20, No. 1, 2002, pp 3-49

*2nd UJNR Tsunami Workshop, Honolulu, HI, 5-6 Nov. 1990: Proceedings*, eds. A.M. Brennan and J.F. Lander, NGDC Key to Geophysical Records Documentation No. 24, NOAA, National Geophysical Data Center, Boulder, CO, U.S. Gov't. Printing Office, Wash. D.C., March 1991, 260 pp

*Seismogenic and Tsunamigenic Processes in Shallow Subduction Zones*, eds. Jeanne Sauber and Renata Dmowska, Birkhauser, Basel, Switzerland, Pure and Applied Geophysics, Special Issue, Vol. 154, Nos. 3-4, 1999

*Seventh IUGG International Tsunami Symposium, Grenoble, France, 29 August 1975*, under auspices of IAPSO. List of papers in Tsunami Newsletter, Vol. 8, No. 3, Sept. 1975, pp 11-12; abstracts of eight papers are in Tsunami Newsletter, Vol. 8, No. 2, May 1975, pp 4-7. Were Proceedings published? (**7th IUGG international tsunami symposium**)

*Submarine-slump-generated Tsunamis: A Selection of Papers Presented at a "Workshop on the Prediction of Underwater Landslide & Slump Occurrence and Tsunami Hazards off Southern California: Held March 10-11, 2000 at the University of Southern California*, ed. David Tappin, Marine Geology, Vol. 203, 2004, pp 199-383

*Symposium on Long Waves in the Ocean, National Research Council, Ottawa, Canada, June 6-8, 1978*, Dept. of Fisheries and the Environment, Ottawa, Canada, Manuscript Report Series No. 53, 1979, 229 pp

*Symposium on Tsunami and Storm Surges, August 25-26, 1966, 11th Pacific Science Congress, Tokyo, Japan: Proceedings*, ed. Ryutaro Takahasi, Committee for the PSC Tsunami and Storm Surges Symposium, Tokyo, March 1967, 74 pp (many only abstracts)

*Symposium on Tsunamis, Ensenada, Baja California, Mexico, March 23-26, 1977: Proceedings*, ed. T.S. Murty, printed by Dept. Fisheries and the Environment, Manuscript Report Series No. 48, Ottawa, Ontario, Canada, 1978, 285 pp (**8th IUGG international tsunami symposium**)

*Tsunami Education Planning Workshop Findings and Recommendations*, ed. J.W. Good, NOAA, Pacific Marine Environmental Laboratory (PMEL), Seattle, WA, NOAA Tech. Memo. No. ERL PMEL-106, 1995

*Tsunami Hazard Mitigation Symposium Proceedings, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997*, Western States Seismic Policy Council, Palo Alto, CA, 1998, 78 pp

Gusiakov, 1990, 295 pp

*Tsunami Inundation Modeling Workshop Report, November 16-18, 1993*, eds. E.N. Bernard and F.J. Gonzalez, NOAA, Pacific Marine Environmental Laboratory, Seattle, WA, ERL-PMEL-100, 1994, 139 pp

*Tsunami Observations, Modelling and Hazard Reduction (IASPEI, IAPSO, IAVCEI, IUGG Tsunami Commission), International Tsunami Symposium, Birmingham, 29-20 July 1999: Abstracts*, (**19th IUGG international**

**tsunami symposium**); see IUGG XXII General Assembly

*Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Yoshito Tsuchiya and Nobuo Shuto, (from IUGG/IOC Sixteenth International Tsunami Conference, Wakayama, Japan, 23-27 August 1993; 21 papers published of 78 presentations); Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, 336 pp (**16th IUGG international tsunami symposium**)

*Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit; Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, 282 pp, many are papers from IUGG 99, Birmingham, IUGG XXII General Assembly, Tsunami Observations, Modelling and Hazard Reduction (IASPEI, IAPSO, IAVCEI, IUGG Tsunami Commission), July 1999 (**19th IUGG international tsunami symposium**)

*Tsunami Research Symposium 1974, Wellington, New Zealand, 29 Jan.-1 Feb. 1974*, eds. R.A. Heath and M.M. Cresswell, Royal Society of New Zealand, Bulletin 15, and UNESCO Press, 1976, 258 pp (24 papers and 12 abstracts) (**6th IUGG international tsunami symposium**)

*Tsunami Symposium 1999, Honolulu, HI, May 25-27, 1999*, sponsored by The Tsunami Society, abstracts, and 14 of the papers published (in PDF format) in three issues of the journal *Science of Tsunami Hazards*, Vol. 17, Nos. 1, 2, and 3, 1999, pp 1-206 <http://wwwl.tpgi.com.au/users/tps-seti/tsym.html>

*Tsunami Warning System Workshop, Sept. 14-15, 1994: Report*, National Oceanic and Atmospheric Administration (NOAA), Pacific Marine Environmental Laboratory (PMEL), Seattle, WA, NOAA Tech. Memo. No. ERL PMEL-105, 1994

*Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Vol. 23 of the series *Advances in Natural and Technological Hazards Research*, Springer, New York, 2005, VIII, (20 papers), 343 pp (from the **21st IUGG international tsunami symposium**)

*Tsunamis in the Pacific Ocean*, Proc. of the International Symposium on Tsunamis and Tsunami Research, Univ. of Hawaii, Oct. 7-10, 1969, ed. Wm. Mansfield Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, (33 papers), 513 pp (**4th IUGG international tsunami symposium**)

*Tsunamis in the South-West Pacific -- Research Towards Preparedness and Mitigation*, Wellington, New Zealand, 25-27 Sept. 2003, International Workshop. List of presentations given in Tsunami Newsletter, Vol. 35, No. 4, Aug. 2003, p. 11; it refers to <http://www.naturalhazards.net.nz/tsunami>

*Tsunamis in the World: Fifteenth International Tsunami Symposium, 1991*, ed. Stefano Tinti, tsunami symposium during the XX General Assembly of the IUGG in Vienna, Austria, 19 and 20 August 1991. Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993, 228 pp (**15th IUGG international tsunami symposium**)

*Tsunamis: 1992-1994, Their Generation, Dynamics and Raging Planet; Tidal Wave* (50 min.), produced for the Discovery Channel in 1997, this video shows a Japanese city that builds walls against tsunamis, talks with scientists about tsunami prediction, and has survival stories

*Tsunami B-Roll (Background Information Video)*, (interview footage, 57:25 minutes; tsunami wave footage, approximately 6 minutes), by U.S. National

Hazard, eds. K. Satake and F. Imamura; Birkhauser, Basel, Switzerland, Pure and Applied Geophysics, PAGEOPH Topical Volumes, a Special Issue, Vol. 144, Nos. 3/4, 1995, pp 373-890

*Tsunamis: Proceedings of the National Science Foundation Workshop, May 1979*, eds. Li-San Hwang and Y. Keen Lee, Tetra Tech, Inc., Pasadena, CA, held at Coto de Caza, Trabuco Canyon, CA, 7-9 May 1979, 328 pp

*Tsunamis: Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Proceedings of the International Tsunami Symposium 1981, IUGG Tsunami Commission, 25-28 May 1981, Sendai-Ofunato-Kamaishi, Japan, Terra Scientific Publishing Co., Tokyo, 1983, 563 pp (**10th IUGG international tsunami symposium**)

*Tsunamis: Their Science and Hazard Mitigation, Proceedings of the International Tsunami Symposium, July 31-August 3, 1989, Novosibirsk, USSR*, ed. V.K. Gusiakov, Computing Center, Siberian Division, USSR Academy of Sciences, Novosibirsk, USSR, 47 Extended Abstracts, 1990, 297 pp (**14th IUGG international tsunami symposium**)

*Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO)*, Sapporo, Japan, July 8 and 9, 2003; see Twenty-first International Tsunami Symposium, Sapporo, Japan, below

*Twenty-first International Tsunami Symposium, Sapporo, Japan, July 9-10, 2003*, as part of the IUGG XXIII General Assembly (June 30-July 11, 2003). (**21st IUGG international tsunami symposium**). Program and Abstracts on website; 87 abstracts <http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/main.html>

*22nd International Tsunami Symposium, Chania, Crete, 27-29 June 2005 (22nd IUGG international tsunami symposium)*. Proceedings not published at date of this report; for the program, see <http://www.gein.noa.gr/English/tsunamis.htm>

*U.S. National Tsunami Hazard Mitigation Program Review and International Tsunami Symposium 2001, Seattle, Washington, 7-10 August 2001*, at University of Washington. Listed under International Tsunami Symposium 2001 above. On a CD, 960 pp, and on website (**20th IUGG international tsunami symposium**) <http://www.pmel.noaa.gov/its2001/>

## Videos and Photographs

### Videos

*Disasters Are Preventable* (22 min.), USAID. Ways to reduce losses from various kinds of disasters through preparedness and prevention

*Forum: Earthquakes and Tsunamis* (2 hrs.), CVTV-23, Vancouver, WA (January, 2000). Two lectures: Brian Atwater describes the detective work and sources of information about the January 1700 Cascadia earthquake and tsunami; Walter C. Dudley talks about Hawaiian tsunamis and the development of warning systems

Tsunami Hazard Mitigation Program, via UNESCO/IOC International Tsunami Information Center (ITIC); a collection of interviews, tsunami science, and numerical tsunami propagation animations, and other graphics for use by broadcast media as filler or background footage during a television news presentation or a documentary program; in Beta-SP and DVD format <http://www.tsunamiwave.info>

under Products and Services

*Tsunami: Killer Wave, Born of Fire* (10 min.), NOAA/PMEL. Features tsunami destruction and fires on Okushiri Island, Japan; good graphics, explanations, and safety information. Narrated by Dr. Eddie Bernard (with Japanese subtitles)

*Tsunami: Surviving the Killer Waves* (14 min.), DOGAMI. Two versions; one with breaks inserted for discussion time

*Tsunami Warning Evacuation News Clips and Video Footage*, (11:50 minutes), UNESCO/IOC International Tsunami Information Center, in collaboration with USDOC/NOAA Office of Public Affairs, November 2004; in DVD format  
<http://www.tsunamiwave.info>  
under Products and Services

*Wave That Shook the World* (60 min.), NOVA, Public TV Station WGBH (Boston, MA), first shown on 30 March 2005. Available on DVD. Largely on the Indian Ocean (Sumatra) tsunami of 26 Dec. 2004, with video scenes of tsunami water flow, video and photos of resulting damage, and tsunami generation and propagation animations; interviews. Additional information about tsunamis in general to place the event in context

*Waves of Destruction* (60 min.), WNET Video Distribution. An episode of the "Savage Earth" Series. Tsunamis around the Pacific Rim

#### Photographs

*Analysis of Structural Damage from the 1960 Tsunami at Hilo, Hawaii*, by Hudson Matlock, Lymon C. Reese, and Robert B. Matlock, Univ. Texas, Structural Mechanics Research Lab., Austin, TX, prepared for the U.S. Defense Atomic Support Agency, Washington, D.C., Rept. DASA 1268, March 1962, 95 pp (incl. 50 photos of damage by the tsunami, and 2 large mosaics of vertical aerial photos, one prior to and one after the tsunami)

*Catalog of Tsunami Photographs*, by John B. Nelson, National Geophysical and Solar-Terrestrial Data Center, Key to Geophysical Records Documentation No. 13, Oct. 1980, 52 pp

*The Chilean Tsunami of May 24, 1960, As Observed Along the Coast of Japan*, by Committee for Field Investigation of the Chilean Tsunami of 1960 (Ryutaro Takahasi, Chairman), Maruzen, Co., Tokyo, Dec. 1961, 397 pp (48 photos in the front, and others in several sections)

*Crescent City's Dark Disaster, March 27-28, 1964*, by Wallace Griffin, Crescent City Printing Co., Crescent City, CA, 1964, 66 pp (many photos)

*The Great Sumatra Earthquake and Indian Ocean Tsunami of December 26, 2004*, by Earthquake Engineering Research Institute, Oakland, CA, 53 photos and other illustrations, 2005  
<http://www.eeri.org/>

*The Indian Ocean Tsunami, December 26, 2004: Dr. The Tsunami of April 1, 1946*, by F.P. Shepard, G.A. Macdonald, and D.C. Cox, Bulletin of the Scripps Institution of Oceanography of the University of California, La Jolla, CA, Univ. Calif., Press, 1950, pp 391-528, plates 6-33 (incl. 49 photos)

*The Tsunami of the Alaskan Earthquake, 1964: Engineering Evaluation*, by Basil W. Wilson and A. Torum, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Tech. Memo. No. 25, May

*Borrero's Notes of Aceh Province of Northern Sumatra*, with 57 color photos, by Jose Borrero, Tsunami Research Center, Univ. Southern California, Los Angeles, April 2005  
[http://www.usc.edu/dept/tsunamis/2005/tsunamis/041226\\_indianOcean/sumatra/sumatra.html](http://www.usc.edu/dept/tsunamis/2005/tsunamis/041226_indianOcean/sumatra/sumatra.html)

*Izmit Bay Tsunami Survey, Aug. 22-26, 1999*, field survey by Ahmet Yalciner, Costas Synolakis, Jose Borrero, Martin Eskiçian, and John Freckman, Turkey Earthquake of 17 Aug. 1999, Magnitude 7.4, Univ. Southern Calif., (USC), map, and 17 color photos.  
<http://www.usc.edu/dept/tsunamis/turkey>

*The Japan Sea Central Region Tsunami of May 26, 1983: A Reconnaissance Report*, by Li-San Hwang and Joseph Hammack, National Academy Press, Wash., D.C., 1984, 33 pp (incl. 18 photos)

*The Major Tsunamis of 1992, Nicaragua and Indonesia*, twenty (20) 35 mm slides and 6 pp description, by Harry Yeh; available from U.S. Dept. Commerce, NOAA, National Geophysical Center, Boulder, CO, Product No. 648-A11-002, 1994

*Moro Gulf Tsunami of 17 August 1976*, by Victor L. Badillo and Zinnia C. Astilla, prepared for Special Committee on Tsunami Warning System, National Committee of Marine Sciences, National Science Development Board, Philippines, at Manila Observatory, Quezon City, 1978, 37 pp (incl. 16 photos)

*Photographs of Recent Tsunami Disasters*, (Flores Island, Indonesia, 12 Dec. 1993; Okushiri Island, Japan, 12 July 1993), In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp xx-xxvii

*Phuket Tsunami* (Thailand), Indian Ocean (Sumatra) tsunami runup and drawdown, 26 Dec, 2004; several available, Hellmut Issels Photos  
[http://www.pbbase.com/issels/phuket\\_tsunami](http://www.pbbase.com/issels/phuket_tsunami)

*QuickBird Images of Tsunami Sites*, 29 satellite images of Indian Ocean (Sumatra) tsunami of 26 Dec. 2004; DigitalGlobe  
[http://www.digitalglobe.com/tsunami\\_gallery.html](http://www.digitalglobe.com/tsunami_gallery.html)

*Scenes of Destruction from Hokkaido Tsunami*, by Dennis Sigrist, Science of Tsunami Hazards, Vol. 11, No. 2, 1993, pp 122-124

*The Seismic Sea Wave of 22 May 1960 Along the Chilean Coast*, by H.A. Sievers, G. Villegas C., and G. Barros, Bull. Seis. Soc. Amer., Vol. 53, No. 6, Dec. 1963, pp 1,125-1,190 (many photos)

*Tsunami!*, by Walter C. Dudley and Min Lee, Univ. Hawaii Press, Honolulu, HI, 1988; 2nd Edition, 1998, 362 pp, many photos

*Tsunami Aftermath: Sri Lanka, QuickBird Imagery, December 26-31, 2004*, DigitalGlobe, 11 satellite images, 2005

1968, 443 pp (incl. 75 photos)

## 2) ARTICLES, PAPERS, REPORTS

Abbott, M.B., A.D. McCowan, and J.R. Warren, "Numerical Modelling of Free-surface Flows that are Two-dimensional in Plan," In *Transport Models for Inland and Coastal Waters*, ed. H.B. Fisher, Academic Press, 1981, pp 222-283

- Abe, Katsuyuki, "Tsunami and Mechanism of Great Earthquakes," *Physics of the Earth and Planetary Interiors*, Vol. 7, 1973, pp 143-153
- Abe, K., "Reliable Estimation of the Seismic Moment of Large Earthquakes," *Jour. Physics of the Earth*, Vol. 23, 1975, pp 381-390
- Abe, K., "Determination of the Fault Model Consistent with the Tsunami Generation of the 1964 Niigata Earthquake," *Symposium on Tsunamis: Proceedings, Ensenada, Baja California, Mexico, March 23-26, 1977*, printed by Dept. Fisheries and the Environment, Manuscript Report Series No. 48, 1978, Ottawa, Ontario, Canada, pp 14-17
- Abe, Katsuyuki, "Size of Great Earthquakes of 1873-1974 Inferred from Tsunami Data," *Jour. Geophys. Res.*, Vol. 84, No. B4, April 1979, pp 1,561-1,568
- Abe, Katsuyuki, "Physical Size of Tsunamigenic Earthquakes of the Northwestern Pacific," *Phys. Earth Planet. Inter.*, Vol. 27, 1981, pp 194-205
- Abe, K., and H. Ishi, "Study of Shelf Effects for Tsunami Using Spectral Analysis," In *Abstracts of Symposium Papers: International Tsunami Symposium, IUGG, Japan, 1981*, pp 23-26
- Abe, Katsuyuki, "A New Scale of Tsunami Magnitude, Mt," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 91-101
- Abe, Ka., "Quantification of Major Earthquake Tsunamis of the Japan Sea," *Phys. Earth Planet. Inter.*, Vol. 38, 1985, pp 214-223
- Abe, K., M. Hakuno, M. Takeuchi, and T. Katada, "Survey Report on the Tsunami of the Michoacan, Mexico Earthquake of September 19, 1985," *Bull. Earthquake Research Inst.*, Univ. Tokyo, Japan, Vol. 61, 1986, pp 475-481
- Abe, K., "Tsunami Magnitude and the Quantification of Earthquake Tsunamis Around Japan," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 63, 1988, pp 289-303 (in Japanese, with English abstract)
- Abe, K., "Estimate of Tsunami Heights from Magnitudes of Earthquakes and Tsunami," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 64, 1989, pp 51-69 (in Japanese, with English abstract)
- Abe, Katsuyuki, "Quantification of Tsunamigenic Earthquakes by the Mt Scale," *Tectonophysics*, Vol. 166, 1989, pp 27-34
- Abe, Katsuyuki, "Modeling of the Runup Heights of the Hokkaido-Nansei-Oki Tsunami of 12 July 1993," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 736-745
- Abe, K., "Estimate of Tsunami Heights from Earthquake Magnitudes," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Yoshito and N. Shuto, (Proc. of the IUGG/IOC Abe, Kuniaki, "Observations of Selective Amplification of Tsunamis to Azimuth of the Source," *Science of Tsunami Hazards*, Vol. 20, No. 2, 2002, pp 102-117
- Abernathy, Don, Harry Lommen, and Fred Luecke, *Tidal Wave: Disaster in Alberni and Port Alberni, March 28, 1964. Picture Report*; Lucky Printers & Lithographers, Alberni, British Columbia, Canada, International Tsunami Symposium '93, Wakayama, Japan, Aug. 23-27, 1993), Kluwer Acad. Pub, The Netherlands, 1995, pp 495-507
- Abe, Katsuyuki, "Estimate of Tsunami Run-up Heights from Earthquake Magnitudes," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, (Proc. IUGG/IOC International Symposium '93, Wakayama, Japan, Aug. 23-27, 1993), Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 21-35
- Abe, K., "Tsunami Resonance Curve from Dominant Periods Observed in Bays of Northeastern Japan," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Abe, Ku., and H. Ishi, "Propagation of Tsunami on a Linear Slope Between Two Flat Regions. Part II. Reflection and Transmission," *Jour. Physics Earth.*, Vol. 28, 1980, pp 543-552
- Abe, Kuniaki, and Hiroshi Ishii, "Study of Shelf Effect for Tsunami Using Spectral Analysis," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 161-172
- Abe, Kuniaki, "An Explanation of Characteristic Distribution of the Tsunami Maximum Inundation Heights Observed at the Small Islands," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 153-164
- Abe, Kuniaki, "Detection of Reflected Waves from the Coast near the Source," In *Tsunamis: Their Science and Hazard Mitigation: Proc. of the International Tsunami Symposium*, ed. V.K. Gusiakov, IUGG, 1990, pp 191-195
- Abe, Ku., "Tsunami Spectrum as a Synthesis of Source Spectrum and Shelf Response," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, (Proc. IUGG/IOC International Tsunami Symposium, 1993), Kluwer Acad. Pub., The Netherlands, 1995, pp 151-163
- Abe, Kuniaki, and Masami Okada, "Source Model of Noto-Hanto-Oki Earthquake Tsunami of 7 February 1993," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 622-631
- Abe, Kuniaki, "Source Model of the 1946 Aleutian Tsunami Derived from the Predominant Frequencies," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 71-78
- Abe, Kuniaki, "Global Distributions of Peak Frequency and the Amplitude to the Biggest Three Pacific Tsunamis in this Century," In *Tsunami Observations, Modelling and Hazard Reduction, Birmingham, July 1999, IUGG XXII General Assembly: Abstracts*, (19th IUGG International Tsunami Symposium), p. B.129
- Abe, Kuniaki, "Predominance of Long Periods in Pacific Tsunamis," *Science of Tsunami Hazards*, Vol. 18, No. 1, 2000, pp 15-34
- 1964, 15 pp
- Abouziyarov, Z.K., "Problems of the Tsunami Warning System in the USSR," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 271-282
- Acharya, H.K., "Mindanao Earthquake of August 16, 1976; Preliminary Seismological Assessment," *Bull.*

- Seismological Soc. Amer.*, Vol. 68, No. 5, Oct. 1978, pp 1,459-1,468
- Adams, J., *Great Earthquakes Recorded by Turbidites off the Oregon-Washington Coast*, U.S. Geological Survey Professional Paper 1560, Vol. 1, 1996, pp 147-158
- Adams, J.K., and V.T. Buchwald, "The Generation of Continental Shelf Waves," *Jour. Fluid Mech.*, Vol. 35, Part 4, 10 March 1969, pp 815-826
- Adams, Wm. Mansfield, *Possible Improvement of the Seismic Sea-wave Warning System Indicated by Considering it a Decision-making Process*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HI, HIG-66-9, July 1966, 29 pp
- Adams, Wm. M., "Analysis of a Tsunami Warning System as a Decision-making Process," In *Proc. Symp. Tsunami and Storm Surges*, 11th Pacific Science Congress, Tokyo, 1966: Proceedings, 1967, pp 2-22
- Adams, Wm. Mansfield, *An Index to Tsunami Literature to 1966*, Data Rept. No. 8, HIG 67-21, Hawaii Institute of Geophysics, University of Hawaii, Honolulu, HI, 1967, 29 pp
- Adams, William Mansfield, *Potential Tsunami Inundation Zones for the Islands of Molokai and Lanai, Hawaiian Islands*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HI, HIG-68-15, Aug. 1968, 13 pp and 26 figs.
- Adams, William Mansfield, *Prediction of Tsunami Inundation from Current Real-time Seismic Data*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HI, Rept. HIG-69-9, May 1969, 66 pp
- Adams, William Mansfield, editor, *Tsunamis in the Pacific Ocean: Proceedings of the International Symposium on Tsunamis and Tsunami Research*, Oct. 7-10, 1969, Univ. of Hawaii, Honolulu, HI, East-West Center Press, Univ. of Hawaii, Honolulu, HI, 1970, (33 papers), 513 pp (4th IUGG international tsunami symposium)
- Adams, W.M., "Tsunami Effects and Risk at Kahuku Point, Oahu, Hawaii," *Engineering Geology Case Histories*, Geological Society of America, No. 8, 1970, pp 63-70
- Adams, William Mansfield, "Prediction of Tsunami Inundation from Real-Time Seismic Data," *Marine Tech. Soc. Journal*, Vol. 4, No. 4, 1970, pp 7-26
- Adams, William Mansfield, and A.S. Furumoto, "Features of Tsunamigenic Earthquakes," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 57-68
- Adams, W.M., *Evaluation by Simulation of Proposed Policies for Improving Natural-Hazard Warning Systems*, Cooperative Institute for Research in Environmental Sciences, Boulder, CO, 1971, 125 pp
- Ad Hoc Committee for the Civil and Environmental Engineering Division, National Science Foundation, *Natural Hazards and Research Needs in Coastal and Ocean Engineering. Summary and Recommendations to the National Science Foundation and the Office of Naval Research*, Workshop at Oregon State Univ., Corvallis, OR, 14-15 Feb. 1984, eds. John H. Nath and Robert G. Dean, Nov. 1984, 62 pp (tsunamis, pp 36-38)
- Advisory Committee on the International Decade for Adams, William Mansfield, "The Rarity of the 1 April 1946 Tsunami," *Jour. Phys. Oceanogr.*, Vol. 2, No. 2, April 1972, pp 199-201
- Adams, William Mansfield, "Expected Tsunami Inundation for the Hawaiian Islands," *Marine Tech. Soc. Journal*, Vol. 7, No. 8, Dec. 1973, pp 29-34
- Adams, W.M., "Tsunami Anomalies and Precursory Phenomena Having Potential Value as Predictors," *Fifth World Conf. on Earthquake Engineering*, Rome, Italy, June 1973: Proceedings, 2, 1974, pp 2,754-2,762
- Adams, W.M., "Prediction of a Natural Hazard: Reconciliation of the Political Demand with the Scientific Supply," *Marine Tech. Soc. Jour.*, Vol. 10, No. 2, 1976, pp 25-30
- Adams, W.M., "Relationship of Instruments and Policy in the Hawaii Warning System," In *Symposium on Tsunamis, Ensenada, Baja California, Mexico, 1977: Proceeding*, Dept. Fisheries and the Environment, Ottawa, Canada, Manuscript Rept. Series No. 48, 1978, pp 205-217
- Adams, W.M., "Tectonic Explanation of Some Observed Tsunamicity Patterns," In *Symposium on Long Waves in the Ocean*, National Research Council, Ottawa, Canada, June 6-8, 1978, Dept. Fisheries and the Environment, Ottawa, Manuscript Rept. Series No. 53, Ottawa, 1979, pp 88-93
- Adams, W.M., "Relationship of Instruments and Policy in the Hawaii Warning System," *Marine Geodesy*, Vol. 2, No. 1, 1979, pp 15-26
- Adams, W.M., and C.H. Lewis III, "Numerical Modeling of Tsunami Flooding," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1, No. 1, Oct. 1982, pp F-1 to F-14. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Adams, W.M., and G.D. Curtis, "Design and Development of an Intelligent Digital System for Computer-aided Decision-making During Natural Hazards," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 95-100
- Adams, Wm. Mansfield, "Verification, Calibration and Quality Assurance for Tsunami Models," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 101-111
- Adams, W.M., and N. Nakashizuka, "A Working Vocabulary for Tsunami Study," *Science of Tsunami Hazards*, Vol. 3, No. 1, 1985, pp 45-51
- Adams, Wm. Mansfield, "The Novel Seismic Source Mechanism of the 7 May 1986 Tsunami," *Science of Tsunami Hazards*, Vol. 5, No. 1, 1987, pp 35-48
- Adger, Neil, Terry P. Hughes, Carl Folke, Stephen R. Carpenter, and Johan Rockstrom, "Social-Ecological Resilience to Coastal Disasters," *Science*, Vol. 309, No. 5737, 12 Aug. 2005, pp 1,036-1,040
- Natural Hazard Reduction, *Confronting Natural Disasters. An International Decade for Natural Hazard Reduction*, National Research Council, National Academy Press, Wash. D.C., 1987, 60 pp (tsunamis, pp 36-38)
- Agnew, Duncan Carr, "Tsunami History of San Diego," *Earthquakes and Other Perils, San Diego Region*, San Diego Association of Geologists, 1979, pp 117-138
- Agnew, Duncan Carr, "Detailed Analysis of Tide Gauge



- Data: A Case History," *Marine Geodesy*, Vol. 10, Nos. 3/4, 1986, pp 231-255
- Aida, I., K. Kajiura, T. Hatori, and R. Momoi, "A Tsunami Accompany the Niigata Earthquake of June 16, 1964," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Vol. 42, 1964, No. 4
- Aida, I., T. Hatori, M. Koyama, and K. Kajiura, "A Model Experiment on Long-period Waves Travelling Along a Continental Shelf," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 46, 1968, pp 707-739
- Aida, I., "Numerical Experiments for the Tsunami Propagation - The 1964 Niigata Tsunami and the 1968 Tokachi-Oki Tsunami," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 47, 1969, pp 673-700
- Aida, I., "Numerical Experiments for Tsunamis Caused by Moving Deformations of the Sea Bottom," *Bull. Earthquake Res. Institute*, Univ. Tokyo, Japan, Vol. 47, Part 5, Sept. 1969, pp 849-862
- Aida, I., "Numerical Experiment on Tsunamis Accompanied by Landslide of Bisan, Shimabara, in 1792," *Zishin (Bull. Seismic. Soc. of Japan)*, Vol. 28, 1975, pp 449-460
- Aida, I., "Tsunamis Accompanied by Land Slides," *Kaiyo-kagaku (Monthly Jour. of Marine Sciences)*, Japan, Vol. 9, 1977, pp 103-110
- Aida, I., "Reliability of a Tsunami Source Model Derived from Fault Parameters," *Jour. Phys. Earth.*, Vol. 26, 1978, pp 57-73
- Aida, Isamu, "Numerical Simulation of Historical Tsunamis Generated off the Tokai District in Central Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 277-291
- Aida, I., "A Source Model of the 1983 Nihonkai-Earthquake Tsunami," In *Proc. of the 3rd United States-Japan Cooperative Program in Natural Resources: Tsunami Workshop, 1984*, pp 57-76
- Ainsworth, Diane, "Jolt Could Trigger Coastal Tsunami," Printout from Univ. Southern California (USC) Public Relations Newsroom, Los Angeles, CA, 09/23/04, 3 pp
- Aki, K. "Scaling Law of Seismic Spectrum," *Jour. Geophysical Research*, Vol. 72, 1967, pp 1,212-1,231
- Alami, S.O., and S. Tinti, "A Preliminary Evaluation of the Tsunami Hazards in the Moroccan Coasts," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 39-46
- Alaska Publishing Company, *Great Alaska Earthquake - A Pictorial Review*, Anchorage, Alaska, April 1964, 8-1/2"x11", 46 pp of photos
- Alekseev, A.S. Sometimes spelled this way, rather than Alexeev, A.S.
- Ambraseys, N.N., "Data for the Investigation of the Seismic Sea Waves in the Eastern Mediterranean," *Bull. Seismol. Soc. Amer.*, Vol. 52, No. 4, 1962, pp 895-913
- Ambraseys, N.N., *Data for the Investigation of Seismic Sea-waves in Europe*, Europ. Seism. Comm., Proc. Budapest Meeting, 7-13 Sept. 1964, Seismicity of Europe, Monograph No. 29, European Seismological Commission, IUGG, Paris, France, Nov. 1965, pp 78-81
- Ambraseys, N.N., and C.P. Melville, *A History of*
- Alexander, F., and R. Formichi, "Tectonic Causes of Landslides," *Earth Surface Processes and Landforms*, Vol. 18, 1993, pp 311-338
- Alexeev, A.S., and V.K. Gusiakov, "Numerical Modelling of Tsunami and Seismic Surface Wave Generation by a Submarine Earthquake," In *Tsunami Research Symposium 1974, Wellington, New Zealand*, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO Press, 1976, pp 243-251
- Alexeev, A.S., V.K. Gusiakov, L.B. Chubarov, and Yu. I. Shokin, "Numerical Simulation of Tsunami Generation and Propagation in the Ocean with a Real Bathymetry: Nonlinear Model," *Symposium on Tsunamis: Proceedings, Ensenada, Baja California, Mexico, March 23-26, 1977*, printed by Dept. of Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Report Series No. 48, 1978, pp 37-51
- Alexeev, A.S., V.K. Gusiakov, L.B. Chubarov, and Yu.I. Shokin, "Numerical Simulation of the 1975 Shikotan Tsunami," In *Proceedings: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, PMEL/NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 249-263
- Alfors, John T., John L. Burnett, and Thomas E. Gay, Jr., *Urban Geology, Master Plan for California*, California Division of Mines and Geology Bulletin 198, 1973, 112 pp
- Allmon, Charles, "Shores and Sails in the South Seas," (The Marquesas Islands) *The National Geographic Magazine*, Vol. XCVII, No. 1, Jan. 1950, pp 73-104 (tsunami of 1 April 1946, pp 78, 95, 99)
- Altinok, Y., B. Alpar, S. Ersoy, and A.C. Yalciner, "Tsunami Generation of the Kocaeli Earthquake (August 17th, 1999) in the Izmit Bay; Coastal Observations, Bathymetry and Seismic Data," *Turkish Jour. Marine Sciences*, Vol. 5, No. 3, 1999, pp 131-148
- Altonn, Helen, "Engineers Publish Tsunami Code Study," *Honolulu Star-Bulletin*, Honolulu, HI, 8 Jan. 1977
- Altonn, Helen, and others, "Tsunami's Scare. Tsunami Forces Isles to Brace for the Worst," *Honolulu Star-Bulletin*, Honolulu, HI, 4 Oct. 1994, pp A1 and A6
- Alvarez, L.W., W. Alvarez, F. Asaro, and H.V. Michel, "Extraterrestrial Cause for the Cretaceous-Tertiary Extinction," *Science*, Vol. 208, 1980, pp 1,095-1,108
- Alvarez, Walter, *T. Rex and the Crater of Doom*, Princeton Univ. Press, 1997, 185 pp
- Ambraseys, N.N., "The Seismic Sea Wave of July 9, 1956 in the Greek Archipelago," *Jour. Geophys. Res.*, Vol. 65, No. 4, April 1960, pp 1,257-1,265
- Persian Earthquakes*, Cambridge University Press, Cambridge, U.K., 1982, (tsunamis, p. 107)
- Amein, M., "A Method for Determining the Behaviour of Long Waves Climbing up a Beach," *Jour. Geophys. Res.*, Vol. 71, 1966, pp 401-410
- American Nuclear Society Standards Committee, ANS-2 Subcommittee, ANS 2.8 Working Group, *Standards for Determining Design Basis Flooding at Power Reactor Sites*, Proposed Revision 1, Draft 2, April 1980, 149 pp

- American Samoa, Dept. of Public Safety (TEMCO), *Survivable Crisis Management (SCM) Plan for American Samoa (Draft)*, Pago Pago, American Samoa, 1995
- American Wood-Preservers' Association (AWPA), *Standard for Pressure Treated Material in Marine Construction*, Bethesda, MD, AWPA Standard No. C18-77, 1977
- Ammon, Charles J., Chen Ji, et al., "Rupture Process of the 2004 Sumatra-Andaman Earthquake," *Science*, Vol. 308, No. 5725, 20 May 2005, pp 1,133-1,139
- Amsden, A.A., and C.W. Hirt, *YAQUI: An Arbitrary Lagrangian-Eulerian Computer Program for Fluid Flow at All Speeds*, Los Alamos National Laboratory, Los Alamos, NM, Report No. LA-5100, March 1973
- Amsden, A.A., *Numerical Calculation of Surface Waves: A Modified ZUNI Code with Surface Particles and Partial Cells*, Los Alamos Scientific Lab., Los Alamos, New Mexico, Rept. LA-5146, 1973
- Anderson, W.A., "Tsunami Warning in Crescent City, California, and Hilo, Hawaii," In *The Great Alaska Earthquake of 1964 - Human Ecology*, National Research Council, National Academy of Sciences, Washington, D.C., 1970
- Ando, M. "A Fault Model of the 1946 Nankaido Earthquake Derived from Tsunami Data," *Phys. Earth Planet. Inter.*, Vol. 28, 1982, pp 320-336
- Andrade, C., "Tsunami Generated Forms in the Algarve Barrier Islands," *Science of Tsunami Hazards*, Vol. 10, 1992, pp 21-33
- Andresen, A., and L. Bjerrum, "Slides in Subaqueous Slopes in Loose Sand and Silt," *Marine Geotechnique*, ed. Adrian F. Richards, Univ. Illinois Press, Urbana, 1967, pp 221-239
- Angenheister, G., "Five Earthquakes and Tidal Waves in the Pacific Ocean," *Apia Obs. Rept. for 1921*, Wellington, New Zealand, 1923, pp 58-62
- Anon., "In the Path of the Japan Wave. Full Details of the Tide that Swallowed Many Thousand Lives. The Number of Dead is Figured at Nearly 27,000 with 5,000 Wounded," *The Examiner*, San Francisco, CA, July 20, 1896, p. 1. Reproduced as "Great Moments of History: Disastrous Tidal Wave," in *San Francisco Examiner*, CA, Oct. 3, 1972, p. 39
- Anon., "The Great Seismic Wave of Japan," *Nature*, Vol. 54, No. 1402, Sept. 10, 1896, pp 449-450
- Anon., "Earthquake in the Arabian Sea," *Nature*, Vol. 156, 1945, pp 712-713
- Anon., "Tidal Waves Devastate Hilo; At Least 24 Dead, 25 Missing," *Honolulu Star-Bulletin*, HI, 23 May 1960, pp 1 and 1A
- Anon., "Fourth Meeting of the International Coordination Group for the Tsunami Warning System in the Pacific, Wellington, New Zealand, Feb. 4-7, 1974," *Tsunami Newsletter*, Vol. 7, No. 1, March 1974, pp 1-6
- Anon., "Tsunami Investigations: April-July 1974," *Tsunami Newsletter*, Vol. 7, No. 2, Aug. 1974, pp 8-10
- Anon., "Tsunami Investigations: September-December 1974," *Tsunami Newsletter*, Vol. 8, No. 1, Jan. 1975, p. 24
- Anon., "Police Log All Action," (Chile Tsunami), *Honolulu Star-Bulletin*, HI, 23 May 1960, p. 1E
- Anon., "Hilo Death Toll May Exceed 50; 34 Bodies Found; \$25 Million Loss," *Honolulu Star-Bulletin*, HI, 24 May 1960, pp 1 and 1A
- Anon., "Wreckage Left by Tidal Waves at Hilo," photographs, *Honolulu Star-Bulletin*, HI, 24 May 1960, p. 23
- Anon., (Associated Press), "Ike Orders Disaster Aid for Islands," *Honolulu Star-Bulletin*, HI, 25 May 1960, p. 1
- Anon., "Resolutions of the Tenth Pacific Science Congress Concerning Tsunamis, Sept. 1961," presented through the Section of Geophysical Sciences, passed by the Tenth Pacific Science Congress, Sept. 1961, In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, p. 263
- Anon., "Hilo Harbor Model's Tidal Wave Data Studied," *Honolulu Star-Bulletin*, HI, 28 Dec. 1965, p. A1-B
- Anon., (United Press), "Tidal Wave Alert in California," *San Francisco Chronicle*, CA, 18 Oct. 1966, pp 1 and 14
- Anon., "Tidal Wave only a Ripple Here," (Chile Earthquake of 18 Oct. 1966; tsunami alert), *San Francisco Chronicle*, CA, 19 Oct. 1966
- Anon., *Tsunami Travel Times Charts for Use in the Tsunami Warning System*, U.S. National Ocean Survey, Rockville, MD, 1971, 53 pp
- Anon., "Evaluation of the 1960 Tsunami and Other Major Emergency Situations in Hawaii," Civil Defense Division, State of Hawaii, *International Tsunami Information Center Newsletter*, Vol. 4, No. 1, 15 March 1971, pp 5-6
- Anon., (UPI), "South Pacific Hit by Strong Quake," (tsunami, New Britain), *Oakland Tribune*, CA, 26 July 1971
- Anon., "Organizational Information of ITIC," *International Tsunami Information Center Newsletter*, (no volume number), 15 June 1972, 14 pp
- Anon., "A Freak Tidal Wave Kills Three," *San Francisco Chronicle*, CA, 27 Nov. 1972
- Anon., "Two Killed Here by Freak Waves," *San Francisco Examiner*, CA, 27 Nov. 1972
- Anon., "Tsunamis in Solomon Islands," (Jan. 31 and Feb. 1, 1974), *Tsunami Newsletter*, Vol. 7, No. 1, March 1974, p. 9
- Anon., "Tidal Wave and Shocks Rock B'Ville," *Papua New Guinea Post-Courier*, PNG, 22 July 1975, pp 1 and 3
- Anon., "US-USSR Tsunami Warning System Agreement," *Tsunami Newsletter*, Vol. 8, No. 3, Sept. 1975, pp 3-4
- Anon., "Conference Reports: IUGG Tsunami Committee Symposium and Report," (Grenoble, France, 29 Aug. 1975, under auspices of IAPSO), *Tsunami Newsletter*, Vol. 8, No. 3, Sept. 1975, pp 11-12 (7th IUGG

international tsunami symposium)

Anon., "Hawaii Tsunami of November 29, 1975," *Tsunami Newsletter*, Vol. 8, No. 4, Dec. 1975, pp 1-5

Anon., "Huge Waves Swept Away 11 Children," (Moro Gulf, Celebes Sea), *The Independent and Gazette*, 17 Aug. 1976, pp 1 and 3

Anon., "Philippine Refuges to Have New Homes Inland," (Moro Gulf, Celebes Sea tsunami), *The Seattle Times*, WA, 19 Aug. 1976, p. A6

Anon., "ITIC-PAGASA-USGS Survey of the Earthquake and Tsunami of 16 August 1972 in the Philippines," *Tsunami Newsletter*, Vol. 9, No. 3, Sept. 1976, pp 1, 3-6, and 16-18

Anon., "Tsunamis," *California Geology*, Vol. 30, No. 4, April 1977, pp 88-89

Anon., "Large Toll Feared in Bali Earthquake," *San Francisco Examiner*, CA, 22 Aug. 1977

Anon., "Indian Ocean. A Huge Quake Shakes Vast Area in Asia," (several hundred miles south of Sumba Island), *San Francisco Chronicle*, CA, 20 Aug. 1977

Anon., "Indonesian Tsunami of August 19, 1977," *Tsunami Newsletter*, Vol. 10, No. 3, Sept. 1977, pp 1-3 and 16

Anon., "Tsunami Experts Meet in Manila," UNESCO, International Marine Science, *IMS Newsletter*, No. 18, March 1978, p. 5

Anon., "Third Meeting of Experts of the US-USSR on the System of Simultaneous Warnings on Tsunamis," *Tsunami Newsletter*, Vol. 12, No. 1, Jan. 1979, pp 2-4

Anon., "Tidal Wave Hits Greece, Crete," *San Francisco Examiner*, CA, 4 April 1979

Anon., "Tsunami and Other Waves," *The New Pacific*, Vol. 3, No. 2, July-August edition; reproduced in *Tsunami Newsletter*, Vol. 12, No. 2, June 1979, pp 1-5

Anon., (United Press), "Tidal Wave Kills 10 on Riviera," *San Francisco Chronicle*, CA, 17 Oct. 1979

Anon. (United Press International), "A Killer Tidal Wave on the Riviera," (photo), *San Francisco Examiner*, CA, 17 Oct. 1979

Anon., "Killer Quake Rocks Columbia," *San Francisco Chronicle*, CA, 12 Dec. 1979

Anon., "Tsunami Struck the French Riviera," *Tsunami Newsletter*, Vol. 13, No. 1, Jan. 1980, pp 10-13

Anon., "Summary Report of the Seventh Session of ITSU, Held in Chile (3-7 March 1980, Vina del Mar)," *Tsunami Newsletter*, Vol. 13, No. 2, July 1980, pp 6-27

Anon., "Earthquake and Tsunami Report, December 1993 through June 1994," *Tsunami Newsletter*, Vol. 26, No. 1, July 1994, pp 3-6

Anon., "Great Earthquake and Tsunami of October 4, 1994," *Tsunami Newsletter*, Vol. 27, No. 1, Jan. 1995, pp 2-5

Anon., "Response Actions Following the Chilean Tsunami of July 30, 1995," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 57-59

Anon., "Philippine Tidal Wave Kills 136," *San Francisco Examiner*, CA, 27 Nov. 1981, p. A5

Anon., "GOES Tsunami Platforms," *Tsunami Newsletter*, Vol. 15, No. 1, March 1982, p. 8

Anon., "ITSU-VIII Resolutions and Summary of the National Reports," *Tsunami Newsletter*, Vol. 15, No. 3, Nov. 1982, pp 13-18

Anon., "Quake Death Toll Hits 32. Japan's Worst Temblor in 15 Years," *San Francisco Examiner*, CA, 26 May 1983, pp A1, A2 and A22

Anon., "The Sudden, Silent Killer Tidal Wave: Survivors Describe Horror of Japan's Quake-spawned Tsunami," *San Francisco Examiner*, CA, 27 May 1983, p. A14

Anon., "Eleventh Session of the International Coordination Group for the Tsunami Warning System in the Pacific, Beijing, China, 8-12 Sept. 1987," *Tsunami Newsletter*, Vol. 20, No. 2, Dec. 1987, pp 8-12

Anon., "XIII General Assembly of the European Geophysical Society, University of Bologna, Italy, 21-25 March 1988: European Tsunami Working Group Established," *Tsunami Newsletter*, Vol. 21, No. 2, Nov. 1988, pp 6-7

Anon., "Second UJNR Tsunami Workshop, East-West Center, University of Hawaii, Honolulu, USA, 4-7 Nov. 1990," *Tsunami Newsletter*, Vol. 24, No. 1, Jan. 1991, pp 17-21

Anon., "IUGG-Tsunami Disaster Reduction Symposium, Vienna, Austria, 19-20 August 1991," (15th IUGG international tsunami symposium), *Tsunami Newsletter*, Vol. 24, No. 2, Dec. 1991, pp 5-10

Anon., "Quake Causes Tidal Waves Here, Hawaii," *Guam Daily News*, Guam, Mariana Islands, 6 Nov. 1992, p. 1

Anon., "More Than 1,200 Known Dead in Quake in Eastern Indonesia," (Flores Island), *New York Times*, NY, 12 Dec. 1992, p. A3

Anon., "Predicting Large Tsunamis," *Nature*, Vol. 361, 1993, pp 686-687

Anon., "Earthquake, Tsunami Kills Scores," (Okushiri Island), *The Japan Times*, Tokyo, 14 July 1993, p. 1

Anon., "Tidal Wave Warning Comes Too Late for Island's Residents," *The Japan Times*, Tokyo, 14 July 1993, p. 2

Anon., "Earthquake and Tsunami Report, July through November 1993," *Tsunami Newsletter*, Vol. 25, No. 2, Dec. 1993, pp 1-9

Anon., "Strong Earthquake Jolts Guam: Small Tsunami Recorded," *Tsunami Newsletter*, Vol. 25, No. 2, Jan. 1994, pp 1-3

Anon., "Earthquake and Tsunami Report, July through December 1994," *Tsunami Newsletter*, Vol. 27, No. 1, Jan. 1995, pp 1-9

Anon., "Great Earthquake and Tsunami of October 4, 1994," (near Kuril Islands), *Tsunami Newsletter*, Vol. 27, No. 1, Jan. 1995, pp 2-5

Anon., "Earthquake and Tsunami Reports, January through June 1995," *Tsunami Newsletter*, Vol. 27, No. 2, July 1995, pp 1-7

- Anon., "Recent Tsunami and Earthquakes", (15 June 1995-1 January 1996), *Tsunami Newsletter*, Vol. 28, No. 1, Jan. 1996, pp 1-15
- Anon., "National and Regional Activities," *Tsunami Newsletter*, Vol. 28, No. 1, Jan. 1996, pp 15-29
- Anon., "Intergovernmental Oceanographic Commission/Tsunami Warning System of the Pacific (IOC/ITSU): ICG/ITSU Fifteenth Session, Papeete, Tahiti, French Polynesia, July 24-28, 1995," *Tsunami Newsletter*, Vol. 28, No. 1, Jan. 1996, pp 29-37
- Anon., "Tsunami Reports: January - June 1996," *Tsunami Newsletter*, Vol. 28, No. 2, July 1996, pp 1-12
- Anon., "18th International Tsunami Symposium in Conjunction with IAMAS-IAPSO Joint Assembly, July 1-9, 1997, Melbourne, Australia," *Tsunami Newsletter*, Vol. 28, No. 2, July 1996, p. 26
- Anon., "ATWC Becomes West Coast/Alaska Tsunami Warning Center (WC/ATWC), (effective 1 January 1997)," *Tsunami Newsletter*, Vol. 28, No. 2, July 1996, p. 29
- Anon., "Kamchatka Earthquake and Tsunami, Mw=7.9, 5 Dec. 1997," *Tsunami Newsletter* (Annual), Vol. 30, 1997, pp 24-25
- Anon., "Tsunami Victims Rebuilding their Lives," *Aid Worker, Pacific Islands Monthly*, August 1999, p. 29
- Anon., (Associated Press), "Quake-spawned Tsunami Kills 5 on Pacific Island of Vanuata," *San Francisco Chronicle, CA*, 27 Nov. 1999, p. A15
- Anon., "Beachgoer's Double Whammy," *Science*, Vol. 288, No. 5478, 12 May 2000, p. 959
- Anon., "OSU Gets Grant for Tsunami Laboratory," *West Hawaii Today*, HI, 7 Feb. 2001, p. 12A
- Anon., "23-24 June 2001, 20:33 GMT - Peruvian Earthquake and Tsunami," *Tsunami Newsletter*, Vol. 33, No. 4, Sept. 2001, pp 2-5 and 8
- Anon., "International Tsunami Symposium 2001," (Univ. Washington, Seattle, WA, 7-10 Aug. 2001), *Tsunami Newsletter*, Vol. 33, No. 4, Sept. 2001, p. 6
- Anon., "Session XVIII of the International Coordination Group for the Tsunami Warning System in the Pacific (ITSU-XVIII)," *Tsunami Newsletter*, Vol. 33, No. 4, Sept. 2001, p. 7
- Anon., "Second Tsunami Symposium Review, May 28-31, 2002, Honolulu, Hawaii," *Tsunami Newsletter*, Vol. 34, No. 3, June 2002, p. 5
- Anon., "Tsunami Generated by M 6.5 Indian Ocean Earthquake," (off North Andaman Island), *Tsunami Newsletter*, Vol. 34, No. 5, Oct. 2002, p. 11
- Anon., "ITSU News," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 21-23
- Anon., "ITSU News: United States," *Tsunami Newsletter*, Vol 37, No. 1, Nov. 2004. - Sept. 2005, p. 23
- Anon., "World Conference on Disaster Reduction, Kobe, Japan, 18-22 January 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 24-25
- Anon., "International Workshop on Tsunami Disaster
- Anon., "Tsunamis. The Next Big Wave," (southern California), *The Economist*, print edition, 14 August 2003, 3 pp
- Anon., "Algerian Earthquake," (tsunami, Majorca, Palma, 21 May 2003), *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, p. 2
- Anon., "Southeast of Loyalty Islands, New Caledonia, 27 December 2003," (in section: Tsunami Events, pp 2-13), *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, p. 13
- Anon., "International Workshop: Tsunamis in the South Pacific - Research Towards Preparedness and Mitigation, Wellington, New Zealand, 25-26 September 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, pp 25-26
- Anon., "ITSU XIX: Nineteenth Session of the International Co-ordination Group for the Tsunami Warning System in the Pacific, Wellington, New Zealand, 29 Sept.-2 Oct. 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, pp 19-20
- Anon., "ICG/ITSU Training Programme (ITP-Hawaii), August 2004," *Tsunami Newsletter*, Vol. 36, No. 3, Aug.-Oct. 2004, p. 7
- Anon., "Tsunami! Preparing Hawaii for the Next Big Wave," *Coastal Services*, NOAA Coastal Services Center, Vol. 7, Issue 5, Sept./Oct. 2004, pp 4,5,9, and cover
- Anon., "Tsunami Batters Asia, Claiming Over 11,000 Lives," *The Wall Street Journal*, 27 Dec. 2004, pp A1 and A2
- Anon., "ITSU Sessions," List of meeting dates and locations, Meeting I, in 1968, through Meeting XX, in 2005, *Tsunami Newsletter*, Vol. 36, No. 4 (not dated; received in April 2005), p. 52
- Anon., "Earthquake Off Northern Sumatra, Mw=9.0, 26 December 00:59 UTC; Tsunami Characteristics at Indian Ocean Stations," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, p. 7
- Anon., "PTWC Speaks Out After 26 December 2004 Tsunami," *Tsunami Newsletter*, Vol. 37, No. 2, Nov. 2004 - Sept. 2005, pp 8-10
- Anon., "IOC News: Caribbean," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, p. 11
- Anon., "IOC Global Activities: Indian Ocean Tsunami Warning and Mitigation System," *Tsunami Newsletter*, Vol 37, No. 1, Nov. 2004 - Sept. 2005, p. 13-15
- Anon., "Tsunami Warning and Evacuation Training Video and B-Roll Available," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 17-18  
<http://www.tsunamiwave.info>  
under Products and Services
- Mitigation, 17-18 Jan. 2005, Japan," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, p. 24
- Anon., "China - Association of Southeast Asian Nations (ASEAN) Workshop on Earthquake-Generated Tsunami Warning, Beijing, China, 25-26 Jan. 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, p. 26
- Anon., "WMO Multidisciplinary Workshop and GTS Expert Meeting on the Exchange of Early Warning and Related Information Including Tsunami Warnings in

- the Indian Ocean, Jakarta, Indonesia, 14-18 March 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 26-27
- Anon., "Asia Pacific All Hazards Workshop: Realizing Tsunami and Disaster Resilience Through New Partnerships and Technologies, Honolulu, Hawaii, USA, 6-10 June 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 28-29
- Anon., "Japan & Hawaii Study Tours on National Tsunami Warning and Mitigation Systems, Japan, Hawaii, July 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 32-35
- Anon., "Enhancing Early Warning for Pacific Island Countries, SOPAC Regional Planning Workshop, Suva, Fiji, 5-6 September 2005; A Draft Strategy for Enhancing Early Warning for Pacific Island Countries," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 37-39
- Anon., (New York Times), "Clinton Named U.N. Tsunami Envoy," *Honolulu Star-Bulletin*, HI, 2 Feb. 2005, p. A10
- Anon., "System Produces Seafloor Maps of Tsunami Earthquake Zone," *Sea Technology*, Vol. 46, No. 4, April 2005, pp 69-70  
<http://www.L-3Klein.com>
- Anon., "Tsunami Warning System Expansion Bill Approved," *The Civil Engineer*, Monthly Newsletter of the San Francisco Section, ASCE, Vol. LIII, No. 5, May 2005, p. 9
- Anon., "Assessment and Coordination of a Complex Emergency: GIS Supports Indian Ocean Tsunami Disaster Relief," *ArcNews*, ESRI, Vol. 27, No. 1, Spring 2005, pp 1, 2, 4 and 5
- Anon., "State's Message in a Bottle," (tsunami warning), Editorial, *San Francisco Chronicle*, CA, 20 June 2005, p. B4
- Anon., "Tsunami Aftermath," *On Course: PIANC Magazine*, No. 120, July 2005, pp 58-60
- Anon., "ITSU-XX to be Held in Valparaiso, Chile Between 3 and 7 October 2005," *International Tsunami Information Center (ITIC)*, updated 8 Sept. 2005, website  
<http://www.tsunamiwave.info/>
- Anon., "Pacific Import: Deploying Tsunami Detecting Technology in the U.S. Southeast," *Coastal Heritage*, Vol. 20, No. 2, Fall 2005, pp 12-13
- Anon., "Development of Performance Based Tsunami Engineering (PBTE)," NSF funded 4-year grant, Univ. Hawaii, Honolulu, HI, Dept. Civil and Environmental Engineering, H. Ronald Riggs, et al, Contracts and Grants in *Natural Hazards Observer*, Nov. 2005, p. 29
- Asakura, Ryosuke, Koji Iwase, et al., "The Tsunami Wave Force Acting on Land Structures," In *Coastal Engineering 2002; Solving Coastal Conundrums: Proc. 28th International Conf., Cardiff, Wales, 7-12 July 2002*, World Scientific, New Jersey, ed. Jane McKee Smith, Vol. 1, 2003, pp 1,191-1,202
- ASCE, Technical Council on Lifeline Earthquake Engineering (TCLEE), *Sumatra-Andaman Islands Earthquake and Tsunami of December 26, 2004 Lifeline Performance, Preliminary*, eds. Carl Strand and John Masek, TCLEE Monograph No. 29, Oct. 2005, 258 pp
- Associated Press, "4-Foot-High Tsunami After Quake," Anon., "Organizations Team Up to Assess Indonesian Coral Reefs," (effects of tsunami of 24 Dec. 2004), *Sea Technology*, Vol. 46, No. 11, Nov. 2005, p. 70
- Ansari, G.R., *Edge-wave Induced Harbor Oscillations*, Dept. Civil Engrg., Univ. Calif., Berkeley, CA, C.E. 299 Rept., Fall 1979, 27 pp
- Antonopoulos, J., "Catalogue of Tsunamis in the Eastern Mediterranean from Antiquity to Present Time," *Annali di Geofisica*, Rome, Vol. 32, 1979, pp 113-130
- Antonopoulos, J. "Data from the Investigation of Seismic Sea-Waves Events in the Eastern Mediterranean from the Birth of Christ (to 1980 A.D.) [In six parts: Birth of Christ to 500 A.D., 500 to 1000 A.D., 1000 to 1500 A.D., 1500 to 1800 A.D., 1800 to 1900 A.D., 1900 to 1980 A.D.]," *Annali di Geofisica*, Rome, Vol. 33, 1980, pp 141-248
- Antonopoulos, J. "Data from Investigation on Seismic Sea Waves Events in the Eastern Mediterranean from Antiquity to 500 BC," *Tsunami Newsletter*, Vol. 13, No. 3, Dec. 1980, pp 27-37
- Antonopoulos, John, "Data for Investigating Tsunami Activity in the Mediterranean Sea," *Science of Tsunami Hazards*, Vol. 8, No. 1, 1990, pp 39-52
- Antonopoulos, John, "The Tsunami of 426 BC in the Maliakos Gulf, Eastern Greece," *Natural Hazards*, Vol. 5, No. 1, Jan. 1992, pp 83-93
- Antonopoulos, John, "The Great Minoan Eruption of Thera Volcano and the Ensuing Tsunami in the Greek Archipelago," *Natural Hazards*, Vol. 5, No. 2, March 1992, pp 153-168
- Antunes do Carmo, J.S., and F.J. Seabra-Santos, "On Breaking Waves and Wave-current Interaction in Shallow Water; a Finite Element Model," *International Jour. for Numerical Methods in Fluids*, Vol. 222, 1996, pp 429-444
- Appenzeller, Tim, "In Turkey, Havoc from a Falling-Domino Fault," *Science*, Vol. 285, No. 5432, 27 Aug. 1999, pp 1,334-1,335
- Armstrong, Dean, (project director), *The Seismic Safety Study for the General Plan*, by the Tri-Cities Citizens Advisory Committee on Seismic Safety to the Cities of El Cerrito, Richmond, and San Pablo, California, on Earthquake Hazards and Recommended Measures to Reduce those Hazards, 1 Sept. 1973, 197 pp (tsunamis, p. 34)
- Arreaga-Vargas, P., M. Ortiz, and S.F. Farreras, "Mapping the Possible Tsunami Hazard as the First Step Toward a Tsunami Resistant Community in Esmeraldas, Ecuador," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- (Monterey Bay, CA), *San Francisco Chronicle*, CA, 16 Feb. 1990, p. A24
- Associated Press, "Indonesia Quake Relief Slowed by Rain," *San Francisco Chronicle*, CA, 15 Dec. 1992, p. A10
- Assier-Rzadkiewicz, S., C. Mariotti, and P. Heinrich, "Numerical Simulation of Submarine Landslides and Their Hydraulic Effects," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 123, No. 4, July/Aug. 1997, pp 149-157
- Assier-Rzadkiewicz, S., P. Heinrich, B. Savoye, and

- J.F. Bourillet, "Numerical Modelling of a Landslide Tsunami: the 1979 Nice Event (French Riviera)," *Inter. Conf. Tsunamis, Paris, 1998*, 1998, p. 83
- Assier-Rzadkiewicz, S., P. Heinrich, P.C. Sabatier, B. Savoye, and J.F. Bourillet, "Numerical Modelling of a Landslide-generated Tsunami: The 1979 Nice Event," (France), *Pure and Applied Geophysics*, Vol. 157, 2000, pp 1,707-1,727
- Associated Press, "A Look at Nations Affected," (Indian Ocean/ Sumatra Tsunami), *San Francisco Chronicle*, CA, 28 Dec. 2004, p. A10
- Associated Press, "Aid for Quake and Tsunami Victims," List with addresses and e-mail, *Los Angeles Times*, CA, 28 Dec. 2004, p. A13
- Associated Press, "Tsunami Warning Systems for Pacific, Atlantic Coast Proposed," *The Maui News*, HI, 15 Jan. 2005, p. A8
- Aswathanarayana, U., "Preparedness and Mitigation Systems for Asian Tsunami-type Hazards," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 11, 15 March 2005, p. 111
- Atkinson, H.R., J.P. Davis, D.R. Davy, L. Hill, and A.C. McHewan, *Report of a New Zealand, Australia, Papua New Guinea Scientific Mission to Mururoa Atoll*, Ministry of Foreign Affairs, New Zealand, Pub., 1984, pp 1-12 and 77-120
- Atwater, B.F., "Evidence for Great Holocene Earthquakes Along the Outer Coast of Washington State," *Science*, Vol. 236, No. 4804, 22 May 1987, pp 942-944
- Atwater, Brian F., Minze Stuiver, and David K. Yamaguchi, "Radiocarbon Test of Earthquake Magnitude at the Cascadia Subduction Zone," *Nature*, Vol. 353, 12 Sept. 1991, pp 156-158
- Atwater, Brian F., and Andrew L. Moore, "A Tsunami about 1000 Years Ago in Puget Sound, Washington," *Science*, Vol. 258, No. 5088, 4 Dec. 1992, pp 1,614-1,617
- Atwater, B.F., T.S. Yelin, C.S. Weaver, and J.W. Hendley II, *Averting Surprises in the Pacific Northwest*, U.S. Geological Survey Fact Sheet 111-95, 1995, 2 pp
- Atwater, B.F., and E. Hemphill-Haley, *Recurrence Intervals for Great Earthquakes of the Past 3,500 Years at Northeastern Willapa Bay, Washington*, U.S. Geological Survey Professional Paper 1576, 1997, 108 pp
- Atwater, Brian F., Marco Cisternas V., Joanne Bourgeois, Walter C. Dudley, James W. Hendley II, and Peter H. Stauffer, *Surviving a Tsunami - Lessons Bagla, Pallava, "Nuke Policy Leads India to Build Own Network," Science*, Vol. 307, No. 5708, 28 Jan. 2005, p. 503
- Balakina, L.M., "Relationship of Tsunami Generation and Earthquake Mechanism in the Northwestern Pacific," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. of Hawaii, Honolulu, 1970, pp 47-55
- Ball, F.K., "Edge Waves in an Ocean of Finite Depth," *Deep Sea Research*, Vol. 14, 1967, pp 79-88
- Banerjee, P., F.F. Pollitz, and R. Burgmann, "The Size and Duration of the Sumatra-Andaman Earthquake from Far-Field Static Offsets," *Science*, Vol. 308, from *Chile, Hawaii, and Japan*, U.S. Geological Survey, National Tsunami Hazard Mitigation Program, Circular 1187, 1999, 19 pp
- Atwater, Brian F., Satoko Musumi-Rokkaku, Kenji Satake, Yoshinobu Tsuji, Kazue Ueda, and David K. Yamaguchi, *The Orphan Tsunami of 1700 -- Japanese Clues to a Parent Earthquake in North America*, U.S. Geological Survey Professional Paper No. 1707, 2005, 144 pp. Available, Univ. Washington Press, 2005, and as a 144-page PDF file (116.8 MB) <http://pubs.usgs.gov/pp/pp1707/>
- Auffret, G.A., J.M. Auzende, et al., "Recent Mass Wasting Processes on the Provençal Margin (Western Mediterranean)," Contribution No. 719 of Centre Oceanologique de Bretagne, In *Marine Slides and Other Mass Movements*, eds. Svend Saxon and J.K. Nieuwenhuis, Plenum Press, New York, published in cooperation with NATO Scientific Affairs Division, 1982, pp 52-58
- AusGeo News 75 "Small Threat, but Warning Sounded for Tsunami Research," Sept. 2004
- Aya, Alfred A., Jr., "Emergency Evacuation of Tsunami Inundation Zones; Alerting and Instructing Area Crowds of Primarily Visitors Unfamiliar with Ocean Hazards," *Special Paper - Oregon, Dept. of Geology and Mineral Industries, Rept. 33*, 2000, 25 pp
- Ayre, Robert S., with Dennis S. Mileti, and Patricia B. Trainer, *Earthquake and Tsunami Hazards in the United States: A Research Assessment*, prepared for the National Science Foundation, by Inst. of Behavioral Science, Univ. of Colorado, Boulder, CO, Monograph NSF-RA-E-75-005, 1975, 150 pp (tsunamis, pp 93-150)
- Bache, A.D., "Notice of Earthquake Waves on the Western Coast of the United States, on the 23d and 25th December 1854," *Report of the Superintendent of the Coast Survey, Showing the Progress of the Survey During the Year 1855*, Washington D.C., 1856, pp 342-346 and plates; also in *The American Journal of Science and Arts, Second Series*, Vol. 21, May 1856, pp 37-43 and plates
- Badillo, Victor L., and Zinnia C. Astilla, *Moro Gulf Tsunami of 17 August 1976*, prepared for Special Committee on Tsunami Warning System, National Committee of Marine Sciences, National Science Development Board, Philippines; by Manila Observatory, Quezon City, 1978, 37 pp (incl. 16 photos)
- Baer, Ledolph, *The Icosahedral-Gnomonic Projection and Grid of the World Ocean for Wave Studies*, Rept. No. LR 20157, Lockheed-California Co., Oceanics Division, (1962?)
- No. 5729, 17 June 2005, pp 1,769-1,772
- Bapat, Arun, "Observation of Seismic Gaps in Asia and Americas," *Science of Tsunami Hazards*, Vol. 7, No. 2, 1989, pp 103-116
- Baptista, A.M., G.R. Priest, and T.S. Murty, "Field Survey of the 1992 Nicaragua Tsunami," *Marine Geodesy*, Vol. 16, 1993, pp 169-203
- Baptista, A.M., E. Myers, G.R. Priest, and Tad S. Murty, "Field Data of the 1992 Nicaragua Tsunami: Synthesis and Interpretation," In *Tsunamis: Progress in Prediction, Disaster Prevention and Warning*, eds., Y. Tsuchiya and N. Shuto, (Proc. of the IUGG/IOC International Tsunami Symposium, Wakayama,

Japan, 23-27 Aug. 1993), 1995, pp 871-880

Baptista, A.M., P. Miranda, and Victor L. Mendes, "Backward Ray-tracing of Tsunamis Affecting the Portuguese Coasts," *EGS Gen. Ass., - European Geophysical Society, Wiesbaden, Germany, 1993*, abstract

Baptista, A.M., G.R. Priest, Y. Tanioka, and E.P. Myers, "A Post-tsunami Survey of the 1993 Hokkaido Tsunami," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, No. 43, 1993, p. 349

Baptista, A.M., S. Heitor, L. Mendes Victor, "The 1755 Lisbon Tsunami - Historical Review," *Proc. of the XXIV Gen. Ass., of the ESC, Athens, Greece 1994*, pp 1,790-1,796

Baptista, A.M., J.M. Miranda, L. Mendes Victor, "Estimation of Seismic Risk Inferred from Tsunami Data," *Proc. of the XXV Gen. Ass. European Seismological Commission (ESC), Reykjavik, Iceland, Sept. 1996*

Baptista, A.M., P.M.A. Miranda, J.M. Miranda, and L. Mendes Victor, "Constraints on the Source of the 1755 Lisbon Tsunami Inferred from Numerical Modelling of Historical Data," *Jour. Geodynamics*, Vol. 25, No. 2, 1998, pp 159-174

Baptista, M.A., S. Heitor, J.M. Miranda, P.M. Miranda, and L. Mendes Victor, "The 1755 Lisbon Tsunami: Evaluation of the Tsunami Parameters," *Jour. Geodynamics*, Vol. 25, No. 2, 1998, pp 143-157

Baptista, M.A., J.M. Miranda, F. Chierici, and N. Zitellini, "New Study of the 1755 Earthquake Source Based on Multi-channel Seismic Survey Data and Tsunami Modeling," *Natural Hazards and Earth System Sciences*, Vol. 3, 2003, pp 333-340

Barbano, M., and R. Masetti, "A Hydrodynamical Model of Tsunami Waves Propagation in the Messina Strait," *Boll. Geofis. Teor. Appl.*, Vol. 98, 1983, pp 83-95

Bardet, Jean-Pierre, and Duygu Erten, "Will It Happen Here?," *Civil Engineering*, Vol. 69, No. 12, Dec. 1999, pp 38-43

Bardet, J.-P., C.E. Synolakis, H.L. Davies, F. Imamura, and E.A. Okal, eds., *Landslide Tsunamis: Recent Findings and Research Directions, Special Issue of Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,793-2,221

Bardet, J.-P., C.E. Synolakis, H.L. Davies, F. Imamura, and E.A. Okal, "Landslide Tsunamis: Recent Findings and Research Directions - Introduction," In *Landslide Tsunamis: Recent Findings and Research Directions, Special Issue of Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,793-1,809

Beckers, J., and T. Lay, "Very Broad-band Seismic Analysis of the 1992 Flores, Indonesia, Earthquake (Mw = 7.9)," *Jour. Geophys. Res.*, Vol. 100, 1995, pp 18,179-18,193

Beer, A., and J.M. Stagg, "Seismic Sea Wave of November 27, 1945," *Nature*, Vol. 158, 1946, p. 63

Begley, Sharon, and Gautam Naik, "The Indian Ocean has Few of the Early-Warning Systems that Ring the Pacific Ocean," *The Wall Street Journal*, 27 Dec. 2004, pp B1 and B4

Behrendt, Lars, Ivar G. Jonsson, and Ove Skovgaard, "A Hybrid FEM-Model for Tsunami Amplification in Nearshore Regions," In *Proc.: 1983 Tsunami*

Barnardo, Rosemarie, "Aviators End Tsunami Mission," *Honolulu Star-Bulletin*, HI, 1 Feb. 2004, p. A5

Barrett, Greg, "Hilo Town Awash in Memories of Tsunami," *The Honolulu Advertiser*, HI, 31 March 1996, pp A1 and A2

Barrett, Greg, "Tsunami Warnings to Come Sooner. New System to Monitor Aleutian Area," *The Honolulu Advertiser*, Honolulu, HI, 29 Jan. 1997, p., A1

Barrows, Allan G., *A Review of the Geology and Earthquake History of the Newport-Inglewood Structural Zone, Southern California*, Division of Mines and Geology, The Resources Agency, State of California, Special Report 114, 1974, 112+ pp

Barta, Patrick, "His Warning Ignored, Thai Meteorologist Now Plays Key Role," *The Wall Street Journal*, 10 Jan. 2005, pp A1 and A7

Barta, Patrick, Jay Solomon, and Christopher Conkey, "Earthquake Rattles Indonesia's Coast," *The Wall Street Journal*, 29 March 2005, pp A3 and A6

Bascom, W., *Effect of Seismic Sea Wave on California Coast, 1 April 1946*, Univ. of Calif., Berkeley, CA, College of Engineering, Fluid Mechanics Laboratory, Tech. Rept. HEL 116-204, 16 April 1946, 11 pp, photos, table, graph

Bascom, Willard, *Waves and Beaches*, Anchor Books, Doubleday & Co., Inc., 1964, 267 pp. Revised and updated, 1980, 366 pp

Bascom, Octavio A., and Augusto G. Vallarrael, "On A Stochastic Model to Estimate Tsunami Risk," *Jour. Hydraulic Research*, Vol. 13, No. 4, April 1975, pp 383-403

Battjes, J.A., "Surf Similarity," *Proc. 14th International Coastal Engineering Conf.*, ed. J.W. Johnson, ASCE, Vol. 1, 1975, pp 466-480

Becerra, Hector, "Advice: Don't Try to Surf a Tsunami. Malibu is Distributing Brochures Telling Residents to Head for the Hills and Away from the Beach to Avoid Giant Waves after Temblors," *Los Angeles Times*, CA, 28 Oct. 2005, p. B4

Beck, S.L., and L.J. Ruff, "Rupture Process of the 1963 Kurile Islands Earthquake Sequence: Asperity Interaction and Multiple Event Rupture," *Jour. Geophys. Res.*, Vol. 92, 1987, pp 14,123-14,138

Beck, S.L., and L.J. Ruff, "Great Earthquakes and Subduction Along the Peru Trench," *Physics of the Earth and Planetary Interiors*, Vol. 57, 1989, pp 199-224

*Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, PMEL/NOAA, U.S. Gov't. Printing Office, Wash. D.C., 1984, pp 265-273

Beikae, M., "A Numerical Technique for Calculation of Tsunami Generation, Propagation, and Inundation of Dry Land," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 923-934

Bellman, Eric, "After the Tsunami, Keys to Recovery Lie in Vanished Papers," *The Wall Street Journal*, 5 Jan. 2005, pp A1 and A4

- Bellman, Eric, "Paradise Could be Lost for Foreign Home Builders in Sri Lanka," *Wall Street Journal*, 3 Feb. 2005, p. A3
- Belousov, Alexander, Barry Voight, Marina Belousova, and Yaroslav Muravyev, "Tsunamis Generated by Submarine Volcanic Explosions: Unique Data from Eruption in Karymskoye Lake, Kamchatka, Russia," In *Landslides and Tsunamis, Pure and Applied Geophysics*, eds. B.H. Keating, C.F. Waythomas, and A.G. Dawson, Birkhauser Verlag, Basel, Vol. 157, 2000, pp 1,135-1,143
- Belt, Collins and Associates, Ltd., *A Plan for the Metropolitan Area of Hilo*, prepared for the County of Hawaii, 1961 (or 1962), 118 pp (tsunamis, including inundation, pp 85-94, and 113-115)
- Bender, Bryan, "Worsened by War: 2 Hard-hit Areas Beset by Civil Strife," *San Francisco Chronicle*, CA, 29 Dec. 2004, p. A14
- Benioff, Hugo, "Earthquakes and Rock Creep. 1," *Bull. Seismol. Soc. Amer.*, Vol. 41, No. 1, 1951, pp 31-62
- Benioff, Hugo, *The San Andreas Fault as a Possible Generator of Tsunamis*, a 6-page letter report prepared for the Pacific Gas and Electric Co., transmitted to R.L. Wiegel by F.F. Mautz on 15 Nov. 1965
- Benjamin, T.B., and M.J. Lighthill, "On Cnoidal Waves and Bores," *Proc. Roy. Soc.* Vol. A224, 1954, pp 448-460
- Benjamin, T.B., J.L. Bona, and J.J. Mahony, "On Model Equations for Long Waves in Nonlinear Dispersive Systems," *Phil. Trans. Royal Soc. (London)*, Ser. A, Vol 272, 1972, pp 47-78
- Benjamin, T.B., and J.E. Feir, "The Disintegration of Wave Trains on Deep Water," *Jour. Fluid Mech.*, Vol. 27, Part 3, 1967, pp 417-430
- Ben-Menahem, A., "Radiation of Seismic Surface-Waves from Finite Moving Sources," *Bull. Seis. Soc. Amer.*, Vol 51, No. 3, July 1961, pp 401-435
- Ben-Menahem, A., and M.N. Toksoz, "Source Mechanism from Spectra of Long Period Surface Waves," *J. Geophys. Res.*, Vol. 68, 1963, pp 5,207-5,222
- Ben-Menahem, A., and M. Rosenman, "Amplitude Patterns of Tsunami Waves from Submarine Earthquake," *Jour. Geophys. Res.*, Vol. 77, No. 17, 10 June 1972, pp 3,097-3,128
- Ben-Menahem, A., "Earthquake Catalogue for the Middle East (92 B.C. - 1980 A.D.)," *Boll. Geofis.*
- Bernard, E.N., ed., *Proceedings: Tsunami Symposium, Hamburg, Federal Republic of Germany, August 1983*, Pacific Marine Environment Laboratory (PMEL), NOAA, U.S. Government Printing Office, 1984, 273 pp (11th IUGG international tsunami symposium)
- Bernard, Eddie N., Gerald T. Hebenstreit, James F. Lander, and Paul F. Krumpke, "Regional Tsunami Warnings Using Satellites," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 117-129
- Bernard, E.N., and H.B. Milburn, "Long-wave Observations Near the Galapagos Islands," *Jour. Geophys. Res.*, Vol. 89, 1985, pp 3,361-3,366
- Bernard, E.N., "An Observational Network for Tsunami Teor. Appl.", Vol. 21, No. 84, 1979, pp 245-313
- Ben-Menahem, A., and S.J. Singh, *Seismic Waves and Sources*, Springer-Verlag, New York, 1981, 1,108 pp (tsunamis, pp 770-796)
- Berg, E., "The Alaska Earthquake: Its Location and Seismic Setting," *Proc. of the 15th Alaska Science Conf.*, AAAS, 1964, pp 218-232
- Berg, Eduard, Doak C. Cox, Augustine S. Furumoto, Kinjiro Kajiuira, Hiroshi Kawasumi, and Etsuzo Shima, *Field Survey of the Tsunamis of 28 March 1964 in Alaska, and Conclusions as to the Origin of the Major Tsunami*, Rept. No. HIG-70-2, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, Jan. 1970, 55 pp
- Berg, E., D.C. Cox, A.S. Furumoto, K. Kaijura, H. Kawatsumi, and E. Shima, "Source of the Major Tsunami," In: *The Great Alaska Earthquake of 1964: Oceanography and Coastal Engineering*, Committee on the Alaska Earthquake of the Division of Earth Sciences, National Research Council, National Academy of Sciences, Washington, D.C., 1972, pp 122-139
- Berke, Phillip R., "Hurricane Vertical Shelter Policy: The Experience of Two States," *Coastal Management*, Vol. 17, No. 3, 1989, pp 193-217
- Berkeley Lawrence Laboratory, "A Tsunami Relief Project: Providing Safe Drinking Water," by Anon., *Science on the Hill*, Newsletter of the Berkeley Lawrence Laboratory, Univ. California, Berkeley, CA, Spring 2005, p. 3
- Berkman, S.C., and J.M. Symons, *The Tsunami of May 22, 1960 as Recorded at Tide Stations*, U. S. Coast and Geodetic Survey, 1960, 79 pp
- Bernard, Eddie N., *Linearized Long Wave, Numerical Model of the Hawaiian Islands*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept. No. HIG-75-13, June 1975, 51 pp
- Bernard, E.N., and A.C. Vastano, "Numerical Computation of the Tsunami Response for Islands Systems," *Jour. Phys. Ocean.*, Vol. 7, No. 3, 1977, pp 389-395
- Bernard, E.N., "On Upgrading the U.S. National Tsunami Warning Center," *Proc. of IUGG Tsunami Symposium, Canberra, Australia, 1979*
- Bernard, E.N., J.F. Lander, and G.T. Hebenstreit, *Feasibility Study on Mitigating Tsunami Hazards in the Pacific*, NOAA, Pacific Marine Environmental Laboratory, Seattle, WA, NOAA Tech. Memo. ERL PMEL-37, 1982
- Research," In *Proc. of the Pacific Congress on Marine Technology, Honolulu, March 1986*
- Bernard, E.N., and R.L. Whitney, eds., *Proceedings: International Tsunami Symposium, IUGG, 1987, Vancouver, B.C., Canada, 18-19 Aug. 1985*, NOAA, Pacific Marine Environmental Lab. (PMEL), Seattle, WA, 1987 (13th IUGG international tsunami symposium)
- Bernard, E.N., R.R. Behn, G.T. Hebenstreit, et al., "On Mitigating Rapid Onset Natural Disasters: Project THRUST," *EOS, Trans., Amer. Geophysical Union*, Vol. 69, No. 24, 1988, pp 649-661
- Bernard, E.N., and G.T. Hebenstreit, "Fourteenth International Tsunami Symposium, Novosibirsk, USSR, July 31-August 3, 1989," *Science of Tsunami Hazards*, Vol. 8, No. 1, 1990, pp 53-59



- Bernard, E.N., "Summary of the IUGG Tsunami Commission Symposium in Vienna, Austria, 19-20 August 1991," (15th IUGG international tsunami symposium), *Tsunami Newsletter*, Vol. 24, No. 2, Dec. 1991, p. 11
- Bernard, E.N., "Assessment of Project THRUST: Past, Present, Future," *Natural Hazards*, Vol. 4, Nos. 2&3, 1991, pp 285-292
- Bernard, E.N., "Fourteenth International Tsunami Symposium: Opening Address," *Natural Hazards*, Vol. 4, Nos. 2 & 3, 1991, pp 113-117
- Bernard, E.N., "Report on Sixteenth International Tsunami Symposium," *Tsunami Newsletter*, Vol. 25, No. 2, Dec. 1993, pp 29-31
- Bernard, E.N., and F.I. Gonzalez, *Tsunami Inundation Modeling Workshop Report (November 16-18, 1993)*, National Oceanic and Atmospheric Administration (NOAA), Pacific Marine Environmental Laboratory, NOAA Tech. Memo. No. ERL PMEL-100, 1994, 139 pp
- Bernard, E., C. Mader, G. Curtis, and K. Satake, *Tsunami Inundation Model Study of Eureka and Crescent City, California*, NOAA, Pacific Marine Environmental Laboratory, NOAA Technical Memorandum ERL PMEL-103, Nov. 1994, 80 pp, two large maps in envelope
- Bernard, B.N., "Opening Address by Chairman, Tsunami Commission, IUGG," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Acad. Pub., The Netherlands, 1995, pp xi-xiii
- Bernard, E.N., "Reducing Tsunami Hazards Along U.S. Coastlines," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 189-203
- Bernard, Eddie, "The National Tsunami Hazard Mitigation Program," In *Tsunami Hazard Mitigation Symposium Proceedings*, Nov. 4, 1997, Ocean Pointe Resort, Victoria, B.C., Canada, Western States Seismic Policy Council, Palo Alto, CA, 1998, pp 5-8
- Bernard, E.N., "Program Aims to Reduce Impact of Tsunamis on Pacific States," *EOS, Trans., Amer. Geophys. Union*, Vol. 79, No. 22, 2 June 1998, pp 258, 262-263
- Bernard, E.N., R.R. Behn, et al., "On Mitigating Rapid Onset Natural Disasters: Project THRUST," *EOS, Trans., Amer. Geophys. Union*, 14 June 1998, pp 649-659
- Berninghausen, Wm. H., "Tsunamis and Seismic Seiches of Southeast Asia," *Bull. Seism. Soc. Amer.*, Vol. 59, No. 1, Feb. 1969, pp 289-297
- Bernstein, Joseph, "Tsunamis," *Scientific American*, Vol. 191, No. 2, 1954, pp 60-64
- Bertero, V.V., W.G. Corley, et al., "Damage Survey of the Nihon-Kai-Chubu, Japan Earthquake of May 26, 1983," *Earthquake Spectra*, Vol. 1, No. 2, 1985, pp 319-352
- Besana, Glenda, Masataka Ando, and Ma. Hannah Mirabueno, "The May 17, 1992 Event: Tsunami and Coastal Effects in Eastern Mindanao, Philippines," *Science of Tsunami Hazards*, Vol. 22, No. 2, 2004, pp 61-68
- Bernard, E.N., "Contribution to the IDNDR: Tsunami Flooding Maps," In *Tsunami Observations, Modelling and Hazard Reduction, International Tsunami Symposium, Birmingham, July 1999, IUGG XXII General Assembly: Abstracts*, p. B.126
- Bernard, E.N., and G.T. Hebenstreit, "The 1990's: A Critical Decade in Tsunami Research and Mitigation," In *Tsunami Research at the End of a Critical Decade*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 1-6
- Bernard, E.N., "Recent Developments in Tsunami Hazard Mitigation," In *Tsunami Research at the End of a Critical Decade*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 7-16
- Bernard, E.N., F.I. Gonzalez, C. Meinig, and H.B. Milburn, "Early Detection and Real-time Reporting of Deep-ocean Tsunamis," In *Review of the U.S. National Tsunami Hazard Mitigation Program*, NOAA, Seattle, WA, 7 Aug. 2001, pp 85-96
- Bernard, E.N., F.I. Gonzalez, et al., "DART Buoys Provide Real-time Reporting of Tsunamis," *Tsunami Newsletter*, Vol. 29, No. 2, April 2002, pp 3, 4, 7, and 8
- Bernard, Eddie, "Tsunami 'Firsts' Presented at the American Geophysical Union Meeting, San Francisco, CA, USA, 9-12 December 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, p. 28
- Bernard, Eddie N., "The Tsunami Story," *The National Tsunami Hazard Mitigation Program*, National Center for Tsunami Research, NOAA, 2 pp, downloaded 12 Nov. 2005 from [http://www.tsunami.noaa.gov/tsunami\\_story.html](http://www.tsunami.noaa.gov/tsunami_story.html)
- Berninghausen, Wm., H., "Tsunamis Reported from the West Coast of South America, 1562-1960" *Bull. Seismological Soc. Amer.*, Vol. 52, No. 4, Oct. 1962, pp 915-921
- Berninghausen, William H., "Tsunamis and Seismic Seiches Reported from the Eastern Atlantic Ocean South of the Bay of Biscay," *Bull. Seismological Soc. Amer.*, Vol. 54, No. 1, Feb. 1964, pp 439-442
- Berninghausen, Wm. H., "Tsunamis and Seismic Seiches Reported from Regions Adjacent to the Indian Ocean," *Bulletin Seismological Society of America*, Vol. 56, No. 1, Feb. 1966, pp 69-74
- Berninghausen, Wm. H., *Tsunamis and Seismic Seiches Reported from the Western North and South Atlantic and the Coastal Waters of Northwestern Europe*, U.S. Naval Oceanographic Office, Washington, D.C., Informal Report, Sept. 1968, 48 pp
- Bhattacharjee, Yudhijit, "In the Wake of Disaster, Scientists Seek Out Clues to Prevention," *Science*, Vol. 307, No. 5706, 7 Jan. 2005, pp 22-23
- Bilek, S.L., and T. Lay, "Tsunami Earthquakes Possibly Widespread Manifestations of Frictional Conditional Stability," *Geophysical Research Lett.*, Vol. 29, 2002, pp 18-1 to 18-4
- Bilham, R., J. Beavan, and K. Hurst, "Installation of Sea Level Monitors to Detect Vertical Motion and Tilt in Alaskan Seismic Gaps," *EOS, Trans., Amer. Geophysical Union*, Vol. 62, 1981, p. 1,053
- Bilham, Roger, "Tsunami-resistant gauges for Epicentral Sea-level Studies," In *Proc.: 1983 Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA, U.S. Gov't. Printing Office, Wash.,

D.C., pp 155-175

Bilham, Roger, et al., "Indonesia/Nicobar/Andaman Earthquake (updated 21 March 2005)," *Cooperative Institute for Research in Environmental Sciences (CIRES)*. Printout on 25 March 2005, 6 pp, from website  
<http://cires.colorado.edu/%7ebilham/IndonesiAndamman2004.htm>

Bilham, Roger, "A Flying Start, Then a Slow Slip," *Science*, Vol. 308, No. 5725, 20 May 2005, pp 1,126-1,127

Birgoren, G., and C. Tarhan, *Kocaeli Earthquake - Turkey, 1999-08-17 at 00:01:39.80 UTC*, Magnitude 7.4, on the North Anatolian Fault Zone, near Golcuk, printout 7 Sept. 1999, 2 pp  
<http://www.koeri.boun.edu.tr/earthqk/earthquake1.htm>

Biscontin, G., J.M. Pestana, and F. Nadim, "Seismic Triggering of Submarine Slides in Soft Cohesive Soil Deposits," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 341-354

Bjerrum, L., *Sub-aqueous Slope Failures in Norwegian Fjords*, Norwegian Geotech. Inst. Bulletin No. 88, Oslo, 1971, 8 pp

Blackford, Michael E., "Use of the Abe Magnitude Scale by the Tsunami Warning System," *Science of Tsunami Hazards*, Vol. 2, No. 1, 1984, pp 27-30

Blackford, M., and H. Kanamori, *Tsunami Warning System Workshop Report (September 14-15, 1994)*, National Oceanic and Atmospheric Administration (NOAA), Pacific Marine Environmental Laboratory (PMEL), Seattle, WA, NOAA Tech. Memo. No. ERL PMEL-105, 94 pp

Blackford, Michael E., "Pacific Tsunami Warning Center Operations," In *Tsunami Hazard Mitigation Symposium Proceedings*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, pp 9-22

Blackford, Michael, "Meeting of Experts from the Caribbean and ITSU Initiates Organization of Intra-Americas Sea Tsunami Warning System," *Tsunami Newsletter*, Vol. 33, No. 1, Feb. 2001, p. 2

Blackford, Mike, "ITSU XXXIII, Cartagena, Columbia, October 8-11, 2001," *Tsunami Newsletter*, Vol. 33, No. 5, Nov. 2001, pp 3-6

Block, Robert, "World Bank Anticipate Big Effort for South Asia," *The Wall Street Journal*, 27 Dec. 2004, p. A2

Borrero, Jose, J. Dolan, and C.E. Synolakis, "Tsunami Sources Within the Eastern Santa Barbara Channel," *Geophysical Research Letters*, Vol. 28, 2001, pp 643-647

Borrero, J.C., "Changing Field Data Gives Better Model Results: An Example from Papua New Guinea," *Proc. International Tsunami Symposium 2001, Seattle, WA, 7-10 Aug. 2001*, on CD-ROM and from website, NOAA, Pacific Marine Environmental Laboratory, Seattle, WA, 2001, pp 397-405

Borrero, Jose C., "The Indian Ocean Tsunami December 26, 2004; Dr. Borrero's notes on Aceh Province, Northern Sumatra," and 57 color photos, *Tsunami Research Center, Univ. Southern California, CA*, printout on 29 April 2005  
[http://www.usc.edu/dept/tsunamis/2005/tsunamis/041226\\_indianOcean/sumatra/sumatra.html](http://www.usc.edu/dept/tsunamis/2005/tsunamis/041226_indianOcean/sumatra/sumatra.html)

Block, Robert, Greg Hill, and Jess Bravin, "Aid for Asia Rises Amid Daunting Needs, Logistics," *The Wall Street Journal*, 29 Dec. 2004, pp A1 and A6

Bobillier, Carlos, "Historie de los Maremotos Acaecidos en Chile desde el Ano 1562 hasta el Ano 1932," Universidad de Chile, *Bol. del Servicio Sismol.*, No. 23, 1933, pp 34-41

Bodeen, Christopher, (Associated Press), "Seabed Images Show Huge Ruptures Near Epicenter," *West Hawaii Today*, HI, 11 Feb. 2005, p. 15A

Bodle, R.R., "Tidal Disturbance of Seismic Origin," (only one: 6 April 1943, Chile; marigram at Valparaiso), In *United States Earthquakes, 1943*, U.S. Coast and Geodetic Survey, Serial No. 672, 1945, pp 21-22

Bodle, R.R., "Note on the Earthquake and Seismic Sea Wave of April 1, 1946," *Trans. Amer. Geophys. Union*, Vol. 27, 1946, pp 464-465

Bohannon, Robert G., and James V. Gardner, "Submarine Landslides of San Pedro Escarpment, Southwest of Long Beach," *Marine Geology*, Vol. 203, Issue 3-4, 2004, pp 261-268

Bolme, Bruce M., *Harbor Oscillations in Hilo Harbor, Hawaii*, prepared for Dr. T. Sakou, Dept. Civil Engineering, Univ. Hawaii, Honolulu, 16 June 1965, 34 pp

Bolt, B.A., W.L. Horn, G.A. Macdonald, and R.F. Scott, *Geological Hazards*, Springer-Verlag, 1975, 2nd Edition, 1977, 530 pp (tsunamis, Ch. 3, pp 132-147)

Bolt, Bruce A., *Earthquakes*, W.H. Freeman and Co., New York, 1993 edition, 331 pp (tsunamis, pp 147-157)

Bonilla, M.G., R.K. Mark, and J.J. Lienkaemper, "Statistical Relations Among Earthquake Magnitude, Surface Rupture Length, and Surface Fault Displacement," *Bull. Seis. Soc. Amer.*, Vol. 74, 1984, pp 2,379-2,411

Borcherdt, R.D., and L.E. Borgman, *Empirical Probability Distributions for Astronomical Water Height*, Tech. Rept. No. HEL 16-6, Hydraulic Engineering Laboratory, University of California, Berkeley, CA, 1970, 32 pp

Borrero, J., M. Ortiz, V. Titov, and C.E. Synolakis, "Field Survey of Mexican Tsunami Produces New Data, Unusual Photos," *EOS, Trans., Amer. Geophys. Union*, Vol. 78, No. 8, 1997, pp 85 and 87-88

Borrero, Jose, Sungbin Cho, James E. Moore II, Harry W. Richardson, and Costas Synolakis, "Could It Happen Here?," *Civil Engineering*, Vol. 75, No. 4, April 2005, pp 54-65. "Letters - Consequences Exaggerated," *Civil Engineering*, Vol. 75, No. 7, July 2005: by Doug Thiessen, and Antonio Gioiello, p. 8; by Gordon H. Sterling, Billy L. Edge, Charles C. Calhoun, Jr., Thomas H. Christensen, John R. Headland, Stephen A. Curtis; pp 8-9; "Reply" by Costas E. Synolakis, James E. Moore II, Jose C. Borrero, and Harry W. Richardson, pp 9-10

Borrero, Jose C., "Field Data and Satellite Imagery of Tsunami Effects in Banda Aceh," *Science*, Vol. 308, No. 5728, 10 June 2005, p. 1,596

Bouchon, M., "The Motion of the Ground During an Earthquake 2. The Case of a Dip Slip Fault," *J.*

- Geophys. Res.*, Vol. 85, 1980, pp 367-375
- Bourgeois, J., T.A. Hansen, P.L. Wiberg, and E.G. Kauffman, "A Tsunami Deposit at the Cretaceous-Tertiary Boundary in Texas," *Science*, Vol. 241, 1988, pp 567-570
- Bourgeois, J., and M.A. Reinhart, "Onshore Erosion and Deposition by the 1960 Tsunami at the Rio Lingue Estuary, South-Central Chile," *EOS, Trans., Amer. Geophys. Union*, Vol. 70, 1989, p. 1,331
- Bourgeois, Joanne, Catherine Petroff, Harry Yeh, et al., "Geologic Setting, Field Survey and Modeling of the Chimbote, Northern Peru, Tsunami of 21 February 1996," *Pure and Applied Geophysics*, Vol. 154, Nos. 3-4, 1999, pp 513-540
- Boyce, Jon A., *Tsunami Hazard Mitigation: The Alaskan Experience Since 1964*, Master of Arts thesis, Dept. Geography, Univ. Washington, Seattle, 1985
- Boyd, T.M., and J.L. Nabelek, "Rupture Process of the Andreanof Islands Earthquake of May 7, 1986," *Bull. Seism. Soc. Amer.*, Vol. 78, 1988, pp 1,653-1,673
- Braddock, R.D., "On Tsunami Propagation," *Jour. Geophys. Res.*, Vol. 74, No. 8, 1969, pp 1,952-1,957
- Braddock, R.D., *Optimal Problems in Physical Oceanography. Part II. Applications to Tsunamis*, (Grid Refinement Technique), Research Paper No. 20, Horace Lamb Center for Oceanographical Research, Flinders University of South Australia, July 1968, pp 89-154
- Braddock, R.D., "Tsunami Propagation over Large Distances," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, sponsored by the IUGG, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 285-303
- Braddock, R.D., "The Grid Refinement Technique," *J. Opt. Theory Applic.*, Vol. 7, No. 5, 1971, pp 337-345
- Braddock, R.D., P. Van den Driessche, and G. W. Peady, "Tsunami Generation," *Jour. Fluid Mechanics*, Vol. 59, Part 4, 1973, pp 817-828
- Braddock, R.D., "The Solomon Sea Tsunami of July 1971," *Oceanogr. of the South Pacific 1972, Inter. Symp., Wellington*, N.Z. National Committee UNESCO, Wellington, New Zealand, 1973, pp 9-14
- Braddock, R.D., "Response of a Conventional Tide Gauge to a Tsunami," *Marine Geodesy*, Vol. 4, No. 3, Briggs, M.J., C.E. Synolakis, and G.S. Harkins, "Tsunami Runup on a Conical Island," In *International Symposium: Waves - Physical and Numerical Modeling*, IAHR, Vancouver, B.C., Canada, 1994, pp 446-455
- Briggs, M.J., C.E. Synolakis, G.S. Harkins, and S.T. Hughes, "Large Scale Three-Dimensional Laboratory Measurements of Tsunami Inundation," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, (16th IUGG Tsunami Symposium Proceedings, Wakayama, Japan, 23-27 Aug. 1993), eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 129-149
- Briggs, M.J., C.E. Synolakis, G.S. Harkins, and D.R. Green, "Laboratory Experiments of Tsunami Runup on a Circular Island," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 569-593
- Briggs, Michael J., "Recent Studies on Tsunami Runup 1980, pp 223-236
- Braddock, R.D., P. Doilibi, and G. Voss, "Constructing Tsunami Travel Times Charts," *Marine Geodesy*, Vol. 5, No. 2, 1981, pp 256-279
- Braddock, R.D., P. Doilibi, and G. Voss, "A New Method of Constructing Tsunami Ray Paths and Travel Times Charts," *Proc. Tsunami Symposium, Canberra, 1979*, Published by Griffith Univ., pp 241-263
- Brandsma, M., D. Divoky, and L.-S. Hwang, *SEAWAVE - A Revised Model for Tsunami Applications. Final Report*, Tetra Tech., Inc., Pasadena, CA, prepared for National Science Foundation, April 1975, 45 pp and 34-page appendix
- Brandsma, M., D. Divoky, and L.S. Hwang, "Circumpacific Variations of Computed Tsunami Features," In *Proceedings: Symposium on Tsunamis*, Centro de Investigacion Cientifica y de Educacion Superior de Ensenada, Baja California, Mexico, March 23-26, 1977, IUGG Tsunami Committee; printed by Marine Environmental Data Service, Dept. Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Rept. Series No. 48, 1978, pp 132-151
- Brandsma, M., D. Divoky, and L.-S Hwang, *Tsunami Atlas for the Coasts of the United States*, prepared by Tetra Tech, Inc., Pasadena, CA, Rept. No. TC-486, U.S. Nuclear Regulatory Commission, Washington, D.C., Nov. 1979, various pagination
- Brennan, A., and J. Lander, eds., *Proceedings, 2nd UJNR Tsunami Workshop, November 1990, Honolulu, HI*, NOAA, Boulder, CO, 1991, 260 pp
- Bretschneider, Charles L., and P.G. Wybro, "Tsunami Inundation Prediction," *Proc. 15th Coastal Engineering Conference, July 11-17, 1976, Honolulu, Hawaii*, ed. J.W. Johnson, ASCE, 1977, Vol. 1, Ch. 60, pp 1,006-1,024
- Bretschneider, Charles L., and P.G. Wybro, "Inundation and Forces Caused by Tsunamis, for the State of Hawaii," *Tech. Supplement No. 5 to the Hawaii Coastal Zone Management Program*, 1978
- Briggs, M.J., "Joint Tsunami Runup Study," *The CERCUlar, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS*, CERC-92-3, 1992, pp 7-8
- Briggs, M.J., and C.E. Synolakis, "Large Scale Model Tests of Tsunami Run-up," *EOS, Trans., Amer. Geophys. Union*, Vol. 73, 1992, p. 266
- at WES," *Shore & Beach*, Vol. 67, No. 1, January 1999, pp 34-40
- Brown, Andrew, "On Asia's Coasts, Progress Destroys Natural Defenses," *The Wall Street Journal*, 31 Dec. 2004, p. A5
- Brown, D.L., *Tsunami Activity Accompanying the Alaskan Earthquake, 27 March 1964*, U.S. Army Corps of Engineers, Alaska District, Anchorage, AK, 1 April 1964, 20 pp
- Brown, Lloyd John, *Methods for the Analysis of Non-stationary Time Series with Application to Oceanography*, Hyd. Engrg. Lab., Univ. Calif., Berkeley, CA, Tech. Rept. HEL 16-3, May 1967, 135 pp
- Brummitt, Chris, (Associated Press), "Nerves Rattled in Asia After 2 Quakes. Major Aftershocks Add Little Damage to Devastated Areas," *The Honolulu Advertiser*, HI, 25 Jan. 2005, p. A3

- Bryan, Jack, "Group Completes Hilo Tidal Wave Protective Study," *Honolulu Star-Bulletin*, HI, 1 Jan. 1966, p. A14
- Bryant, Edward, R.W. Young, and D.M. Price, "Evidence of Tsunami Sedimentation on the Southeastern Coast of Australia," *Jour. of Geology*, Vol. 100, 1992, pp 753-765
- Bryant, Edward, *Tsunami. The Underrated Hazard*, Cambridge University Press, 2001, 320 pp
- Buchwald, V.T., and J.K. Adams, "The Propagation of Continental Shelf Waves," *Proc. Royal Soc. (London)*, Ser. A, Vol. 305, 1968, pp 235-250
- Buchwald, V.T., "Long Waves On Oceanic Ridges," *Proc. Royal Soc. (London)*, Ser. A, Vol. 308, 1969, pp 343-354
- Bucknam, Robert C., Eileen Hemphill-Haley, and Estella B. Leopold, "Abrupt Uplift Within the Past 1700 Years at Southern Puget Sound, Washington," *Science*, Vol. 258, No. 5088, 4 Dec. 1992, pp 1,611-1,614
- Bugge, T., *Submarine Slides on the Norwegian Continental Margin, with Special Emphasis on the Storegga Area*, Continental Shelf and Petroleum Technology Research Institute A/S Publ. 110, 1983, 152 pp
- Buika, Jim, Stanley Goosby, Raymond Isawa, Laura Kong, Juliana Lo, and Brian Yanagi, "Automated Tsunami Alert System for Hawaii with Applications for Other Tsunami-prone Nations," *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, pp 13-15
- Bulwa, Demian, "Crescent City. No Such Thing as Tsunami False Alarm: In Crescent City, Residents Forced to Re-live 1964 Tragedy," *San Francisco Chronicle*, CA, 16 June 2005, pp B1 and B7
- Bundgaard, H.I., I.R. Warren, and A. Barnett, "Modeling of Tsunami Generation and Run-up," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 23-29
- Butler, H.L., and D.L. Durham, "Application of Numerical Modeling to Coastal Engineering Problems," *Proc. of the 1976 Army Numerical Analysis and Computers Conf.*, Sept. 1976, pp 471-508
- Byerly, Perry, "The California Earthquake of November 4, 1927," *Bulletin of the Seismological Society of America*, Vol. 20, 1930, pp 53-60
- Byerly, Perry, "Comment on Causal Mechanism of Tidal Waves," 3-page Appendix of *Preliminary Report on Camfield, F.E., "Wave Trapping of a Coastline Approximated by a Circular Arc," In Proc. Symposium on Long Waves in the Ocean*, Dept. Fisheries and the Environment, Ottawa, Canada, 1979, pp 183-187
- Camfield, Frederick E., *Tsunami Engineering*, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Special Report No. 6, SR-6, Feb. 1980, 222 pp
- Camfield, Fred E., "Tsunamis," In *Handbook of Coastal Engineering*. Vol. 1, *Wave Phenomena and Coastal Structures*, ed. John B. Herbich, Gulf Pub. Co., Houston, TX, 1990, pp 591-634
- Camfield, R.E., "Tsunami Effects on Coastal Structures," In *Coastal Hazards: Perception, Susceptibility and Mitigation*. *Jour. Coastal Research*, Special Issue No. 12, 1994, pp 177-188
- Camfield, R.E., "Seismic Sea Waves from Aleutian Earthquake of April 1, 1946," by Morrrough P. O'Brien, Univ. of California, Berkeley, CA, Dept. of Engineering, Fluid Mechanics Laboratory, Wave Project, Tech. Report HE-116-207, 25 April 1946
- Byrne, D.E., D.M. Davis, and L.R. Sykes, "Locs and Maximum Size of Thrust Earthquakes and the Mechanics of the Shallow Region of Subduction Zones," *Tectonics*, Vol. 7, 1988, pp 833-837
- Byrne, R.J., "Field Occurrences of Induced Multiple Gravity Waves," *Jour. Geophysical Res.*, Vol. 74, No. 10, May 1969, pp 2,590-2,596
- Cadet, Jean Paul, Kazuo Kobayashi, et al., "Deep Scientific Dives in the Japan and Kuril Trenches," *Earth and Planetary Science Letters*, Vol. 83, No. 1/4, May 1987, pp 3,113-3,128
- California: Dept. of Conservation, Division of Mines and Geology, *Planning Scenario in Humboldt and Del Norte Counties, California, for a Great Earthquake on the Cascadia Subduction Zone*, Sacramento, CA, Special Pub. 115, 1995
- California: Governor's Office of Emergency Services, *Findings & Recommendations for Mitigating the Risks of Tsunamis in California*, Sept. 1997, 30 pp
- California: Governor's Office of Emergency Services, *Local Planning Guidance on Tsunami Response*, Sacramento, CA, May 2000
- Calverly, Bob, "A Tsunami 50 Feet High Could Hit Southern California," a news release from *USC Public Relations*, 01/29/01, 2 pages
- Camacho, Eduardo, "The Tsunami of April 22, 1991 in Central America," *Tsunami Newsletter*, Vol. 25, No. 1, 1993, pp 6-7
- Camfield, F.E., and R. L. Street, *An Investigation of the Deformation and Breaking of Solitary Waves*, Tech. Rept. No. 81, DDC AD 664 249, Dept. Civil Engrg., Stanford Univ., Palo Alto, CA, 1967
- Camfield, F.E., and R.L. Street, "The Effects of Bottom Configuration on the Deformation, Breaking and Runup of Solitary Waves," In *Proc. of the Eleventh Conf. on Coastal Engrg.*, ed. J.W. Johnson, ASCE, Ch. 11, Sept. 1968, pp 173-189
- Camfield, Frederick E., *Acceleration and Impact of Structures Moved by Tsunamis or Flash Floods*, U.S. Army Corps of Engineers, Coastal Engrg. Res. Center, Fort Belvoir, VA, CETA 78-1, 1978, 14 pp and ill.
- Camfield, Fred E., and Debra R. Green, "Effect of the Next Data Point on Tsunami Flood Level Prediction," *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994, pp 53-59
- Campbell, B.A., *Analysis of the November 3, 1994 Skagway Seafloor Instability*, Campbell and Associates, Anchorage, Alaska, 28 Jan. 1997
- Campbell, B.A., and P.E. Nottingham, "Anatomy of a Landslide-created Tsunami at Skagway, Alaska, November 3, 1994," *Science of Tsunami Hazards*, Vol. 17, No. 1, 1999, pp 19-42
- Campbell, C.S., "Large-scale Landslide Simulations: Global Deformations: Global Deformation, Velocities and Basal Friction," *Jour. Geophysical Research*, Vol. 100, 1995, pp 8,267-8,282
- Campbell, D.B., and N.A. Skermer, *Report to B.C.*

- Water Resources Service on Investigation of Sea Wave at Kitimat, B.C., Golder Associates, Vancouver, B.C., Canada, report to B.C. Water Resources Service, June 1975, 9 pp, 6 figs., 1 appendix
- Campos-Romero, Maria Lourdes, "Tsunami Hazard on the Spanish Coasts of the Iberian Peninsula," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 83-90
- Caputo, M., and G. Faita, "Statistical Analysis of the Tsunamis of the Italian Coasts," *Jour. Geophys. Res.*, Vol. 87, 1982, pp 601-604
- Caputo, Michele, and Riccardo Caputo, "Contribution for the Study of Tectonic Activity of the Mediterranean Sea from Volcanic Activity at Sea and New Islands Emerged in Historic Times," *Science of Tsunami Hazards*, Vol. 7, No. 2, 1989, pp 79-102
- Cardinal, Mark, and Jeff Brady, "Underwater Landslide Wrecks Skagway Harbor," *The Skagway News*, Alaska, Vol. 17, No. 9, 1994, p. 1
- Carlson, Christopher T., "Field Studies of Run-up on Dissipative Beaches," In *Nineteenth Coastal Engineering Conf.: Proc. International Conf.*, Sept. 3-7, 1984, Houston, TX, ed. Billy L. Edge, ASCE, Vol. 1, 1985, pp 399-414
- Carr, John H., "Long Period Waves or Surges in Harbors," *Trans. Amer. Soc. Civil Engineers (ASCE)*, Vol. 118, 1953, pp 588-603
- Carr, J.H., *Memorandum on Waves in the Los Angeles Harbor Associated with the Alaska Earthquake of April 1, 1946*. Report to Bureau of Yards and Docks, U.S. Navy, from R.T. Knapp, Calif. Inst. Tech., Pasadena, CA, April 1947, 32 pp (unpublished; but 4 tide gage records are in Willson, 1964)
- Carrier, G.F., and H.P. Greenspan, "Water Waves of Finite Amplitude on a Sloping Beach," *Jour. Fluid Mech.*, Vol. 17, 1958, pp 97-109
- Carrier, G.F., "Gravity Waves on Water of Variable Depth," *Jour. Fluid Mech.*, Vol. 24, 1966, pp 641-659
- Carrier, G.F., and R.P. Shaw, "Responses of Narrow-mouthed Harbors to Tsunamis," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 377-398
- Carrier, G.F., "The Dynamics of Tsunamis," In *Mathematical Problems in the Geophysical Sciences*, No. 1. *Geophysical Fluid Dynamics*, ed. W.H. Reid, Amer. Math. Soc., Providence, RI, 1971, pp 157-187; also, *Lectures in Appl. Math.*, Amer. Math. Soc., Chan, R.K.C., R.L. Street, and R. Strelkoff, *Computer Studies of Finite-Amplitude Water Waves*, Tech. Rept. 104, Dept. Civil Engrg., Stanford Univ., Palo Alto, CA, June 1969
- Chan, R.K.C., and R.L. Street, "Shoaling of Finite-Amplitude Waves on Plane Beaches," *Proc. 12th Conf. Coastal Engrg.*, Washington, D.C., Sept. 13-18, 1970, ed. J.W. Johnson, ASCE, 1971, pp 345-362
- Chang, Kenneth, "In Past Tsunamis, Tantalizing Clues to Future Ones," *New York Times*, 4 Jan. 2005, printout from University of Southern California (USC) Public Relations Web Site
- Chanson, Hubert, Shin-ichi Aoki, and Mamoru Maruyama, "An Experimental Study of Tsunami Runup on Dry and Wet Horizontal Coastlines," *Science of Tsunami Hazards*, Vol. 20, No. 5, 2002, pp 278-293
- Chao, Y-Y., *The Theory of Wave Refraction in* Vol. 13, 1971, pp 157-189
- Carrier, G.F., R.P. Shaw, and M. Miyata, "Channel Effects in Harbor Resonance," *Jour. Engineering Mech. Div.*, Proc. ASCE, Vol. 97, No. EM6, Dec. 1971, pp 1,703-1,716
- Carrier, G., and C. Noiseux, "The Reflection of Obliquely Incident Tsunamis," *Jour. Fluid Mech.*, Vol. 133, 1983, pp 147-160
- Carrier, G.F., "Tsunami Propagation from a Finite Source," *Proc. 2nd UJNR Workshop on Tsunamis, 1991*, pp 101-115
- Carrier, G.F., "On-Shelf Tsunami Generation and Coastal Propagation," in *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, ed. by Yoshito Tsuchiya and Nobuo Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 1-20
- Carrier, G.F., T.Y. Wu, and H. Yeh, "Tsunami Run-up and Draw-down on a Plane Beach," *Jour. of Fluid Mechanics*, Vol 475, 2003, pp 79-99
- Carte, George W., "A Tsunami Preparedness Assessment for Alaska," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 119-124
- Casey, Michael, (Associated Press), "Nias Island Re-Hit: Most Victims Died at Surf Spot Off Western Coast," *San Francisco Chronicle*, CA, 29 March 2005, pp A1 and A11
- Castel, David, Julianna O. Thomas, Richard J. Seymour, and David D. McGehee, "Measuring Long Period Waves Through the Coastal Data Information Program," In *Natural and Man-Made Coastal Hazards, International Conference*, Aug. 15-20, 1988: *Proceedings*, at Ensenada, Baja California, Mexico, and San Diego, CA, U.S.A., eds. S.F. Farreras and G. Pararas-Carayannis, 1989, p. 139
- Chadwick, J., G. Thackray, S. Dorsch, and N. Glenn, "Landslide Surveillance: New Tools for an Old Problem," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 11, 15 March 2005, pp 109 and 114
- Chaker, Amar, "A Concerted Effort," *Civil Engineering*, Vol. 74, No. 11, Nov. 2004, pp 62, 63, 67-71
- Chamber, L.G., "The General Problem of Long Waves on a Rotating Earth," *Quart. Appl. Math.*, Vol. 28, No. 2, 1970, pp
- Shoaling Water, Including the Effects of Caustics and the Spherical Earth*, Report No. TR 70-7, New York University, Geophysical Laboratory, New York, NY, June 1970
- Chaouche, A. Yelles, "Coastal Algerian Earthquakes: A Potential Risk of Tsunamis in Western Mediterranean? Preliminary Investigation," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 47-54
- Chapman, Chris, "The Asian Tsunami in Sri Lanka: A Personal Experience," *EOS, Trans., AGU*, Vol. 86, No. 2, 11 Jan. 2005, pp 13 and 14. See also 4 color photos in *EOS Electronic Supplement*
- Chapman, Chris, "The Asian Tsunami in Sri Lanka: A Personal Experience - Photos," *EOS, Trans., AGU*, Vol. 86, No. 2, 11 January 2005, Electronic Supplement; 3-page printout of 4 color photos [http://www.agu.org/eos\\_elec.000929e2.html](http://www.agu.org/eos_elec.000929e2.html)

- Charland, J.W., and J.W. Good, eds., *Coastal Earthquakes and Tsunamis: Reducing the Risks*, Oregon Sea Grant, Corvallis, OR, 1996
- Chaudhry, M. Hanif, et al., "Modeling of Slide-generated Waves in a Reservoir," *Jour. Hydraulic Engineering, Proc. ASCE*, Vol. 109, No. 11, Nov. 1983, pp 1,505-1,520
- Chawla, Rani J.K., *Tsunamis. A Selected Bibliography*, Marine Sciences Directorate, Dept. of Fisheries and the Environment, Ottawa, Canada, Manuscript Report Series 51, 1978, 4 pp and microfische in pocket (about 1,900 references)
- Chen, H.S., and C.C. Mei, *Oscillations and Wave Forces in an Offshore Harbor (Application of the Hybrid Finite Element Method to Water-Wave Scattering*, Rept. No. 190, Mass. Inst. Tech., Cambridge MA, 1974. Also in *Proc. 11th Symp. Naval Hydrodynamics*, ONR, 1974, pp 573-594
- Chen, M., D. Divoky, and Li-San Hwang, *Near-field Tsunami Behavior. Final Report*, Tetra Tech, Inc., Pasadena, CA, prepared for the National Science Foundation, Washington, D.C., April 1975, 49 pp and 2 appendices
- Chen, Michael H.T., *Tsunami Propagation and Response to Coastal Areas*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept. No. HIG-73-15, Dec. 1973, 36 pp and 22 figures
- Chen, T.C., *Experimental Study on the Solitary Wave Reflection Along a Straight Sloped Wall at Oblique Angle of Incidence*, Inst. Engrg. Res., Univ. California, Berkeley, Tech. Rept. Series 89, Issue 5, 1960, 29 pp; also, U.S. Army Corps of Engineers, Beach Erosion Board, Tech. Memo. No. 124, March 1961
- Cherkesov, L.V., "Some Problems of Hydrodynamics of Tsunami Waves," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 319-335
- Cherkesov, L.V., and V.V. Knysh, "Numerical Investigation of Nonlinear Tsunami Waves in a Basin of Varying Depth," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 191-200
- Chiang, Wen-Li, David Divoky, et al., *Numerical Model of Landslide-generated Waves*, prepared for U.S. Bureau of Reclamation, by Tetra Tech, Inc, Pasadena, CA, Tetra Tech Rept. T-3427, Nov. 1981, Chubarov., L.V., Yu. I. Shokin, and V.K. Gusiakov, "Numerical Simulation of the 1973 Shikotan (Nemuro-oki) Tsunami," *Compt. Fluids*, Vol. 12, No. 2, 1984, pp 123-132
- Chubarov, L.V., and V.K. Gusiakov, "Tsunamis and Earthquake Mechanisms in the Island Arc Regions," *Science of Tsunami Hazards*, Vol. 3, No. 1, 1985, pp 3-21
- Chubarov, L.B., Yu.I. Shokin, and K.V. Simonov, "Using Numerical Modelling to Evaluate Tsunami Hazard Near the Kuril Islands," *Natural Hazards*, Vol. 5, No. 3, May 1992, pp 293-318
- Chubarov, Leonid B., et al., "Investigation of Wave Characteristics Induced by Tsunami Wave Entering Inclosed Water Areas," *Science of Tsunami Hazards*, Vol. 15, No. 1, 1997, pp 49-63
- Chubarov, L.B., Yu.I. Shokin, and K.V. Simonov, 264 pp
- Chile, Instituto Hidrografico de la Armada, *Maremotos en la Costa de Chile*, I.H.A. Pub. 3016, 1st edition, 1982, 25 pp and 36 figures (32 tide gage records, with tsunamis)
- Cho, Y.-S., *Numerical Simulations of Tsunami Propagation and Run-up*, Ph.D. thesis, School of Civil and Environmental Engineering, Cornell Univ., Ithaca, NY, 1996
- Choi, B. H., J.S. Ko, H.H. Jung, Y.B. Kim, I.S. Oh, J.I. Choi, J.S. Shim, and E. Pelinovsky, "Tsunami Runup Survey at East Coast of Korea due to the 1993 Southwest of the Hokkaido Earthquake," *Jour. Korean Soc. Coastal and Ocean Eng.*, Vol. 6, No. 1, 1994, pp 117-125
- Choi, B.H., E. Pelinovsky, E. Ryabov, and S.J. Hong, "Distribution Function of Tsunami Wave Heights," *Natural Hazards*, Vol. 25, 2002, pp 1-21
- Choi, B.H., E. Pelinovsky, S.J. Hong, S.B. Woo, "Computation of Tsunamis in the East (Japan) Sea Using Dynamically Interfaced Nested Model," *Pure and Applied Geophysics*, Vol. 160, No. 8, 2003, pp 1,383-1,414
- Chronicle News Service, "Quake Slams Indonesia - 53 Dead: Tsunami Sweep Homes Out to Sea," (New Guinea; Biak Island), *San Francisco Chronicle*, CA, 19 Feb. 1996, p. A8
- Chronicle News Service, "Thousands Feared Dead in Tsunami. Papua New Guinea Villages Levelled with No Warning," *San Francisco Chronicle*, CA, 20 July 1998, pp A1 and A15
- Chronicle Wire Service, "Big Quake Hits Japan - 36 Die. 7.8 Temblor Causes Fires, Tidal Waves," *San Francisco Chronicle*, CA, 13 July 1993, pp A1 and A12
- Chronicle Wire Service, "Big Quake Hits Near Japan," (Kurile Islands), *San Francisco Chronicle*, CA, 5 Oct. 1994, pp A1 and A13
- Chu, Kan Kok, and Tetsuo Abe, "Tsunami Run-up and Back-wash on a Dry Bed," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 453-466
- Chu, K.S., "Historical Records of Earthquakes and Tsunamis in the Region of the Korean Peninsula and its Vicinity," In *Proc. IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1993*, pp 397-407
- "Computational Technology for Constructing Tsunami Local Warning Systems," *Science of Tsunami Hazards*, Vol. 19, No. 1, 2001, pp 23-38
- Chui, Glenda, "What If a Tsunami Hit the Bay Area?," *San Jose Mercury News*, CA, 27 June 2005, pp 1A and 17A
- Chung, J.Y., Ch.N. Go, and V.M. Kaistrenko, "Tsunami Hazard Estimation for the Eastern Korean Coast," In *Proc. IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1993*, pp 409-422
- Chung, J.Y., S.D. Kim, and V.V. Ivanov, "Tsunami Wave Forecasting and Aposteriori Estimation in the East Sea (Japan Sea)," In *Proc. IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1993*, pp 209-221
- Chung, J.Y., S.D. Kim, and V.V. Ivanov, "Tsunami Wave Hindcasting in the Japan Sea," In *Tsunami:*

- Progress in Prediction, Disaster Prevention and Warning*, eds. by Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 85-98
- Chwang, Allen T., and Henry Power, "Focusing and Reflection of a Cylindrical Solitary Wave," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Publishing Co., Tokyo, 1983, pp 151-263
- Clague, J.J., and P.T. Bobrowsky, "Tsunami Deposits Beneath Tidal Marshes on Vancouver Island, British Columbia," *Bull. Geol. Soc. Amer.*, Vol. 106, 1994, pp 1,293-1,303
- Clague, J.J., and P.T. Bobrowsky, "Evidence for a Large Earthquake and Tsunami 100-400 Years Ago on Western Vancouver Island, British Columbia," *Quaternary Res.*, Vol. 41, 1994, pp 176-184
- Clague, J.J., P.T. Bobrowsky, and T.S. Hamilton, "A Sand Sheet Deposited by the 1964 Alaska Tsunami at Port Alberni, British Columbia," *Estuarine, Coastal and Shelf Science*, Vol. 38, 1994, pp 413-421
- Clague, J.J., "Evidence for Large Earthquakes at the Cascadia Subduction Zone," *Reviews of Geophysics*, Vol. 35, 1997, pp 439-460
- Clague, J.J., I. Hutchinson, R.W. Mathewes, and R.T. Patterson, "Evidence for Late Holocene Tsunamis at Catala Lake, British Columbia," *Jour. Coastal Res.*, Vol. 15, 1999, pp 45-60
- Clague, J.J., B.F. Atwater, K. Wang, Y. Wang, and I.G. Wong, compilers, *Proc. Geological Soc. Amer. Penrose Conf., Great Cascadia Earthquake Tricentennial*, Oregon Dept. of Geology and Mineral Industries, Special Paper 33, 2000, 156 pp. Also, Open-File Report, Geological Survey of Canada, Rept. 3938, 2000, 156 pp
- Clark, H.E., "Tsunami Alerting System," *Earthquake Information Bulletin, USGS*, Vol. 11, No. 4, 1979, pp 1,320-1,337
- Clark, Hugh, "Tsunami Museum Stirs Scary Memories," *The Honolulu Advertiser*, HI, 31 Oct. 1999, p. A21
- Clark, John R.K., *The Beaches of Maui County*, Univ. Hawaii Press, Honolulu, 1980, 161 pp (tsunami, wharf damage, Maalaea and McGregor Point, p. 52)
- Clarke, H.E., *Tsunami Tide System*, U.S. Geological Survey Open File Rept. 76-735, 44 pp
- Committee on Earthquake Engineering Research, National Research Council, *Earthquake Engineering Research*, National Academy of Sciences, Washington D.C., 1972, 313 pp (pp 233-265 on tsunamis and seiches)
- Committee for Field Investigation of the Chilean Tsunami of 1960 (Ryutaro Takahasi, Chairman), *The Chilean Tsunami of May 24, 1960, as Observed Along the Coast of Japan*, Maruzen Co., Tokyo, Japan, December 1961, 397 pp (mostly in Japanese, but some chapters in English) (114 tide gage records; 48 photos in the front, and other photos in several sections)
- Comninakis, N. Delibasis, and A. Galanopoulos, "A Tsunami Generated by an Earth Slump Set in Motion Without Shock, on February 7, 1963," *Annales Geologiques des Pays Helleniques*, Athens, Greece, 1964, 3 pp
- Conlin, K., "Tsunami '64: Tidal Wave Rocks Crescent Clarke, S., and G.A. Carver, "Late Holocene Tectonics and Paleoseismicity, Southern Cascadia Subduction Zone," *Science*, Vol. 255, 1992, pp 188-192
- Coastal Services, "Tsunami! Preparing Hawaii for the Next Big Wave," *Coastal Services*, Vol. 7, Issue 5, Sept./Oct. 2004, pp 4,5, 9 and cover
- Cochrane, J.D., and R.S. Authur, "Reflection of Tsunamis," *Jour. Marine Research*, Vol. 7, No. 3, Nov. 1948, pp 239-251
- Cody, Edward, (Washington Post), "Distribution: Relief Delivery Improves, but Large Gaps Persist," *San Francisco Chronicle*, CA, 3 Jan. 2005, pp A1 and A7
- Coile, Zachary, "U.S. Boosts Tsunami Aid to \$350 Million. Quick Decision. Stung by Charges of Being Tightfisted and Slow to Respond, Bush Makes Tenfold Increase in Pledged Amount," *San Francisco Chronicle*, CA, 1 Jan. 2005, pp A1 and A5
- Coleman, Joseph, (Associated Press), "Southern Asia Plans to Create Centers for Tsunami Warnings," *The Honolulu Advertiser*, HI, 30 Jan. 2005, p. A12
- Comer, R.P., "Tsunami Height and Earthquake Magnitude: Theoretical Basis of an Empirical Relation," *Geophys. Res. Lett.*, Vol. 7, No. 6, 1980, pp 445-448
- Comer, R.P., "Tsunami Generation: Validity of Decoupling the Ocean from the Solid Earth," *EOS, Trans., Amer. Geophys. Union*, Vol. 63, 1982, p. 376 (abstract)
- Comer, R.P., *Tsunami Generation by Earthquakes*, Ph.D. thesis, Mass. Inst. of Tech., Cambridge, MA, 1982, 232 pp
- Comer, R.P., "Tsunami Earthquakes and Undersea Deformation," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 77-89
- Comer, R.P., "Tsunami Generation: A Comparison of Traditional and Normal Mode Approaches," *Geophys. J. Roy. Astron. Soc.*, Vol. 77, 1984, pp 29-41
- Comer, R.P., "The Tsunami Mode of a Flat Earth and Its Excitation by Earthquake Sources," *Geophys. J.R., Astr. Soc.*, Vol. 77, 1984, pp 1-27
- City," *The Humboldt Historian*, CA, Vol. 39, No. 1, Jan.-Feb. 1991
- Corbet, Michael, "The Next Big One Could be Tsunami; Quake Advice for North Coast," *San Francisco Chronicle*, CA, 24 May 1995, pp A15 and A20
- Corder, Mike, (Associated Press), "Tsunami Deaths May Soar. Indonesia Estimate, If Confirmed, Would Bring Toll to 212,000," *The Honolulu Advertiser*, HI, 20 January 2005, p A12
- Coulter, H.W., and R.R. Migliaccio, *Effects of the Earthquake of March 27, 1964 at Valdez, Alaska*, U.S. Geological Survey Prof. Paper 542-C, 1966, 36 pp
- Couzin, Jennifer, "After the Earth Moved," *Science*, Vol. 307, No. 5710, 4 Feb. 2005, p. 670
- Cox, Doak C., *Potential Tsunami Inundation Areas in Hawaii*, Univ. of Hawaii, Hawaii Institute of Geophysics, Honolulu, HI, Rept. No. HIG-14, 1961, 26

pp

Cox, Doak C., *Investigations of Tsunami Hydrodynamics: First Annual Report, for the Period 1962-1963*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HI, HIG Rept. No. 43, Oct. 1963, 15 pp

Cox, Doak C., editor, *Proceedings of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, August-September 1961*, International Union of Geodesy and Geophysics (IUGG), Paris, IUGG Monograph No. 24, July 1963, 265 pp (1st IUGG international tsunami symposium)

Cox, Doak C., "Effects of the May 1960 Tsunami in Hawaii and Other Polynesian Islands," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 87-95

Cox, Doak C., "International Tsunami Warning System. Summary of Round Table Discussion on an International Tsunami Warning System," Doak C. Cox, Substitute Convener, 29 August 1961, In *Proceedings of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, August-September 1961*, International Union of Geodesy and Geophysics, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 152-153

Cox, Doak C., "Tsunami Research Program of the Hawaii Institute of Geophysics," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 129-130

Cox, Doak C., and John F. Mink, "The Tsunami of 23 May 1960 in the Hawaiian Islands," *Bull. Seismological Soc. Amer.*, Vol. 53, No. 6, Dec. 1963, pp 1,191-1,209

Cox, D.C., S. Furumoto, R.H. Johnson, and M. Vitousek, *Progress in Tsunami Research, 1960-1962*, Univ. Hawaii, Institute of Geophysics, Honolulu, HI, Tech. Rept. 28, 1963, 15 pp

Cox, Doak C., *The Supply and Utilization of Information in the Tsunami Warning System of Hawaii*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept. No. HIG-39, 1963, 12 pp

Cox, Doak C., *Tsunami Forecasting*, Hawaii Inst. of Cox, Doak C., "Importance of Local Contemporary Reports of Effects of Historical Tsunamis in Tsunami Risk Analysis," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 67-69

Cox, Doak C., "Probable Aleutian Source of the Tsunami Observed in August 1872 in Hawaii, Oregon, and California," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 79-94

Cox, Doak C., and James F. Lander, "Revised Source of the Tsunami of August 23, 1872," *Science of Tsunami Hazards*, Vol. 12, No. 2, 1994, pp 117-126

Cox, Doak C., "The Inappropriate Tsunami Icon," *Science of Tsunami Hazards*, Vol. 19, No. 2, 2001, pp 87-92

Cox, Doak Carey: "In Memoriam, Doak Carey Cox, January 16, 1917 - April 21, 2003," By Jacquelin Miller, et al., *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, pp 6, 7, and 12

Crab, Charlene, "Tsunami Survivors Sue," *Science*,

Geophysics, Univ. of Hawaii, Honolulu, HI, prepared for Office of Naval Research, Rept. No. HIG-64-15, August 1964, 22 pp

Cox, Doak C., "Tsunami Research in Japan and the United States," In *Studies in Oceanography*, ed. K. Yoshida, Univ. Tokyo Press, Japan; (Amer. edition, Univ. Washington Press, 1965); 1965, pp 403-412

Cox, Doak C., *Performance of the Seismic Sea Wave Warning System, 1848-1967*, Hawaii Inst. of Geophysics, Univ. Hawaii, Honolulu, HIG-68-2, 1968, 69 pp and 10 pp of appendices

Cox, Doak C., and George Pararas-Carayannis, *Catalog of Tsunamis in Alaska*, Envir. Sci. Serv. Admin. (ESSA), U.S. Dept. Interior, 1969, 39 pp

Cox, Doak C., George Pararas-Carayannis, and J. Calebaugh, *Catalog of Tsunamis in Alaska*, Rept. SE-1, World Data Center A, Solid Earth Geophysics, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration (NOAA), Boulder, CO, March 1976

Cox, Doak C., *Proposed Oahu Tsunami: Hazard Zone, National Flood Insurance Program*, Univ. Hawaii, Environmental Center Review RR:0048, Honolulu, HI, Jan. 1977

Cox, Doak C., "Economic Justification of Tsunami Research: A Specific Example Based on Reduction of False Alarms in Hawaii," In *Symposium on Tsunamis*, Manuscript Rept. Series No. 48, Dept. of Fisheries and Environment, Ottawa, Canada, 1977, pp 218-223

Cox, Doak C., and J. Morgan, *Local Tsunamis and Possible Local Tsunamis in Hawaii*, Univ. of Hawaii, Honolulu, HI, Hawaii Inst. Geophysics, Rept. 77-14, Nov. 1977, 118 pp; Supplement, 1978, 6 pp

Cox, Doak C., *Local Tsunami in Hawaii - Implications for Hazard Zoning*, Hawaii Inst. Geophysics, Univ. of Hawaii, Honolulu, Rept. HIG-79-5, 1979, 46 pp

Cox, Doak C., *Source of the Tsunami Associated with the Kalapana (Hawaii) Earthquake of November 1975*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HIG-80-8, Dec. 1980, 46 pp

Cox, Doak C., *Local Tsunamis in Hawaii - Implications for Warning*, Univ. of Hawaii, Honolulu, HI, Hawaii Inst. Geophysics, Rept. 84-4, 1984

Vol. 307, No. 5716, 18 March 2005, p. 1,705

Crawford, D.A., and C.L. Mader, "Modeling Asteroid Impact and Tsunami," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 21-30

Crawford, George L., "Tsunami Inundation; from Science to Preparedness," In *Special Paper - Oregon, Dept. of Geology and Mineral Industries, Rept. 33*, 2000, p. 33

Crawford, Peter L., *Tsunami Predictions for the Coast of Kodiak Island to Ketchikan*, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Vicksburg, MS, Tech. Rept. CERC-87-7, April 1987, 137 pp

Cross, R.H., "Tsunami Surge Forces on Coastal Structures," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 93, No. WW4, November 1967, pp 201-231

Cross, Ralph H., *Non-linear Wave Effects on Tide Gages*, Univ. Calif., Berkeley, CA, Hyd. Engrg. Lab., Rept. HEL 16-2, May 1967, 30 pp



- Cross, Ralph H., *Frequency Response of Tide Gages*, Univ. Calif., Berkeley, CA, Hyd. Engrg. Lab., Rept. HEL 16-4, August 1967, 11 pp
- Cross, Ralph H., "Tide Gage Frequency Response," *Jour. Waterways and Harbors, Proc. ASCE*, Vol. 94, No. 3, Aug. 1968, pp 317-329
- Cross, Ralph H., "Hydrographic Surveys Offshore - Error Sources," *Jour. Surveying and Mapping Div., Proc. ASCE*, Vol. 100, No. SU2, Nov. 1974, pp 83-93
- Crosson, R. S., and T.J. Owen, "Slab Geometry of the Cascadia Subduction Zone Beneath Washington from Earthquake Hypocenters and Teleseismic Converted Waves," *Geophys. Res. Lett.*, Vol. 14, 1987, pp 824-827
- Cruz, G., and M. Wyss, "Large Earthquakes, Mean Sea Level, and Tsunami Along the Pacific Coast of Mexico and Central America," *Bull. Seis. Soc. Amer.*, Vol. 73, 1983, pp 553-570
- Cuellar, M.P., *Annotated Bibliography on Tsunamis*, U.S. Army Corps of Engineers, Beach Erosion Board, Washington D.C., Tech. Memo. No. 30, 1953, 69 pp (195 refs.)
- Cumberbatch, E., "The Impact of a Water Wedge on a Wall," *Jour. Fluid Mech.*, Vol. 7, 1960, pp 353-373
- Cumberbatch, E., "Spike Solution for Radially Symmetric Solitary Waves," *Phys. Fluids*, Vol. 21, 1978, pp 374-376
- Cumming-Bruce, Nick, "At A Resort, Harrowing Tales of Survival, Loss and Grief," *New York Times*, 28 Dec. 2004, p. A10
- Curtis, G.D., and H. Loomis, "A Small Self-contained Water Level Recorder for Tsunamis," In *Proc. of IUGG Tsunami Symposium, Canberra, Australia, 1979*
- Curtis, George D., "Establishment and Operation of a Tsunami Monitoring Program," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1 No. 1, Oct. 1982, pp G1-G12. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Curtis, George D., "Post-Tsunami Survey Procedures," *Earthquake Engineering Research Institute*, Vol. 17, No. 1, Jan. 1982 (also NSF No. CEE 8203394)
- Dames and Moore, *Design and Construction Standards for Residential Construction in Tsunami-prone Areas in Hawaii*, Dames and Moore, Washington, D.C., 1980, various pagination, maps, plans
- Dames & Moore, *Design and Construction Manual for Residential Buildings in Coastal High Hazard Areas*, prepared for Federal Emergency Management Agency (FEMA), Federal Insurance Administration, and U.S. Dept. of Housing and Urban Development, Washington D.C., FIA-7, January 1981, 189 pp
- Danard, M.B., and T.S. Murty, "On Sources of Error in Calculation of Tsunami Travel Times," *Science of Tsunami Hazards*, Vol. 7, No. 2, 1989, pp 73-78
- Danielsen, Finn, Mikael K. Sorensen, et al., "The Asian Tsunami: A Protective Role for Coastal Vegetation," *Science*, Vol. 310, No. 5748, 28 Oct. 2005, p. 643
- Darlenzo, M.E., C.D. Peterson, and C. Clough, "Stratigraphic Evidence for Great Subduction-Zone
- Curtis, George D., and Wm. M. Adams, "Needs and Developments in Tsunami Monitoring," *Science of Tsunami Hazards*, Vol. 3, No. 1, 1985, pp 34-40
- Curtis, George D., "Design and Development of a Coastal Tsunami Gage," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 173-182
- Curtis, George, and Charles Mader, "Real-time Monitoring and Modeling for Tsunami Threat Evaluation," *Science of Tsunami Hazards*, Vol. 5, No. 1, 1987, pp 49-55
- Curtis, George, "A Methodology for Developing Tsunami Inundation and Evacuation Zones," *Proc. of the Pacific Congress on Marine Technology, Tokyo, July 1990*
- Curtis, George D., "A Cumulative Subject Index to the Science of Tsunami Hazards, The Journal of the Tsunami Society," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 91-94
- Curtis, George, and James P. Lander, "Two Great Tsunamis/UJNR Workshop," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 67-70
- Curtis, G.D., and E.N. Pelinovsky, "Evaluation of Tsunami Risk for Mitigation and Warning," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 187-192
- Curtis, George C., "A Multi-sensor Research Program to Improve Tsunami Forecasting," *Science of Tsunami Hazards*, Vol. 19, No. 2, 2001, pp 77-86
- Daag, A.S., P.J. De los Reyes, B.S. Tubianosa, D.V. Javier, and R.S. Punongbayan, "Tsunami Deposits of the 15 November Mindoro Earthquake, Philippines," In *Proceedings, Tsunami Deposits, Geologic Warnings of Future Inundation*, Univ. Washington, Seattle, WA, 22-23 May 1995, p. 3
- Dahlen, F.A., "Single-force Representation of Shallow Landslide Sources," *Bull. Seismol. Soc. Amer.*, Vol. 83, 1993, pp 130-143
- Dalrymple, Robert A., and David L. Kriebel, "Lessons in Engineering from the Tsunami in Thailand," *The Bridge*, National Academy of Engineering, Vol. 35, No. 2, Summer 2005, pp 4-13
- Daly, Matthew, (Associated Press), "Inoue a Sponsor of Tsunami Bill," *The Honolulu Advertiser*, HI, 25 Jan. 2005, p. A3
- Earthquakes for Four Estuaries in Northern Oregon, U.S.A," *Jour. of Coastal Research*, Vol. 10, 1994, pp 850-876
- Darlenzo, Mark, "Efforts in Mitigation, Public Awareness and Emergency Response," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, p. 37
- Das, M.M., and R.L. Wiegel, "Waves Generated by Horizontal Motion of a Wall," *Jour. Waterways, Harbors, Coastal Eng. Div., Proc. ASCE*, Vol. 98, No. WW1, 1972, pp 49-65
- Davidson, D. Donald, and Robert W. Whalin, *Potential Landslide-generated Water Waves, Libby Dam and Lake Koocanusa, Montana. Final Report*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. H-74-14, Dec. 1974, 102 pp
- Davidson, D. Donald, and Bruce L. McCartney, "Water Waves Generated by Landslides in Reservoirs," *Jour.*

- Hydraulics Div., Proc. ASCE*, Vol. 101, No. HY12, Dec. 1975, pp 1,489-1,501
- Davidson, George, "Notes on the Volcanic Eruption of Mont St. Augustine, Alaska on October 6, 1883," *Science*, Vol. 3, No. 54, 1884, pp 186-189
- Davidson, Keay, "Collapse of Seabed Launches Deadly Waves," *San Francisco Chronicle*, CA, 27 Dec. 2004, p. A13
- Davidson, Keay, "Tsunami Simulation an Inexact Science," *San Francisco Chronicle*, CA, 10 Jan. 2005, p. A4
- Davidson, Keay, "Ancient Sands Reveal Traces of Huge Tsunamis," *San Francisco Chronicle*, CA, 13 June 2005, pp A1 and A8
- Davidson, Keay, "West Coast. Dodging Moose to Warn of Tsunami. Monitoring Office Was Closed at Time of Earthquake," *San Francisco Chronicle*, CA, 16 June 2005, p. B7
- Davidson, Keay, "Caltrans May Post Signs on Tsunami Evacuation," *San Francisco Chronicle*, CA, 24 June 2005, pp B1 and B10
- Davidson, Keay, "Reassessing 'What If' Factor at State's Nuclear Power Plants," *San Francisco Chronicle*, CA, 11 July 2005, pp A4 and A5
- Davies, H.L., *The Sissano Tsunami*, Univ. Papua New Guinea, Port Moresby, 1998
- Davies, H.L., "Sissano Tsunami: A Reconstruction of the Events of July 17, 1998, Based on Interviews with Survivors," *EOS, Trans. Amer. Geophys. Union*, Vol. 79, Fall Meeting Suppl., 1998, p. F572
- Davies, H., *Tsunami, PNG 1998*, Univ. of Papua New Guinea Press, Port Moresby, PNG, 1999, 49 pp
- Davies, H.L., J.M. Davies, et al., "Learning from the Aitape Tsunami," *Proc. International Tsunami Symposium 2001*, Seattle, WA, 7-10 Aug. 2001, Session 2, No. 2, NOAA, Pacific Marine Environmental Lab., Seattle, WA, CD-ROM, also on website, 2001, pp 415-424
- Davies, Hugh, "Wewak Earthquake and Tsunami Survey," *Tsunami Newsletter*, Vol. 29, No. 5, Oct. 2002, pp 4-7
- Dawson, A.G., D.E. Smith, A. Ruffman, and S. Shi, "The Diatom Biostratigraphy of Tsunami Sediments: Examples for Recent and Middle Holocene Events," *Physics and Chemistry of the Earth*, Vol. 21, No. 12, 1996, pp 87-92
- Dawson, Alastair G., and Shaozhong Shi, "Tsunami Deposits," In *Landslides and Tsunamis. Pure and Applied Geophysics*, Birkhauser Verlag, Basel, Vol. 157, No. 6/7/8, 2000, pp 875-897
- DeClue, Marsha, "Tsunami Survivors Recount That Day," *Hawaii Tribune-Herald*, Hilo, HI, 1 April 1996, pp 17 and 19
- DeLange, Willem, "17 July 1998 Saundaun Tsunami," *Tephra*, Oct. 1999, pp 42-50
- D'Emilio, Francis, (Associated Press), "World Rushes to Assist Survivors Amid Fears of More Deaths," *San Francisco Chronicle*, CA, 27 Dec. 2004, p. A14
- Deming, Harriet N.F., *Years of Sunshine Days. Memories of a Childhood in Hawaii*, Hawaiian Mission Children's Society, unpublished manuscript, no date;
- Davies, Hugh, "Tsunami Emphasis in Disaster Reduction Course at University of Papua New Guinea, 25 October - 8 November 2004," *Tsunami Newsletter*, Vol. 36, No. 3, Aug.-Oct. 2004, pp 13-14
- Davies, H.L., J.M. Davies, R.C.B. Perembo, and W.Y. Lus, "The Aitape 1998 Tsunami: Reconstructing the Event from Interviews and Field Mapping," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,895-1,922
- Davies, J., L. Sykes, L. House, and K. Jacob, "Shumagin Seismic Gap, Alaska Peninsula; History of Great Earthquakes, Tectonic Setting, and Evidence for High Seismic Potential," *Jour. Geophys. Res.*, Vol. 86, No. B5, 1981, pp 3,821-3,855
- Davison, Charles, "On the Sea Waves Connected with the Japanese Earthquake of June 15, 1896," *The Philosophical Mag.*, London, Series 5, Vol. 50, No. 307, Dec. 1900, pp 579-584
- Dawson, A.G., D. Long, and D.E. Smith, "The Storegga Slides: Evidence from Eastern Scotland for a Possible Tsunami," *Marine Geology*, Vol. 82, 1988, pp 271-276
- Dawson, A.G., I.D.L. Foster, S. Shi, D.E. Smith, and D. Long, "The Identification of Tsunami Deposits in Coastal Sediment Sequences," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 73-82
- Dawson, A.G., D. Long, D.E. Smith, S. Shi, and I.D.L. Foster, "Tsunamis in the Norwegian Sea and North Sea Caused by the Storegga Submarine Landslides," In *Tsunamis in the World*, ed. S. Tinti, Kluwer Academic Pub., Dordrecht, The Netherlands, 1993, pp 31-42
- Dawson, A.G., "Geomorphological Effects of Tsunami Run-up and Backwash," *Geomorphology*, Vol 10, 1994, pp 83-94
- Dawson, A.G., S. Shi, S. Dawson, T. Takahashi, and N. Shuto, "Coastal Sedimentation Associated with the June 2nd and 3rd, 1994, Tsunami in Rajegwesi, Java," *Quaternary Science Reviews*, Vol. 15, 1996, pp 901-912
- Dawson, A.G., "The Geological Significance of Tsunamis," *Zeitschrift fur Geomorphologie*, N.F., Suppl.-Bd. 102, 1996, pp 199-210
- tsunami at Waikiki in 1868 (or 1869) that uncovered the reef, as quoted in Kanahela, 1996, p. 142
- Dengler, Lori, "Tsunami Mitigation Efforts on California's North Coast," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, pp 45-47
- Dengler, L., and J. Preuss, "Learning from Earthquakes: Reconnaissance Report on the Papua New Guinea Tsunami of July 17, 1998," In *EERI Special Earthquake Report*, Jan. 1999, pp 1-8; also *EERI Newsletter*, Vol. 33 supplement, 1999
- Dengler, L., "Tsunami Mitigation Efforts on California's North Coast," In *Proc. International Tsunami Symposium and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 187-202
- Dengler, L., and J. Preuss, "Mitigation Lessons from the July 17, 1998 Papua New Guinea Tsunami," *Pure*

- and *Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,001-2,031
- Dengler, Lori A., "Reducing Tsunami Casualties: Mitigation Lessons from Recent Tsunamis," In *IUGG 2003, June 30-July 11, 2003, Sapporo, Japan: Abstracts, Week B, IUGG XXIII General Assembly, 21st IUGG International Tsunami Symposium*, p. B.152 <http://www.jamstec.go.jp/jamstec-e/iugg/index.html>
- Designing for Tsunamis: Seven Principles for Planning and Designing for Tsunami Hazards*, for National Tsunami Hazard Mitigation Program - NOAA, USGS, FEMA, NSF, Alaska, California, Hawaii, Oregon, and Washington, March 2001, 60 pp, 8-1/2" x 11" format, with illustrations
- DigitalGlobe, *Tsunami Aftermath: Sri Lanka, QuickBird Imagery, December 26-31, 2004*, 11 satellite photos, 2005
- Dillon, W., U. ten Brink, A. Frankel, C. Mueller, and R. Rodriguez, "Seismic and Tsunami Hazards in Northeast Caribbean," *EOS, Transactions, Amer. Geophys. Union*, Vol. 80, No. 28, 1999, pp 309-310
- Divoky, D., and J. Lane, *Edge Bore*, Tetra Tech Rept. TT-P-282-73-1, Tetra Tech Inc., Pasadena, CA, 1973
- Djumagaliev, V.A., and A.B. Rabinovich, "Long Wave Investigation at the Shelf and in the Bays of South Kuril Islands," *Jour. Korean Society of Coastal and Ocean Engineers*, Vol. 12, No. 4, 1993, pp 318-328
- Djumagaliev, Vladimir A., Evgeniy A. Kulikov, and Sergei L. Soloviev, "Analysis of Ocean Level Oscillations in Malokuril'skaya Bay caused by Tsunami on the 16 February 1991," *Science of Tsunami Hazards*, Vol. 11, No. 1, 1993, pp 47-58
- Dohler, G., "The Tide-gauge Data Telemetry Between the Tsunami Warning Center at Honolulu, Hawaii, and Selected Stations in Canada," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East West-Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 191-206
- Dohler, G.C., "A General Outline of the ITSU Master Plan for the Tsunami Warning System in the Pacific," *Natural Disasters*, Vol. 1, No. 3, 1988, pp 295-302
- Dominey-Howes, D.T.M., *The Geomorphology and Sedimentation of Five Tsunamis in the Aegean Sea Region, Greece*, Ph.D. thesis, Coventry University, Dronkers, J.J., *Tidal Computations in Rivers and Coastal Waters*, John Wiley and Sons, Inc., New York, 1964, 518 pp
- Dudley, Walter C., "50th Anniversary Today: Let's Not Forget," *Hawaii Tribune-Herald*, Hilo, HI, 1 April 1996, p. 17
- Dudley, Walter C., and Min Lee, *Tsunami!*, University of Hawaii Press, Honolulu, HI, 1988; 2nd Edition, 1998, 362 pp
- Dudley, Walter C., "The Pacific Tsunami Museum: A Memorial to Those Lost to Tsunamis, and an Educational Center to Prevent Further Casualties," *Science of Tsunami Hazards*, Vol. 17, No. 2, 1999, pp 127-134
- Dudley, Walt, and Scott C.S. Stone, *The Tsunami of 1946 and 1960 and the Devastation of Hilo Town*, Pacific Tsunami Museum, Hilo, HI, Donning Co. Publisher, Virginia Beach, VA, 2000, 64 pp
- Dunbar, F.S., P.H. LeBlond, and T.S. Murty, "Maximum Tsunami Amplitudes and Associated Currents on the U.K., Sept. 1996
- Dominey-Howes, D.T.M., "Sedimentary Deposits Associated with the July 9th, 1956 Aegean Sea Tsunami," *Physics and Chemistry of the Earth*, Vol. 21, No. 12, 1996, pp 51-55
- Dominey-Howes, D., and A. Cundy, "Tsunami Risk in the Aegean Sea and the Role of Systematic Field, Laboratory, and Documentary Studies: The Case of the 1956 Tsunami," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 103-118
- Donn, William L., and William T. McGuinness, "An Investigation of Long-period Ocean Waves," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 26-35
- Donn, W.L., and E.S. Posmentier, "Ground-Coupled Air Waves from the Great Alaskan Earthquake," *Jour. Geophys. Res.*, Vol. 69, No. 24, 1964, pp 5,357-5,361
- Dorrestein, Richard, *Amplification of Long Waves in Bays*, Tech. Paper No. 213, Florida Engineering and Industrial Experiment Station, Gainesville, FL, Engineering Progress at the University of Florida, Vol. 15, No. 12, Dec. 1961, 21 pp
- Dotsenko, S.F., and S.L. Soloviev, "Mathematical Simulation of Tsunami Excitation by Dislocations of the Ocean Bottom," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 31-36
- Downes, Gaye L., "South American Tsunami Impact in New Zealand," In *IUGG 2003, June 30-July 11, 2003, Sapporo, Japan: Abstracts, Week B, IUGG XXIII General Assembly, Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO)*, 21st IUGG International Tsunami Symposium, p B.145
- Doyle, M.J., Jr., "Tsunamis: Bodega Harbor, California," *Tide Gage Record of May 24, 1960, Bodega Bay, California, and Memo*, Pacific Gas and Electric Company, San Francisco, CA, 1 page and tide gage record (copy to R.L. Wiegel)
- Coast of British Columbia," *Science of Tsunami Hazards*, Vol. 7, No. 1, 1989, pp 3-44
- Dunbar, F.S., P.H. LeBlond, and T.S. Murty, "Evaluation of Tsunami Amplitudes for the Pacific Coast of Canada," *Progress in Oceanography*, Vol. 15, 1991, pp 115-177
- Dupon, J.F., "Landslides and Mudflows in a Young Volcanic Hawaiian Type Structure," *Science of Tsunami Hazards*, Vol. 2, No. 1, 1984, pp 31-40
- Dyckham, B.D., V.M. Jaque, E.A. Kulikov, et al. "Registration of Tsunamis in the Open Ocean," *Marine Geodesy*, Vol. 6, No. 3/4, 1983, pp 303-310
- Earthquake Engineering Research Institute (EERI), *Reconnaissance Report on the Papua New Guinea Tsunami of July 17, 1998*, EERI Special Earthquake Report, EERI, Oakland, CA, January 1998
- Earthquake Engineering Research Institute (EERI), *The Great Sumatra Earthquake and Indian Ocean Tsunami of December 26, 2004*, Special Earthquake Report, EERI, Oakland, CA, 2005, 53 illustrations

<http://www.eeri.org/>

Earthquake Research Institute, *Distribution of the Tsunami Heights of the 2004 Sumatra Tsunami in Banda Aceh, Measured by the Tsunami Survey Team*, Univ. Tokyo, Japan, 2005. Available online at <http://www.eri.u-tokyo.ac.jp/namegaya/sumatra/surveylog/eindex.htm>

Eaton, J.P., D.H. Richter, and W.V. Ault, "The Tsunami of May 23, 1960, on the Island of Hawaii," *Bulletin of the Seismological Society of America*, Vol. 51, No. 2, April 1964, pp 135-157

Eble, M.C., F.I. Gonzalez, F.I. Mattens, and D.M. Milburn, *Instrumentation, Field Operations, and Data Processing for PMEL Deep Ocean Bottom Pressure Measurements*, NOAA Tech. Memo. ERL PMEL-89, 1989

Egorov, Yu.A., and I.A. Molotkov, "Gardner Equation as the Model of Strong Nonlinear Tsunami Waves," In *Tsunamis: Their Science and Hazard Mitigation, Proceedings of the International Tsunami Symposium, July 31-Aug. 3, 1989, Novosibirsk*, ed. V.K. Gusiakov, Computing Center, Siberian Division, USSR Academy of sciences, Novosibirsk, 1990, pp 65-74

Eckart, C. "The Ray-Particle Analogy," *Jour. Marine Res.*, Vol. 9, 1950, pp 139-144

Eisner, R., J.B. Borrero, and C.E. Synolakis, "Inundation Maps for the State of California," In *Proceedings: U.S. National Hazard Mitigation Program Review, and International Tsunami Symposium, Seattle, Washington, 7-10 Aug. 2001*. NTHMP Review Session, Paper R-4, 2001, pp 67-81 (3 sample maps, San Francisco Ocean Beach, Santa Barbara, Marina del Rey). Available on a CD-ROM, NOAA, PMEL, Seattle, WA; also online at <http://www.pmel.noaa.gov/its2001/>

Eisner, R.K., "State of California Tsunami 5-Year Review (1997-2001)," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program, Seattle, Washington, Aug. 7-10, 2001*, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 183-186

Eissler, H.K., and H. Kanamori, "A Single-Force Model for the 1975 Kalapana, Hawaii, Earthquake," *Jour. Geophys.*, Vol. 92, 1987, pp 4,827-4,836

Eva, C., and A.B. Rabinovich, "The February 23, 1887 Tsunami Recorded on the Ligurian Coast, Western Mediterranean," *Geophys. Res. Lett.*, Vol. 24, No. 17, 1997, pp 2,211-2,214

*Evaluating Earthquake Hazards in the Los Angeles Region - An Earth-Science Perspective*, ed. J.I. Ziony, U.S. Geological Survey Professional Paper 1360, U.S. Gov't. Printing Office, Wash. D.C., 1985, 505 pp

Evans, F.J., and W.L. Wharton, "On the Seismic Sea Waves Caused by the Eruption of Krakatoa," Part III of *The Eruption of Krakatoa and Subsequent Phenomena*, Royal Society London, 1888, pp 89-150

Everingham, I.B., *A Submarine Slump and Tsunami in the Lae Area of Papua New Guinea, 26 August 1972*, Bur. Miner. Resour. Aust. Rec.: Geology and Geophysics, Canberra, Australia, 1973, No. 20, 14 pp

Everingham, I.B., "Large Earthquakes in the New Guinea-Solomon Islands Area, 1873-1971," *Tectonophysics*, Vol. 23, No. 4, 1974, pp 323-338

Everingham, I.B., *Seismological Report on the Madang*

Egorov, Yu.A., and I.A. Molotkov, "Gardner Equation as the Model of Strong Nonlinear Tsunami Waves," In *International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers*, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, USSR, 1989, pp 21-22

El Alami, S.O., and S. Tinti, "A Preliminary Evaluation of the Tsunami Hazards in the Moroccan Coasts," *Science of Tsunami Hazards*, Vol. 9, 1991, pp 31-38

El-Sabh, M.I., "The Role of Public Education and Awareness in Tsunami Hazard Management," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 277-286

El-Sabh, Mohammed (Obituary), "Obituary, Professor Mohammed El-Sabh, 1939-Feb. 1999," by Philip Hill, *Tsunami Newsletter*, Vol. 30, 1997 Annual (but printed in 1999), p. 27

Enet, Francois, Stephen T. Grilli, and Philip Watts, "Laboratory Experiments for Tsunamis Generated by Underwater Landslides: Comparison with Numerical Modeling," *Proc. Thirteenth (2003) International Offshore and Polar Engineering Conf., Honolulu, HI, USA, May 25-30, 2003*, International Society of Offshore and Polar Engineers, Cupertino, CA, 3, 2003, pp 372-379

Engel, Manfred, and Wilfried Zahel, "Tsunami Propagation in the Pacific Ocean," *Proc. 15th Coastal Engineering Conf., July 11-17, Honolulu, Hawaii*, ed. J.W. Johnson, ASCE, 1977, Vol. 1, Ch. 58, pp 971-987

Engledow, Ed., "Tidal Wave Deaths: They Needn't Have Happened," *Honolulu Star-Bulletin*, HI, 24 May 1960, p. 1-B

Engstrom, Paul, "Why Tsunami Didn't Make a Big Splash," *San Jose Mercury News*, CA, 13 May 1986, p. E1

*ETOPO5 Bathymetry Data*, U.S. National Geophysical Data Center, NOAA, Boulder, CO

*Earthquake of 31 October 1970 and Aftershocks*, Australia, Dept. Minerals and Energy, Rept. 176, Australian Gov't. Publishing Service, Canberra, 1975, 45 pp (tsunami, pp 17-18)

Everingham, I.B., *Tsunamis in Papua New Guinea*, Papua New Guinea, Port Moresby Geophysical Laboratory, *Science in Papua New Guinea*, Vol. 4, No. 1, 1976, pp 10-19

Everingham, I.B., *Preliminary Catalog of Tsunamis for the New Guinea-Solomon Islands Region, 1768-1972*, Report No. 180, Dept. Minerals and Energy, Bur. Miner., Resour.: Geol. and Geophysics, Canberra, Australia, 1977, 85 pp

Everingham, I.B., B. Gaull, and V. Dent, "Effects of a Major Earthquake Near Bougainville, 20 July 1975," *Jour. Australian Geology and Geophysics*, Vol 2, No. 3, 1977, pp 305-310

Everingham, I.B., *Tsunamis in Fiji*, Ministry of Lands, Energy & Mineral Resources, Mineral Resources Dept., Suva, Fiji, Report 62, March 1987, Second Printing, August 1988, 27 pp

- Ewing, Lesley, Costas E. Synolakis, and Donald D. Treadwell, "Coastal Hazard Prevention and Response Evaluation," In *Coastal Engineering 2004: Proc. of the 29th International Conference*, (ICCE 2004), ed. Jane McKee Smith, World Scientific, New Jersey, Vol. 3, 2005, pp 3,011-3,021
- Ewing, M., I. Tolstoy, and F. Press, "Proposed Use of the T-phase in Tsunami Warning Systems," *Bull. Seis. Soc. Amer.*, Vol. 40, 1950, pp 53-58
- Ewing, M., and F. Press, *Tide Gauge Disturbances from the Great Eruption of Krakatoa*, Lamont Geological Obs., Columbia Univ., Palisades, NY, Tech. Rept. 27, 1953, 10 pp
- Examiner News Service, "1,700 Killed by Quake, Wave," (Moro Gulf, Celebes Sea), *San Francisco Examiner*, CA, 17 Aug. 1976, pp 1 and back page
- Examiner News Service, "Fatal Tidal Waves; Mountain Collapsed," (Lomblen Island, Indonesia), *San Francisco Examiner*, CA, 23 July 1979
- Examiner News Service, "8,000 Quake Homeless on Indonesia Isle," *San Francisco Examiner*, CA, 13 Sept. 1979
- Examiner News Service, "Wave Alert Routs Thousands," *San Francisco Examiner*, CA, 8 May 1986, p. A-1 and A-4
- Farah, Douglas, "Tidal Waves Kill 86 in Nicaragua," *The Washington Post*, Wash. D.C., 3 Sept. 1992, pp A1 and A40
- Farley, Maggie, and Dexter Filkins, "Tsunami Stole a Generation. Most Confirmed Dead, Missing, are Children," *San Francisco Chronicle*, CA, 21 July 1998, pp A1 and A9
- Farraar, Paul C., and James R. Houston, *Tsunami Response of Barbers Point Harbor, Hawaii*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, WES Misc. Paper HL -82-1, Oct. 1982, 136 pp
- Farreras, Salvador F., "Tsunami Resonant Conditions of Conception Bay (Chile)," *Marine Geology*, Vol. 1, No. 4, 1978, pp 355-360
- Farreras, Salvador F., and Antonio J. Sanchez, "Generation, Wave Form, and Local Impact of the Fellows, Ron, "All Kona Hotels Damaged, Beach Areas Evacuated," *Honolulu Star-Bulletin*, HI, 23 May 1960
- Felton, E.A., K.A. Crook, B.H. Keating, "The Hulopoe Gravel, Lanai, Hawaii: New Sedimentology Data and Their Bearing on the 'Giant Wave' (Mega-Tsunami) Emplacement Hypothesis," *Landslides and Tsunamis*, eds. B.H. Keating, C.F. Waythomas, and A.G. Dawson, *Pure and Applied Geophys.*, Vol. 157, 2000, pp 1,257-1,313
- FEMA, *Are You Ready: Tsunamis, An In-depth Guide to Citizen Preparedness*, update 28 January 2005, 3 pp printout  
<http://www.fema.gov/areyouready/tsunamis.shtm>
- Fenton, John C., "Numerical Methods for Nonlinear Waves," In *Advances in Coastal and Ocean Engineering*, ed. Philip L.-F. Liu, Vol. 5, World Scientific Pub. Co. Pte. Ltd., Singapore, Vol. 5, 1999, pp 241-324
- Fernandez, Mario, Jens Havskov, and Kuvvet Atakan, "Destructive Tsunamis and Tsunami Warning in Central America," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 173-185
- September 19, 1985 Mexican Tsunami," *Science of Tsunami Hazards*, Vol. 5, No. 1, 1987, pp 3-13
- Farreras, Salvador F., and G. Pararas-Carayannis, eds., *Natural and Man-Made Coastal Hazards, International Conference, August 15-20, 1988: Proceedings*, Ensenada, Baja California, Mexico, and San Diego, CA, U.S.A., printed by support of National Council on Science and Technology (CONACyT) of Mexico, 1989, 250 pp
- Farreras, Salvador F., and Antonio J. Sanchez, "The Tsunami Threat on the Mexican West Coast: A Historical Analysis and Recommendations for Hazard Mitigation," *Natural Hazards*, Vol. 4, Nos. 2 & 3, 1991, pp 301-316
- Farreras, Salvador F., and Jorge Reyes, "Tsunami Response Simulation at Guadalupe Island (Mexico)," In *Recent Advances in Marine Science and Technology*, 1992, ed. Narendre Saxena, PACON International, 1993, pp 87-95
- Farreras, Salvador, and Modesto F. Ortiz, "Vulnerability Assessment and Prevention Measures for Tsunami Flooding of Urban Areas and Industrial Ports of Mexico," In *21st International Tsunami Symposium, Sapporo, Japan, July 9-10, 2003, IUGG XXIII General Assembly: Abstracts*, p. B.145  
<http://www.jamstec.go.jp/jamstec-e/iugg/abstract/main.html>
- Federal Emergency Management Agency (FEMA), *Design and Construction Manual for Residential Buildings in Coastal High Hazard Areas*, Federal Insurance Administration, Washington D.C., prepared by Dames & Moore, FIA-7, January 1981, 187 pp
- Federal Emergency Management Agency (FEMA), Mitigation Directorate, *Multi Hazard Identification and Risk Assessment. The Cornerstone of the National Mitigation Strategy*, prepared in support of the International Decade for Natural Disaster Reduction, 1997, 369 pp (Ch.17, pp 206-213, "Tsunami Events")
- Federal Emergency Management Agency (FEMA), *Coastal Construction Manual - Principles and Practices of Planning, Siting, Designing, Constructing, and Maintaining Residential Buildings in Coastal Areas*, 3rd edition, 3 vol. (FEMA 55), 2000
- Field, M.E., and B.D. Edwards, "Submarine Landslides in a Basin and Ridge Setting, Southern California," In *Submarine Landslides; Selected Studies in the U.S. Exclusive Economic Zone*, U.S. Geological Survey Bulletin, 2001, pp 176-183
- Filice, Francis P., "Tsunami: Destructive Ocean Waves," *California Academy of Sciences, Pacific Discovery*, Vol. 12, No. 5, 1959, pp 20-23
- Filloux, J.H., "Bourdon-tube Deep-sea Tide Gauges," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 223-238
- Filloux, J.H., "Tsunami Recorded on the Open Ocean Floor," *Geophys. Res. Lett.*, Vol. 9, No. 1, 1982, pp 25-28; also *Tsunami Newsletter*, Vol. 15, No. 2, Aug. 1982, pp 1-9
- Filonov., A.E., "Tsunami Waves on the Shelf Near the West Coast of Mexico (October 9, 1995)," *Izv. Atmos. Oceanic Phys.*, Vol. 35, 1999, pp 370-380
- Financial Times Editorial, "Prosperity, Aid and the

- Tsunami. Poverty Leaves Communities Vulnerable to Natural Disasters," *Financial Times*, 31 Dec. 2004/ 1 Jan. 2005, p. 8
- Financial Times International Staff, "Quake Toll at 125,000 as \$500m is Pledged," *Financial Times*, 31 Dec. 2004/ 1 Jan. 2005, pp. 1
- Finch, R.H., "On the Prediction of Tidal Waves," *Proceedings, Pan-Pacific Science Congress, 1923, Australia*, Vol. 2, 1924, pp 1,366-1,368; also in *Monthly Weather Review*, Vol. 52, 1924, pp 147-148
- Fine, I., A. Rabinovich, E. Kulikov, R. Thomson, and B. Bornhold, "Numerical Modelling of Landslide-generated Tsunamis with Application to the Skagway Harbor Tsunami of November 3, 1994," *International Conference on Tsunamis, Paris, France, May 26-28, 1998*, Publication CEA-LDG, BP12, 91680 Bruyeres-le-Chatel, France, 1999, pp 211-223
- Fine, Isaak V., Evgueni A. Kulikov, Richard E. Thomson, and Alexander B. Rabinovich, "Modelling of Tsunami Generation by Submarine and Subaerial Landslides," In *International Tsunami 2001 Proceedings, Seattle, Washington, 7-10 Aug. 2001*, Session 6, No. 6-3, p. 663 (abstract)  
<http://www.pmel.noaa.gov/its2001/>
- Finkl, Charles W., Jr., ed., *Coastal Hazards: Perception, Susceptibility and Mitigation*, Special Issue No. 12 of *Journal of Coastal Research*, 1994, 372 pp
- Finn, W.D. Liam, "Landslide-generated Tsunamis: Geotechnical Considerations," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,879-1,894
- Finz, Stacy, Leslie Fulbright, and Jaxon Van Derbeken, "7.0 Quake Shakes Up North Coast. Crescent City Residents Flee After Tsunami Warning," *San Francisco Chronicle*, CA, 15 June 2005, pp A1 and A11
- Finzi-Contini, G., "Theoretical and Experimental Tsunamiogenic Models to Study Inland Active Geosstructures," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 55-62
- Fitch, T.J., "Plate Convergence, Transcurrent Faults and Internal Deformation Adjacent to Southeast Asia and the Western Pacific," *Jour. Geophys. Research*, Freeman, G.E., W.H. Rahmeyer, and R.R. Copeland, *Determination of Resistance due to Shorts and Woody Vegetation*, U.S. Army Corps of Engineers Research and Development Center, Vicksburg, MS, Rept. ERDC/CHL TR-00-25, 2000
- Freeman, J.C., and B. Le Mehaute, "Wave Breakers on a Beach and Surges on a Dry Bed," *Jour. of the Hydraulics Div., Proc ASCE*, Vol. 90, No. HY2, March 1964, pp 187-216
- Freyer, Gerald J., Philip Watts, and Lincoln F. Pratson, "Source of the Great Tsunami of 1 April 1946: A Landslide in the Upper Aleutian Forearc," *Marine Geology*, Vol. 203, 2004, pp 201-218
- Fritz, Hermann M., Willi H. Hager, and Hans-Erwin Minor, "Lituya Bay Case: Rockslide Impact and Wave Run-up," *Science of Tsunami Hazards*, Vol. 19, No. 1, 2001, pp 3-22
- Fritz, Hermann M., and Paul C. Liu, "An Application of Wavelet Transform Analysis to Landslide-generated Impulse Waves," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001, Sept. 2-6, 2001, San Francisco, CA*, eds. B.L. Vol. 77, 1972, pp 4,432-4,460
- Fitzgerald, Mark, "Tsunami Workshop Advances Rebuilding and Recovery Strategies," (Indian Ocean/Sumatra tsunami of 26 Dec. 2004), *ASCE News*, Vol. 30, No. 2, Feb. 2005, pp 1 and 3
- Fleming, J.G., R.A. Walters, L.P. Sue, and R.I. Nokes, "Experimental Design for Solid Block and Granular Submarine Landslides: A Unified Approach," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Flinn, John, "Thailand Idyll Idle as Crowds Stay Away. Once Crowded Islands Devastated by Tsunami now Offering Rare Opportunity to Taste an Uncrowded Paradise at Budget Rates," *San Francisco Chronicle*, CA, 26 June 2005, pp E1, E6, and E7
- Floretin, J.M., et al., "Impacts, Tsunamis, and the Haitian Cretaceous Tertiary Boundary Layer," *Science*, Vol. 252, No. 5013, 21 June 1991, pp 1,690-1,691
- Foley, Gary, "June 2, 1994 Tsunami in Australia," *Tsunami Newsletter*, Vol. 27, No. 1, 1995, pp 9-10
- Foley, Robert E., "Tidal Waves - Crescent City, California," *Shore and Beach*, Vol. 32, No. 1, April 1964, p. 28
- Forsythe, G.E., and W.R. Wasow, *Finite Difference Methods for Partial Differential Equations*, Wiley & Sons, Co., New York, 1960
- Foster, I.D.L., A.G. Dawson, S. Dawson, J.A. Lees, and L. Mansfield, "Tsunami Sedimentation Sequences in the Scilly Isles, South-west England," *Science of Tsunami Hazards*, Vol. 11, No. 1, 1993, pp 35-46
- Francis, Theo, Kemba J. Dunham, and Alex Frangos, "New 'Fortified' Homes Aim to Withstand Nature's Assaults," *Wall Street Journal*, 23 Nov. 2005, pp B1 and B6
- Fraser, George D., Jerry P. Eaton, and Chester K. Wentworth, "The Tsunami of March 9, 1957, on the Island of Hawaii," *Bulletin of the Seismological Society of America*, Vol. 49, Jan. 1959, pp 79-90
- Edge and J.M. Hemsley, *ASCE*, Vol. 2, 2002, pp 1,477-1,486
- Fritz, H.M., W.H. Hager, and H.-E. Minor, "Near Field Characteristics of Landslide Generated Impulse Waves," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 130, No. 6, Nov./Dec. 2004, pp 287-310
- Fritz, Lynn, "On the Record: Lynn Fritz," *San Francisco Chronicle*, CA, 27 March 2005, pp B1 and B3
- Fryer, G., "Hawaiian Tsunamis and Small Submarine Landslides," *EOS, Trans., Amer. Geophys. Union*, Vol. 77, No. 46, 1966, Fall Meeting Supplement, p. F511
- Fryer, G.J., and P. Watts, "The 1946 Unimak Tsunami: Near-source Modeling Confirms a Landslide," *EOS, Trans., Amer. Geophys. Union*, Vol. 81, No. 48, 2000, pp F748-F749 (abstract)
- Fryer, Gerard, "Tsunami Modelling of Landslide Sources Workshop," *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, p. 12
- Fryer, Gerard J., Philip Watts, and Lincoln F.

- Pratson, "Source of the Great Tsunami of 1 April 1946: A Landslide in the Upper Aleutian Forearc," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 201-218
- Fujima, K., R. Dozono, and T. Shigemura, "Generation and Propagation of Tsunami Accompanying Edge Waves on a Uniform Sloping Shelf," *Coastal Eng. Jour.*, Vol. 42, 2000, pp 211-236
- Fukao, Y., "Thrust Faulting at a Lithosphere Plate Boundary - The Portugal Earthquake of 1969," *Earth and Planet. Science Lett.*, Vol. 18, 1973, pp 205-216
- Fukao, Y., "Tsunami Earthquakes and Subduction Processes Near Deep-Sea Trenches," *Jour. Geophys. Res.*, Vol. 84, 1979, pp 2,303-2,314
- Fukuchi, Tatsuma, and Koji Mitsuhashi, "Tsunami Countermeasures in Fishing Villages Along the Sanriku Coast, Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 389-396
- Fukui, Yoshiro, et al., "Hydraulic Study on Tsunami Action Against Dike and on the Preservation of Dikes," *Bull. Agricultural Engineering Research Station*, Ministry of Agriculture and Forestry, Japan, No. 1, Feb. 1963, pp 281-328
- Fukui, Y., M. Nakamura, H. Shiraishi, and Y. Sasaki, "Hydraulic Study on Tsunami," *Coastal Engineering In Japan*, Tokyo, Vol. 6, 1963, pp 67-82
- Fukuuchi, H., and Y. Ito, "On the Effect of Breakwaters Against Tsunami," *Proc. Tenth Conf. Coastal Engrg.*, Sept. 1966, ed. J.W. Johnson, ASCE, Ch. 47, 1967, pp 821-839
- Fuller, J.D., and L.A. Mysak, "Edge Waves in the Presence of an Irregular Coastline," *Jour. Phys. Oceanogr.*, Vol. 7, 1977, pp 846-855
- Funakoshi, M., "Reflection of Obliquely Incident Solitary Waves," *J. Phys. Soc. Japan*, Vol. 49, 1980, pp 2,371-2,379
- Furumoto, Augustine S., *Source Mechanism Study of the Alaska Earthquake and Tsunami of 27 March 1964. Part II. Analysis of Rayleigh Wave*, Hawaii Inst. Galvin, C.J., "Finite-Amplitude, Shallow Water-Waves of Periodically Recurring Form," *Proc. of the Symposium on Long Waves*, Univ. of Delaware, Newark, DE, Sept. 10-11, 1970, pp 1-32. Also, Reprint R.2-72, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Sept. 1970, 32 pp
- Galvin, Cyril, "Transformation of Swell Over a Reef: Solitons," *Shore & Beach*, Vol. 58, No. 3, July 1990, p. 31
- Gan, Zi Jun, and C.C. Tung, "Probability Distribution of the Murty-Loomis Tsunami Magnitude," *Marine Geodesy*, Vol. 6, Nos. 3-4, 1983, pp 293-301
- Ganse, R.A., and J. B. Nelson, *Catalog of Significant Earthquakes, 2000 BC to 1979*, World Data Center A for Solid Earth Geophysics, Boulder, CO, 1981, 168 pp
- Ganz, Stephen, and Theresa Traynor, compilers, *Tsunami Hazard Mitigation Symposium Proceedings, Ocean Pointe Resort, Victoria, BC, Canada, Nov. 4, 1997*, Western States Seismic Policy Council, Palo Alto, CA, 1998, 78 pp
- Garcia, Andrew W., and James R. Houston, *Type 16 Flood Insurance Study: Tsunami Predictions for Geophysics*, Univ. Hawaii, Honolulu, HI, HIG-65-17, Dec. 1965, pp 31-42
- Furumoto, A.S., "Ionospheric Recordings of Rayleigh Waves for Estimating Source Mechanisms," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 119-133
- Furumoto, A.S., and S. Yoshida, "Fast Determination of Tsunami Generation Mechanism," *Pacon '90: Proc. 4th Pac. Congress Marine Sci. Tech.*, 1990, Vol. 1, pp 151-155
- Furumoto, Augustine S., "Source Parameters of Destructive Tsunamis," *Science of Tsunami Hazards*, Vol. 9, No. 2, 1991, pp 95-114
- Furumoto, Augustine S., "Expectation of Destructive Far-field Tsunamis from the Aleutian-Alaska Subduction Arc," *Science of Tsunami Hazards*, Vol. 11, No. 1, 1993, pp 7-21
- Furumoto, A.S., "Three Deadly Tsunamis in One Year," *Science of Tsunami Hazards*, Vol. 11, 1993, pp 111-121
- Furumoto, Augustine S., Hidee Tatehata, and Chiho Morioka, "Japanese Tsunami Warning System," *Science of Tsunami Hazards*, Vol. 17, No. 2, 1999, pp 85-106
- Galanopoulos, A.G., "The Seismic Sea-wave of 9th July 1956," *Praktika Akademias Athenon*, Athens, Vol. 32, 1957, pp 90-101
- Galanopoulos, A.G., "Tsunamis Observed on the Coasts of Greece from Antiquity to Present Times," *Annali di Geofisica*, Rome, Vol. 13, Nos. 3-4, 1960, pp 371-386
- Galkin, V.M., V.I. Golin'ko, V.I. Malizhenkova, N.R. Mirchina, and E.N. Pelinovsky, "Propagation of Tsunami Waves Generated by Elliptical Sources," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 149-152
- Galvin, C.J., "Resonant Edge Waves on Laboratory Beaches," *Trans., Amer. Geophys. Union*, Vol. 46, 1965, Abstract #072, p. 112
- Monterey and San Francisco Bays, and Puget Sound*, U.S. Army Corps of Engineers, Waterways Experiment Station, Hydraulics Laboratory, Vicksburg, MS, Tech. Rept. H-75-17, Nov. 1975, 263 pp
- Garcia, Andrew W., *Effect of Source Orientation and Location in the Peru-Chile Trench on Tsunami Amplitude Along the Pacific Coast of the Continental United States*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Res. Rept. No. WES-RR-H-76-2, Sept. 1976, 48 pp
- Garcia, A.W., and J.R. Houston, "Tsunami Run-up Predictions for Southern California Coastal Communities, USA," In *Tsunami Research Symposium 1974*, Wellington, N.Z., 29 Jan.-1 Feb. 1974., eds. R.A. Heath and M.M. Cresswell, Bull. Roy. Soc. New Zealand, No. 15, and UNESCO, 1976, pp 5-17
- Garcia, A.W., and H.L. Butler, "Numerical Simulation of Tsunamis Originating in the Peru-Chile Trench," In *Proc. 15th Conference in Coastal Engineering*, July 11-17, 1976, Honolulu, Hawaii, ed. J.W. Johnson, ASCE, 1977, Vol. 1, Ch. 61, pp 1,025-1,043
- Garcia, William J., Jr., *A Study of Water Waves Generated by Tectonic Displacements*, University of California, Berkeley, CA, Ph.D. Thesis; also

- Hydraulic Engineering Laboratory Tech. Report HEL 16-9, 1972, 114 pp
- Garcia, William J., Jr., "Simulation of Tsunami Generation by Computer Model," In *Symposium on Tsunamis, Ensenada, Baja, California, March 23-25, 1977: Proceedings*; printed by Marine Environmental Data Service, Dept. of Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Report Series No. 48, 1978, pp 52-54
- Gardiner, Beth, (Associated Press), "U.S. Troops to Leave Indonesia," *USA Today*, 21 Jan. 2005, p. 11A
- Gardner, C.S., J.M. Greene, M.D. Kruskal, and R.M. Miura, "Method for Solving the Korteweg-de Vries Equation," *Phys. Rev. Lett.*, Vol. 19, 1967, pp 1,095-1,095
- Gardner, C.S., J.M. Greene, M.D. Kruskal, and R.M. Miura, "Korteweg-de Vries Equation and Generalizations. VI. Methods for Exact Solutions," *Comm. Pure Appl. Math.*, Vol. 27, 1974, pp 97-133
- Gardner-Taggart, J.M., and R.F. Barminski, Jr., "Short Period Wave Generation in Moss Landing Harbor Caused by Offshore Landslides Induced by the Loma Prieta Earthquake," *Geophys. Res. Lett.*, Vol. 18, No. 7, 1991, pp 1,277-1,280
- Garfunkel, Z., "Large-scale Submarine Rotational Slumps and Growth Faults in the Eastern Mediterranean," *Marine Geology*, Vol. 55, 1984, pp 305-324
- Garrett, C.J.R., "Tides in Gulfs," *Deep Sea Research*, Vol. 22, 1975, pp 23-25
- Geist, E.L., "Local Tsunamis and Earthquake Source Parameters," In *Tsunamigenic Earthquakes and Their Consequences, Advances in Geophysics*, eds. R. Dmowska and B. Saltzman, *Advances in Geophysics*, Vol. 39, 1998, pp 117-209
- Geist, E.L., and R. Dmowska, "Local Tsunamis and Distributed Slip at the Source," *Pure and Appl. Geophys.*, Vol. 154, Nos. 3/4, 1999, pp 485-512
- Geist, E.L., "Origin of the 17th July 1998 Papua New Guinea Tsunami: Earthquake or Landslide?," *Seismol. Res. Lett.*, Vol. 71, 2000, pp 344-351; "Reply" by Gill, D., "The Great Tidal Wave - South Africa," *Nature*, Vol. 28, 1883, pp 626-627
- Gilmour, A.E., "Tsunami Warning Charts," *New Zealand Jour. Geol. Geophys.*, Vol. 4, 1961, pp 132-135
- Gima, Craig, "Air Guard Cherishes Protective Mission," *Honolulu Star-Bulletin*, HI, 3 Feb. 2005, p. A3
- Gisler, Galen, Robert Weaver, Charles Mader, and Michael L. Gittings, "Two- and Three-Dimensional Simulations of Asteroid Ocean Impacts," *Science of Tsunami Hazards*, Vol. 21, No. 2, 2003, pp 119-134
- Gjevik, B., G. Pederson, E. Dybesland, P.M. Miranda, M.A. Baptista, P. Heinrich, and B. Massinon, "Modelling Tsunamis from Earthquake Sources near Gorringe Bank Southwest of Portugal," *Jour. Geophys. Res.*, Vol. 102, No. C13, 1997, pp 27,931-27,949
- Gjumagaliev, V.A., and A.B. Rabinovich, "Long-wave Investigation at the Shelf and in the Bays of South Kuril Islands," *J. Korean Soc. Coastal and Ocean Eng.*, Vol. 5, 1993, pp 318-328
- Global Relief CD-ROM*, U.S. National Geophysical Data Center, Boulder, CO
- E.L. Geist to Comment by E.A. Okal and C.E. Synolakis (2001) on this paper, in Vol. 72, 2001, pp 367-372
- Geist, E.L., and S.L. Bilek, "Effect of Depth-dependent Shear Modulus on Tsunami Generation Along Subduction Zones," *Geophys. Res. Lett.*, Vol. 28, 2001, pp 1,315-1,318
- Geist, E.L., "Complex Earthquake Rupture and Local Tsunamis," *Jour. Geophys. Res.*, Vol. 107, No. B5, 10 May 2002, pp ESE 2-1 to 2-16
- Geist, Eric L., *Local Tsunami Hazards in the Pacific Northwest from Cascadia Subduction Zone Earthquakes*, U.S. Geological Survey, Professional Paper 1661-B, 3 Jan. 2005, 17 pp
- Gelfenbaum, G., and B. Jaffe, "Erosion and Sedimentation from the July 17, 1998, Papua New Guinea Tsunami," *Pure and Applied Geophysics*, Vol. 160, Nos. 10/11, 2003, pp 1,969-1,999
- Geller, R.J., "Scaling Relations for Earthquake Source Parameters and Magnitudes," *Bull. Seis. Soc. Amer.*, Vol. 66, No. 5, 1976, pp 1,501-1,523
- Gerritsen, Frans, and Feyza Yucel, "Tsunami Runup in Coastal Regions," In *Natural and Man-Made Coastal Hazards, International Conference, Aug. 15-20, 1988: Proceedings*, at Ensenada, Baja California, Mexico, and San Diego, CA, U.S.A., eds. S.F. Farreras and G. Pararas-Carayannis, 1989, pp 166-171
- Gibbs, Jeremy G., and John Aburn, *Shoreline Fluctuations and an Assessment of a Coastal Hazard Zone Along Pauanui Beach, Eastern Coromandel Peninsula, New Zealand*, New Zealand National Water and Soil Conservation Authority, Water & Soil Tech. Pub. No. 27, 1986, 48 pp
- Gica, E., *A Study on the 1992 Flores Indonesia Earthquake Tsunami; Numerical Model on the Wave Generated due to Landslide*, Masters Thesis, Asian Institute of Technology, 1994, 67 pp
- Gilmour, A.E., "Tsunami Warning Charts," *New Zealand Jour. of Geology and Geophysics*, Vol. 4, No. 2, 1961, pp 132-135
- Go, Ch., V.M. Kaistrenko, and K.V. Simonov, "A Two-parameter Scheme for Tsunami Hazard Zoning," *Marine Geodesy*, Vol. 9, No. 4, 1985, pp 469-476
- Go, Ch., V.M. Kaistrenko, E.N. Pelinovsky, and K.V. Simonov, "A Quantitative Estimation of Tsunami Hazard and Tsunami Zoning Scheme for the Pacific Coast of the USSR," *Pacific Annual, USSR Academy of Sciences, Far Eastern Branch, Vladivostok*, 1988, pp 7-15
- Golder Associates, *Report to British Columbia Water Resources Service on Investigation of Seawave at Kitimat, B.C.*, Golder Assoc., Vancouver, B.C., Canada, 1975, 9 pp
- Goldfinger, Chris, LaVerne D. Kulm, Lisa C. McNeill, and Phillip Watts, "Super-scale Failure of the Southern Oregon Cascadia Margin," In *Landslides and Tsunamis*, eds. B.H. Keating, C.F. Waythomas, and A.G. Dawson, *Pure and Applied Geophysics*, Vol. 157, 2000, pp 1,189-1,226
- Goldfinger, C., C.H. Nelson, J.E. Johnson, and The Shipboard Scientific Party, "Holocene Earthquake Records from the Cascadia Subduction Zone and Northern San Andreas Fault Based on Precise Dating



- of Offshore Turbidites," *Annual Review of Earth and Planetary Sciences*, Vol. 31, 2003, pp 555-577
- Goldsbrough, G.R., "The Tidal Oscillations in an Elliptic Basin of Variable Depth," *Proc. Royal Soc. (London)*, Series A, Vol. CXXX, 1930, pp 157-167
- Goldsmith, Peter, Alastair Barnett, James Goff, and others, "Report of the New Zealand Reconnaissance Team to the Area of the 17 July 1998 Tsunami at Sissano Lagoon, Papua New Guinea," *Bull. New Zealand Soc. for Earthquake Engineering*, Vol. 32, No. 2, 1999, pp 102-118
- Gonzalez, F.I., E.N. Bernard, H.B. Milburn, D. Castel, J. Thomas, and J.H. Hemsley, "The Pacific Tsunami Observation Program (PacTOP)," In *Proc. 1987 International Tsunami Symposium, IUGG, 1987*, 1987, pp 3-9
- Gonzalez, F.I., C.L. Mader, M.C. Eble, and E.N. Bernard, "The 1987-88 Alaskan Bight Tsunamis: Deep Ocean Data and Model Comparisons," *Natural Hazards*, Vol. 4, No. 1, 1991, pp 119-139
- Gonzalez, F.I., and R.N. Bernard, "The Cape Mendocino Tsunami," *Earthquakes and Volcanoes*, Vol. 23, 1992, pp 135-138
- Gonzalez, F.I., and Ye.A. Kulikov, "Tsunami Dispersion Observed in the Deep Ocean," In *Tsunamis in the World: Fifteenth International Tsunami Symposium, 1991*, ed. Stefano Tinti, Kluwer Acad. Pub., Dordrecht, The Netherlands, 1993, pp 7-16
- Gonzalez, F.I., and E.N. Bernard, "Tsunami Inundation Model Study of Eureka and Crescent City, California, and The Cape Mendocino Tsunami," *Tsunami Newsletter*, Vol. 25, No. 1, July 1993, pp 4-6
- Gonzalez, F., Sutisna, S., P. Hadi, E. Bernard, and P. Winnarso, "Some Observations Related to the Flores Island Earthquake and Tsunami," *Proc. Int. Tsunami Symp. in Wakayama, Japan, 1993*, pp 789-801
- Gonzalez, F.I., E.N. Bernard, and K. Satake, "The Cape Mendocino Tsunami, 25 April 1992," In *Tsunami: Good, J.W., Tsunami Education Planning Workshop Findings and Recommendations*, National Oceanic and Atmospheric Administration (NOAA), Pacific Marine Environmental Laboratory (PMEL), NOAA Tech. Memo. No. ERL PMEL-106, 1995, 39 pp
- Goring, D.C., *Tsunamis: The Propagation of Long Waves onto a Shelf*, Ph.D. thesis, California Institute of Technology, Pasadena, CA; also Keck Lab. of Hydraulics & Water Resources, Rept. No. KH-R-38, Nov. 1978, 335 pp
- Goring, Derek G., and Fredric Raichlen, "Propagation of Long Waves Onto Shelf," *Jour. Waterways, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 118, No. 1, Jan./Feb. 1992, pp 43-61
- Gorshkov, K.A., L.A. Ostrovsky, V.V. Papko, and E.N. Pelinovsky, "Electromodeling of Finite-amplitude Water Waves," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1976, eds. R.A. Heath and M.M. Cresswell, New Zealand Roy. Soc. Bulletin 15, and UNESCO Press, 1976, pp 123-131
- Goto, C., and N. Shuto, "Numerical Simulation of Tsunami Run-ups," *Coastal Eng. in Japan*, JSCE, Japan, Vol. 21, 1978, pp 13-20
- Goto, Ch., "Nonlinear Equation of Long Waves in the Lagrangian Description," *Coastal Engineering in Japan*, JSCE, Japan, Vol. 22, 1979, pp 1-9
- Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 151-158
- Gonzalez, F.I., K. Satake, E.F. Boss, and H.O. Mosfjeld, "Edge Wave and Non-trapped Modes of the 25 April 1992 Cape Mendocino Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 409-426
- Gonzalez, F.I., H. M. Milburn, E.N. Bernard, and J.C. Newman, "Deep-ocean Assessment and Reporting of Tsunamis (DART): Brief Overview and Status Report," In *Proc. Int. Workshop on Tsunami Disaster Mitigation, Tokyo, 1998*, pp 118-129
- Gonzalez, F.I., "Tsunami!," *Scientific American*, Vol. 280, No. 5, 1999, pp 56-65
- Gonzalez, F.I., et al., "The NTHMP Inundation Mapping Program," *Proc. International Tsunami Symposium 2001, Seattle, WA, Aug. 7-10, 2001*, NOAA, Pacific Marine Environmental Lab., on a CD, pp 29-54; also <http://www.pmel.noaa.gov/its2001/>
- Gonzalez, M, and R. Medina, "Probabilistic Model for Tsunami Wave Elevation Along the Alboran Seacoast (Spain)," In *Coastal Engineering 1998: Conference Proceedings, Copenhagen, Denmark, June 22-26, 1998*, ed. Billy L. Edge, ASCE, Vol. 2, 1999, pp 1,168-1,181
- Gonzalez, F.I., et al., "The NTHMP Inundation Mapping Program," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program, Seattle, Washington, Aug. 7-10, 2001*, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 29-54
- Gonzalez, Richard, "California Town Still Scarred by 1964 Tsunami," *1964 Tsunami: Part 2, Tsunami Legacy Lives with People of Crescent City*, National Public Radio (NPR), transcript, 17 Nov. 2005, 5 pp <http://www.npr.org/templates/story/story.php?storyId=5007860>
- Goto, Chiaki, and Nobuo Shuto, "Numerical Simulation of Tsunami Propagation and Run-up," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 439-451
- Goto, Chiaki, and Nobuo Shuto, "Effects of Large Obstacles on Tsunami Inundation," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 511-525
- Goto, C., N. Shuto, and F. Imamura, "Accuracy and Speed of Numerical Simulation as a Means of Tsunami Warning," In *Proc. International Tsunami Symposium*, eds. T.S. Murty and W.J. Rapatz, Inst. Ocean Science, B.C., Canada, 1985, pp 82-87
- Gotoh, Hitoshi, Minoru Hayashi, and Tetsuo Sakai, "Simulation of Tsunami-induced Flood in Hinterland of Seawall by Using Particle Method," *Coastal Engineering 2002; Solving Coastal Conundrums: Proc. 28th International Conf., Cardiff, Wales, 7-12 July 2002*, ed. Jane McKee Smith, World Scientific, New Jersey, Vol. 1, 2003, pp 1,155-1,167
- Gotoh, H., M. Hayashi, and T. Sakai, "Lagrangian Multiphase Flow Model for Debris-flow-induced Tsunami," In *Coastal Engineering 2004: Proc. of the 29th International Conference, (ICCE 2004)*, ed. Jane

- McKee Smith, World Scientific, New Jersey, 2005, pp 1,121-1,133
- Gower, J., "Jason 1 Detects the 26 December 2004 Tsunami," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 4, 25 Jan. 2005, pp 37-38
- Gozali, S., and B. Hunt, "Water Waves Generated by Close Landslides," *Jour. Hydraulic Research*, Vol. 27, No. 1, 1989, pp 49-59
- Grantz, A., G. Plafker, and R. Kachadoorian, *Alaska's Good Friday Earthquake, March 27, 1964: A Preliminary Geologic Evaluation*, U.S. Geological Survey, Geological Circular 491, 1964, 35 pp
- Grauzinis, V.J., *A Broad-frequency-band Wave Study at Monterey Harbor, California*, prepared for the U.S. Army Corps of Engineers, San Francisco, CA, by Marine Advisers, Inc., La Jolla, CA, Rept. A-121a, July 1964, 19 pp
- Grauzinis, V.J., *A Review of the Evidence for the Santa Barbara Coast Tsunami of December 1812*, Marine Advisers, Inc., La Jolla, CA, Rept. A-163C, June 1965
- Graves, William P.E., "Horror Strikes on Good Friday," *National Geographic*, Vol. 126, No. 1, July 1964, pp 112-139
- Green, C.K., "Seismic Sea Wave of April 1, 1946, as Recorded on Tide Gages," *Trans., Amer. Geophys. Union*, Vol. 27, No. 4, Aug. 1946, pp 490-500
- Green, G., "On the Motion of Waves in a Variable Canal of Small Depth and Width," *Cambridge Phil. Soc. Trans.*, Vol. 6, 1838, pp 490-500
- Green, G., "Note on the Motion of Waves in Canals," *Cambridge Phil. Soc. Trans.*, Vol. 7, 1839
- Green, George, "On Group-velocity and on the Propagation of Waves in a Dispersive Medium," *Proc. Roy. Soc. (Edinburgh)*, Vol. 29, 1909, pp 445-470
- Green, G.H., N. Maher, and C.K. Pauli, "Landslides off Santa Barbara, California," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 4, 25 Jan. 2005, pp 37-38
- Grilli, S.T., and R. Subramanya, "Quasi-singular Integrals in the Modeling of Nonlinear Water Waves in Shallow Water," *Eng. Anal. Bound. Elem.*, Vol. 13, 1994, pp 181-191
- Grilli, S.T., R. Subramanya, I.A. Svendsen, and J. Veeramony, "Shoaling of Solitary Waves on Plane Beaches," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 120, No. 6, Nov./Dec. 1994, pp 609-628
- Grilli, S.T., "Fully Nonlinear Potential Flow Models used for Long Wave Runup Prediction," In *Long-wave Runup Models*, eds. H. Yeh, P. Liu, and C. Synolakis, World Scientific, Singapore, 1997, pp 116-180
- Grilli, S.T., I.A. Svendsen, and R. Subramanya, "Breaking Criterion and Characteristics for Solitary Waves on Slopes," *Jour. of Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 123, No. 3, May/June 1997, pp 102-112. Discussions by Fred E. Camfield, and by Ying Li and Fredric Raichlen, and Closure by authors in *Jour. Waterway, Port, Coastal, and Ocean Engineering*, Vol. 124, No. 6, Nov./Dec. 1998, pp 329-335
- Grilli, S.T., and J. Horrillo, "Numerical Generation and Absorption of Fully Nonlinear Periodic Waves," *Jour. Eng. Mech.*, Vol. 123, No. 10, 1997, pp 1,060-1,069
- Geophysical Union*, Fall Meeting, 15-19 Dec. 2000, San Francisco, CA, Abstract, Vol. 81, 2000, p. F750
- Green, R., "The Sweep of Long Water Waves Across the Pacific Ocean," *Australian Jour. of Physics*, Melbourne, Vol. 14, No. 1, 1961, pp 120-128
- Greenless, Donald, Kate Linebaugh, and Martin Fackler, "Indonesia Awash with Aid, But It's Circulating in a Trickle," *The Wall Street Journal*, 3 Jan. 2005, pp A1 and A6
- Gregory, J.W., "The Earthquake off the Newfoundland Banks of 18 November 1929," *Geog. Journal*, Royal Geog. Soc. London, Vol. 77, No. 1, 1931, pp 123-134
- Griffin, Wallace, *Crescent City's Dark Disaster*, March 27-28, 1964, Crescent City Printing Co., Crescent City, CA, 1964, 66 pp (many photos, and quotes from residents)
- Grigorash, Z.K., and L.A. Korneva, "Tsunami Waves Accompanying the Anapa Earthquake of July 12, 1966," *Oceanology*, Vol. 9, 1969, pp 793-798
- Grigorash, Z.K., and L.A. Korneva, "New Data About the Black Sea Tsunami of December 26, 1939," *International Tsunami Information Center Newsletter*, Vol. 3, No. 3, 30 Sept. 1970, pp 1-4
- Grigorash, Z.K., and L.A. Korneva, "An Estimation of Tsunami Energy During the Anapa Earthquake of July 12, 1966, Taking Wave Refraction into Consideration," *Atmos. Oceanic Phys.*, Vol. 6, 1970, pp 715-719
- Grigorash, Z.K., and L.A. Korneva, "Wave-field Charts and Energy of Tsunamis in the Black Sea," *Atmos. Oceanic Phys.*, Vol. 78, 1972, pp 320-323 (translated from Russian by the American Geophysical Union)
- Grilli, Stephan T., Miguel A. Losada, and Francisco Martin, "Characteristics of Solitary Wave Breaking Induced by Breakwaters," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 120, No. 1, Jan./Feb. 1994, pp 74-92
- Grilli, S.T., and P. Watts, "Modeling of Waves Generated by a Moving Submerged Body: Application to Underwater Landslides," *Engrg. Analysis with Boundary Elements*, Vol. 23, No. 8, 1999, pp 645-656
- Grilli, S.T., Sylvia Vogelmann, and Philip Watts, "Landslide Tsunami Amplitude Prediction in a Numerical Wave Tank," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001, Sept. 2-6, 2001, San Francisco, CA*, eds. B.L. Edge and J. M. Hemsley, ASCE, Vol. 2, 2002, pp 1,495-1,504
- Grilli, S.T., and P. Watts, "Modeling of Tsunami Generation by an Underwater Landslide in a 3D Numerical Wave Tank," *Proc. 11th International Offshore and Polar Engrg. Conf., Stavanger, Norway, 2001*, Vol. 3, pp 132-139
- Grilli, S.T., P. Watts, and F. Dias, "Numerical and Experimental Modelling of Tsunamis Generated by Underwater Landslides," *Euro. Geophys. Soc., 26th General Assembly, Nice, France, 2001*
- Grilli, S.T., S. Vogelmann, and P. Watts, "Development of a 3D Numerical Wave Tank for Modeling Tsunami Generation by Underwater Landslides," *Eng. Anal. Bound. Elem.*, Vol. 26, No. 4, 2002, pp 301-313

- Grilli, Stephan T., and Philip Watts, "Tsunami Generation by Submarine Mass Failure. I: Modeling, Experimental Validation, and Sensitivity Analyses," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 131, No. 6, Nov./Dec. 2005, pp 283-297
- Grimshaw, R., "The Solitary Wave in Water of Variable Depth. Part 2," *Jour. Fluid Mech.*, Vol. 46, Part 3, 13 April 1971, pp 611-622
- Grindlay, N.R., M. Hearne, and P. Mann, "High Risk of Tsunami in the Northern Caribbean," *EOS, Transactions, Amer. Geophys. Union*, Vol. 86, No. 12, 22 March 2005, pp 121 and 126
- Griswold, G.M., "Numerical Calculation of Wave Refraction," *Jour. Geophys. Res.*, Vol. 68, 1963, pp 1,715-1,723
- Grosvenor, Gilbert, "The Hawaiian Islands," *The National Geographic Magazine*, Vol. 45, No. 2, Feb. 1924, pp 115-238 (tsunami, pp 183, 207, 212)
- Groves, Gordon W., "On Dissipation of Tsunamis and Barotropic Motions," *Jour. Marine Research*, Vol. 22, No. 3, 1964, pp 251-258
- Groves, Gordon W., and Robert R. Harvey, *Representation of Nearshore Distortion of Tsunamis by Bilinear Operators*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept No. HIG-67-4, March 1967, 23 pp and figures (total, 33 pp)
- Guibourg, S., P. Heinrich, and R. Roche, "Numerical Modeling of the 1995 Chilean Tsunami, Impact on French Polynesia," *Geophysical Research Letters*, Vol. 24, No. 7, 1997, pp 775-778
- Guidoboni, W., and S. Tinti, "A Review of the Historical 1627 Tsunami in the Southern Adriatic," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 11-16
- Guidoboni, W., and S. Tinti, "The Largest Historical Tsunamis in the Northern Adriatic Sea: A Critical Gusiakov, Viacheslav K., "NGDC/HTDB Meeting on the Historical Tsunami Database Proposal," *Tsunami Newsletter*, Vol. 35, No. 4, Aug. 2003, p. 10
- Gutenberg, B., C.F. Richter, and H.O. Wood, "The Earthquake in Santa Monica Bay, California on August 30, 1930," *Bull. Seis. Soc. Amer.*, Vol. 22, 1932, pp 138-154
- Gutenberg, B., "Tsunamis and Earthquakes," *Seismol. Soc. Amer. Bull.* Vol. 29, No. 4, Oct. 1939, pp 517-526
- Gutenberg, B., and C.F. Richter, *Seismicity of the Earth*, facsimile of 2nd edition (1954), Hafner Publishing Co., New York, 1965, 310 pp (tsunamis, pp 94-97)
- Guza, R.T., "Finite-Amplitude Edge Waves," *Jour. Marine Res.*, Vol. 34, No. 1, 1976, pp 269-293
- Guza, R.T., and R.E. Davis, "Excitation of Edge Waves by Waves Incident on a Beach," *Jour. Geophys. Res.*, Vol. 79, No. 9, March 1974, pp 1,285-1,291
- Haas, J.E., "Human Response to the Tsunami Warning System," *Proc. of the Symposium on Tsunamis*, Man. Rep. Series No. 48, Dept. Fisheries and the Environment, Ottawa, Canada, 1978, pp 224-235
- Habegger, Larry, "Thai Resorts Test New Tsunami Review," *Science of Tsunami Hazards*, Vol. 7, No. 1, 1989, pp 45-54
- Guidoboni, W., and S. Tinti, "The 4 February 1169 Tsunami in Eastern Sicily, Italy," *Ann. Geophys.*, 1990, p. 333
- Gusiakov, Slava, and George Curtis, "In Memory of Professor Sergei Soloviev (1930-1994)," *Tsunami Newsletter*, Vol. 26, No. 1, July 1994, pp 1-2
- Gusiakov, V.K., "Investigation of Rayleigh Wave Spectra for a Set of Tsunamigenic and Nontsunamigenic Earthquakes," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 25-36
- Gusiakov, V.K., ed., *Tsunamis: Their Science and Hazard Mitigation: Proceedings of the International Tsunami Symposium, July 31-August 3, 1989, Novosibirsk, USSR*, Computing Center, Siberian Division, USSR Academy of Sciences, 47 Extended Abstracts (76 papers were presented, oral or poster), 1990, 297 pp
- Gusiakov, V.K., An. G. Marchuk, and A.V. Osipova, "Expert Tsunami Database for the Pacific: Motivation, Design, and Proof-of-Concept Demonstration," In *Perspectives of Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 21-34
- Gusiakov, Viacheslav K., "Two Great Kamchatka Tsunamis, 1737 and 1952," *The Fourth International Congress on Earth Sciences, Santiago, Chile, August 7-11, 2000*, <http://www.igm.cl>
- Gusiakov, V.K., "'Red,' 'Green,' and 'Blue' Tsunamigenic Earthquakes and Their Relation With Conditions of Oceanic Sedimentation in the Pacific," In *Tsunami Research at the End of a Critical Decade*, ed. by Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 17-32
- Sirens," *San Francisco Chronicle*, CA, 4 Dec. 2005, p. F2
- Habercom, Guy E., Jr. (editor), *Tsunamis. Bibliography with Abstracts: Search Period Covered, 1964-November 1977*, National Technical Information Service, U.S. Dept. of Commerce, NTISearch, NTIS/PS-77/1165, Dec. 1977, 193 pp
- Habib, Pierre, *Report of Mr. Pierre Habib, Referee - Expert on the Accident of the Port of Nice, 16th of October 1979*, of Conseil General des Ponts et Chaussees, France, transmitted by Guy Lengagne to H.B. Seed, report dated 21 June 1983, 51 pp and 3 appendices
- Haeseler, Rob, "Big Offshore Earthquake Shakes Up North Coast," *San Francisco Chronicle*, CA, 2 Sept. 1994, pp A1 and A19
- Hagemeyer, Richard H., "Twelfth Session of the International Coordinating Group, Tsunami Warnings System in the Pacific (IOC/ITSU), Novosibirsk, USSR, 7-10 August 1989. Meeting Report," *Natural Hazards*, Vol. 4, Nos. 2 & 3, 1991, pp 317-319
- Hagemeyer, Richard, "Tsunami Hazard Mitigation," In *Tsunami Hazard Mitigation Symposium Proceedings*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, 1998, pp 27-33

- Hagemeyer, Richard "Dick," 1924-2001, Obituary, by Anon., *Tsunami Newsletter*, Vol. 33, No. 5, Nov. 2001, p. 1
- Hall, Carl T., "Location, Type of Trembler Made it Safer," *San Francisco Chronicle*, CA, 15 June 2005, p. A11
- Hall, Capt. D.C., "The Wreck of the USS De Soto," *Proceedings of the United States Naval Institute*, Vol. 43, 1917, pp 1,151-1,160
- Hamilton, T.S., "The Foreslope Hills of the Fraser Delta: Implications for Tsunamis in Georgia Strait," *Science of Tsunami Hazards*, Vol. 5, No. 1, 1987, pp 15-33
- Hamilton, Warren, "Subduction in the Indonesian Region," *Island Arcs, Deep Sea Trenches and Back-Arc Basins*, Maurice Ewing Series, American Geophysical Union, 1977, pp 15-31
- Hammack, J.L., Jr., *Tsunamis; A Model of Their Generation and Propagation*, Ph.D. thesis, California Institute of Technology, Pasadena, CA; also W.M. Keck Lab. of Hydraulics and Water Resources, Rept. No. KH-R-28, June 1972
- Hammack, Joseph L., Jr., and Fredric Raichlen, "Tsunami Generation and Propagation," *Proc. 13th Coastal Engineering Conf.*, July 10-14, 1972, Vancouver, B.C., Canada, ed. J.W. Johnson, ASCE, 1973, pp 2,589-2,608
- Hammack, J.L., "A Note on Tsunamis: Their Generation and Propagation in an Ocean of Uniform Depth," *Jour. Fluid Mechanics*, Vol. 60, Part 4, 1973, pp 769-799
- Hammack, Joseph L., and Harvey Segur, "The Korteweg-de Vries Equation and Water Waves. Part 2. Comparison with Experiments," *Jour. Fluid Mechanics*, Vol. 65, Part 2, 1974, pp 289-314
- Hammack, J.L., and H. Segur, "Modelling Criteria for Harbitz, C.B., G. Pedersen, and B. Gjevik, "Numerical Simulations of Large Water Waves Due to Underwater Landslides," *Jour. Hyd. Engrg.*, ASCE, Vol. 119, No. 12, 1993, pp 1,325-1,342
- Harkrider, D.G., and F. Press, "The Krakatoa Air-Sea Waves; An Example of Pulse Propagation in Coupled Systems," *Geophys. J. Roy. Astr. Soc.*, Vol. 13, 1967, pp 139-159
- Harleman, Donald R.F., and Arthur T. Ippen, "Friction and Energy Dissipation in Long Wave Hydrodynamics," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress*, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 198-205
- Harlow, F.H., *Stability of Difference Equations, Selected Topics*, LAMS-2452 Physics and Mathematics (TID-4500, 15th Ed.), Los Alamos Scientific Laboratory, Univ. Calif., Los Alamos, NM, 1960
- Harlow, F.H., and A.A. Amsden, "A Simplified MAC Technique for Incompressible Fluid Flow Calculations," *J. Comput. Phys.*, Vol. 6, 1970, pp 322-325
- Haroeri, H., "Distribution of Tsunami Energy on the Circum-Pacific Zone," *Proceedings, IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1993*
- Long Water Waves," *Jour. Fluid Mech.*, Vol. 84, Part 2, 1978, pp 359-373
- Hammer, M., "Solitary Killers," *New Scientist*, No. 2201, 28 Aug. 1999, pp 18-19
- Hampton, M.A., H.J. Lee, and J. Locat, "Submarine Landslides," *Rev. Geophysics*, Vol. 34, No. 1, 1996, pp 33-59
- Hamzah, M.A., Hajime Mase, and Tomotsuka Takayama, "Simulation and Experiment of Hydrodynamic Pressure on a Tsunami Barrier," In *Coastal Engineering 2000: Conf. Proceedings, Sydney, Australia, July 16-21, 2000*, ed. Billy L. Edge, ASCE, Vol. 2, 2001, pp 1,501-1,507
- Hansen, Brett, "Simple, Economical House Design to Resist Future Tsunamis," *Civil Engineering*, Vol. 75, No. 8, Aug. 2005, pp 13-14
- Hanson, Brooks, and Leslie Roberts, "Resiliency in the Face of Disaster," *Science*, Vol. 309, No. 5737, 12 Aug. 2005, p. 1,029
- Harada, K., and F. Imamura, "Effects of Coastal Forest on Tsunami Hazard Mitigation - A Preliminary Investigation," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Harbitz, C.B., *Model Simulations of Tsunami Generated by the Storegga Slide*, Institute of Mathematics, Univ. Oslo, Norway, Series, No. 5, 30 pp
- Harbitz, Carl, "Numerical Simulation of Slide Generated Water Waves," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 15-22
- Harbitz, C.B., "Model Simulations of Tsunamis Generated by the Storegga Slides," *Marine Geology*, Vol. 105, 1992, pp 1-21
- Harris, Richard F., "Tsunami Alert Canceled Three Hours After Quake," *San Francisco Examiner*, CA, 19 Sept. 1985
- Hasegawa, H. S., and H. Kanamori, "Source Mechanism of the Magnitude 7.2 Grand Banks Earthquake of November 1929: Double Couple or Submarine Landslide?," *Bull. Seismological Soc. America*, Vol. 77, 1987, pp 1,984-2,004
- Hashimoto, T., Y. Ishikawa, and J. Uehira, "The 1993 Noto-Honto-Oki Earthquake and Its Tectonic Implication (Part I): A Rupture Process," *Proc.: 1993 Joint Conf. on Seismology in East Asia*, 1993, p. 141
- Haskell, N.A., "Elastic Displacements in the Near-Field of a Propagating Fault," *Bull. Seis. Soc. Amer.*, Vol. 59, 1969, pp 865-908
- Hata, H., M. Yamamoto, A. Nakayama, T. Takeuchi, and J. Yamamoto, "Hydraulic Phenomena and Tsunami Damages in Fishing Ports - A Case Study of the Nihonkai-Chubu Earthquake Tsunami," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 235-248
- Hatori, K., "Distribution of Cumulative Tsunami Energy from Alaska-Aleutians to Western Canada," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol.

23, 2005

Hatori, Tokutaro, "On the Tsunamis Along the Island of Hawaii," *Bulletin of the Earthquake Research Institute, Univ. of Tokyo*, Vol. 41, 1963, pp 49-59

Hatori, Tokutaro, "Directivity of Tsunamis," *Bulletin of the Earthquake Research Institute, University of Tokyo, Japan*, Vol. 41, 1963, pp 61-81

Hatori, Tokutaro, "A Study of the Damage to Houses Due to a Tsunami," *Bulletin of the Earthquake Research Institute, Univ. Tokyo, Japan*, Vol. 42, No. 1, 1964, pp 181-196

Hatori, Tokutaro, "On the Tsunami Which Accompanied the Niigata Earthquake of June 16, 1964. Source Deformation, Propagation and Tsunami Run-up," *Bulletin of the Earthquake Research Institute, Univ. Tokyo, Japan*, Vol. 43, 1965, pp 129-148

Hatori, Tokutaro, "Vertical Displacement in Tsunami Source Area and the Topography of the Sea Bottom," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Vol. 44, 1966, pp 1,449-1,464

Hatori, T., "The Generating Area of the Sanriku Earthquake of 1896 and Its Comparison with the Tsunami of 1933," *Zisin, Japan, Ser. 2, Vol. 20*, 1967, pp 164-170

Hatori, T., "Study on Distant Tsunamis Along the Coast of Japan, Part 2: Tsunamis of South American Origin," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Vol. 46, 1968, pp 345-359

Hatori, Tokutaro, "Dimensions and Geographic Distribution of Tsunami Sources Near Japan," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. of Hawaii, Honolulu, 1970, pp 69-83. Also in *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 47, 1969, pp 185-214

Hatori, Tokutaro, "Vertical Crustal Deformation and Tsunami Energy," *Bull. Earthquake Res. Inst.*, Univ. Hatori, Tokutaro, "Tsunami Sources in the Sanriku Region in 1979 and 1981, Northeastern Japan - Seismic Gap off Miyagi," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Vol. 56, 1981, pp 629-640

Hatori, Tokutaro, "Tsunami Magnitude and Source Area of the Aleutian-Alaska Tsunamis," *Bulletin, Earthquake Research Institute, Univ. of Tokyo, Japan*, Vol. 56, 1981, pp 97-110

Hatori, Tokutaro, "Philippine, Solomon, and New Hebrides Islands Tsunamis Observed Along the Coast of Japan, 1971-1980," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 57, No. 2, 1982, pp 221-237

Hatori, Tokutaro, "Wave Magnitude of the Kuril-Kamchatka Tsunamis. Tsunami Effect in Japan," *Bull. Earthquake Res. Inst.*, Tokyo, Univ, Japan, Vol. 57, 1982, pp 687-699

Hatori, Tokutaro, "Columbia-Peru Tsunamis Observed Along the Coast of Japan - Tsunami Magnitude and Source Areas," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 173-183

Hatori, T., "Tsunami Magnitude and Source Area of the Nihonkai-Chubu (the Japan Sea) Earthquake in 1983," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Vol. 58, 1983, pp 723-734

Hatori, T., "On the Damage to House due to Tsunamis," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 59, 1984, pp 433-439 (in Japanese,

Tokyo, Japan, Vol. 48, 1970, pp 171-188

Hatori, Tokutaro, "The Magnitude of Tsunamis Generated in Hiuganada During the Years, 1926-1970," *Zisin (J. Seismol. Soc. Japan)*, 2nd Ser., Vol. 24, No. 2, 1971, pp 95-106 (In Japanese)

Hatori, Tokutaro, "An Investigation of the Tsunami of Sept. 6, 1971, Generated off Southwestern Sakhalin," *Zisin, Japan, 2nd Ser.*, Vol. 25, 1972, pp 218-224 (In Japanese)

Hatori, Tokutaro, "A Method for Determining Tsunami Magnitude," *Tsunami, Acad. Sci. USSR, Yuzuno-Sakhalinsk*, Vol. 32, 1973, Proc. I.U.G.G., Tsunami Symp. Moscow, 1971 (In Russian)

Hatori, T., "Tsunami Off the Nemuro Peninsula in June 1973, and Tsunami Generation in East Hokkaido," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO, 1976, pp 61-70

Hatori, T., "Wave Source of the Hawaiian Tsunami of 1975 and the Tsunami Behavior in Japan," *Zisin, Japan, Ser. 2, Vol. 29*, 1976, pp 355-364

Hatori, Tokutaro, and Michiko Katayama, "Tsunami Behavior and Source Areas of Historical Tsunamis in the Japan Sea," *Bull. Earthquake Research Inst.*, Univ. of Tokyo, Vol. 52, 1977, pp 49-70 (in Japanese; abstract in English)

Hatori, Tokutaro, "Tsunami Magnitude and Seismic Moment," *Bull. Earthquake Research Institute, Univ. of Tokyo, Japan*, 1978, pp 25-34 (in Japanese; abstract in English)

Hatori, Tokutaro, "Relation Between Tsunami Magnitude and Wave Energy," *Bull. Earthquake Research Inst.*, Univ. Tokyo, Japan, Vol. 54, 1979, pp 531-541 (in Japanese; abstract in English)

abstract in English)

Hatori, T., "Classification of Tsunami Magnitude Scale," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 61, 1986, pp 503-515

Hatori, T., "Characteristics of Tsunamis Associated with Aftershock and Swarm Near Japan," *Zisin, Japan, Ser. 2, Vol. 42*, 1989, pp 183-188

Hatori, Tokutaro, "Distribution of Wave Energy Received from Distant Tsunamis Along the Coast of Japan," *Zisin, Japan, Ser. 2, Vol. 42*, 1989, pp 467-473

Hatori, T., "Behaviour of the Kuril Tsunamis at the Hokkaido and Sakhalin Coast Facing the Okhotsk Sea," *Zisin, Japan, Vol. 43*, 1990, pp 493-498

Hatori, T., "Distribution of Tsunami Energy on the Circum-Pacific Zone," In *Proc. IUGG/IOC International Tsunami Symposium, Wakayama, Japan*, 1993, pp 165-173

Hatori, T., "Tsunami Magnitudes in Taiwan, Philippines, and Indonesia," *Zisin, Japan, Vol. 47*, 1994, pp 155-162

Hatori, Tokutaro, "Magnitude Scale for the Central American Tsunamis," (1900-1993), *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 471-479

Hauksson, E., and G. Saldívar, "The 1930 Santa Monica and the 1979 Malibu, California,

- Earthquakes," *Bull. Seismological Society of America*, Vol. 76, No. 6, 1986, pp 1,542-1,559
- Hauksson, E., and S. Gross, "Source Parameters of the 1933 Long Beach Earthquake," *Bull. of the Seismological Society of America*, Vol. 81, No. 1, Feb. 1991, pp 81-98
- Hawaii: Honolulu City and County of, *Regulations within Flood Hazard Districts and Development Adjacent to Drainage Facilities*, Revised Ordinances of the City and County of Honolulu, Article 11, pp 80-87, (1990?), (includes information on tsunamis)
- Hawaii Office of Planning, Dept. of Business, Economic Development and Tourism, *Hawaii Coastal Zone Management Program*, State of Hawaii, Honolulu, (2002?)
- Hawaii Tribune-Herald, since 1964; Hilo Tribune-Herald, 1923-1964; also it was once known as the Sunday Tribune-Herald on sundays
- Hazelwood, James, "Russ Seek Tidal Wave Warnings," *Oakland Tribune*, CA, 10 May 1972
- Headland, John, "COPRI Responds: South Asia Tsunami," *Waterways*, ASCE, COPRI, Vol. 5, Issue 1, Spring 2005, pp 1-2
- Heaps, N.S., "Resonant Tidal Oscillations in a Narrow Gulf," *Arch. Meteor. Geophys. Bioklimat.*, Ser. A, Vol. 24, 1975, pp 361-384
- Heath, R.A., "The Response of Several New Zealand Harbours to the 1960 Chilean Tsunami," In *Tsunami Research Symposium 1979*, eds. R.A. Heath and M.M. Cresswell, Roy. Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 71-82
- Heath, R.A., and M.M. Cresswell, editors, *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, Royal Society of New Zealand, Bulletin 15, Wellington, and UNESCO Press, Paris, Hebenstreit, G.T., and R.E. Whitaker, *Tsunami Hazard Modeling and Mitigation: Runup and Inundation Studies*, Science Applications International Corp., McLean, VA, SAI-83/1236, 1983
- Hebenstreit, G.T., and E.N. Bernard, "Azimuthal Variations in Tsunami Interactions with Multiple-Island Systems," *Jour. Geophys. Res.*, Vol. 90, No. C2, 1985, pp 3,353-3,360
- Hebenstreit, G.T., and T.M. Murty, "Tsunami Amplitudes from Local Earthquakes in the Pacific Northwest Region of North America. Part 1: The Outer Coast," *Marine Geodesy*, Vol. 13, No. 2, 1989, pp 101-146
- Hebenstreit, Gerald T., "A Long-term Perspective," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 205-214
- Hebenstreit, Gerald T., editor, *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, Kluwer Acad. Pub., Dordrecht, The Netherlands, 1997, 218 pp
- Hebenstreit, Gerald T., ed., *Tsunami Research at the End of a Critical Decade*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, 282 pp; many are papers from IUGG 99, Birmingham, IUGG XXII General Assembly, Tsunami Observations, Modelling and Hazard Reduction (IASPEI, IAPSO, IAVCEI, IUGG Tsunami Commission)
- France, 1976, 258 pp (6th IUGG international tsunami symposium)
- Heaton, T.H., and H. Kanamori, "Seismic Potential Associated with Subduction in the Northwestern United States," *Bull. Seismological Soc. Amer.*, Vol. 74, 1984, pp 933-941
- Heaton, T.H., and P.D. Snavely, "Possible Tsunami Along the Northwestern Coast of the United States Inferred from Indian Traditions," *Bull. Seis. Soc. Amer.*, Vol. 75, No. 5, 1985, pp 1,455-1,460
- Heaton, T.H., and S.H. Hartzell, "Earthquake Hazards on the Cascadia Subduction Zone," *Science*, Vol. 236, 1987, pp 162-168
- Heaton, T.H., and S. H. Hartzell, "Estimation of Strong Ground Motions for Hypothetical Earthquakes on the Cascadia Subduction Zone, Pacific Northwest," *Pure and Applied Geophysics*, Vol. 129, 1989, pp 131-201
- Hebenstreit, G.T., and R.O. Reid, *Tsunami Response of the Hawaiian Islands*, Reference No. 80-2-T, Texas A&M Univ., College Station, TX, March 1980, 289 pp
- Hebenstreit, G.T., E.N. Bernard, and A.C. Vastano, "Applications of Improved Numerical Techniques to the Tsunami Response of Island Systems," *Jour. Phys. Ocean.*, Vol. 10, 1980, pp 1,134-1,140
- Hebenstreit, G.T., *Assessment of Tsunami Hazard Presented by Possible Seismic Events: Far-field Effects*, Science Applications, Inc., McLean, VA, Tech. Rept. SAI-82-599-WA, NTIS: PG83-114017, 1981
- Hebenstreit, G.T., and R.E. Whitaker, *Assessment of Tsunami Hazard Presented by Possible Seismic Events: Near-source Effects*, Science Applications, Inc., McLean, VA, Tech. Rept. SAI-82-651-WA, NTIS: PB83-102665, 1981
- Hecate Straits Engineering Ltd., Consulting Engineers, *An Investigation to Determine the Effects of Wind, Waves, and Subsurface Landslides on the Proposed Kitimat Floating Docks*, British Columbia, Canada, 1977, 63 pp
- Heck, N.H., "List of Seismic Sea Waves," *Bulletin of the Seismological Society of America*, Vol. 37, No. 4, October 1947, pp 269-286
- Heezen, B.C., and M. Ewing, "Orleansville Earthquake and Turbidity Currents," *Bull. Am. Assoc. Petrol. Geol.*, Vol. 39, No. 12, 1955, pp 2,505-2,514
- Heezen, Bruce C., "1908 Messina Earthquake, Tsunami, and Turbidity Current," *Bull. Geological Soc. Amer.*, Vol. 68, No. 12, 1957, p. 1,743 (abstract only),
- Heinrich, P., "Nonlinear Numerical Model of Landslide-generated Water Waves," *Intl. Jour. Engrg. Fluid Mech.*, Vol. 4, 1991, pp 403-416
- Heinrich, P. "Nonlinear Water Waves Generated by Submarine and Aerial Landslides," *Jour. Waterway, Port, Coastal and Ocean Engineering*, ASCE, Vol. 118, No. 3, 1992, pp 249-266
- Heinrich, P., M.A. Baptista, and P. Miranda, "Numerical Simulation of 1969 Tsunami Along the Portuguese Coasts; Preliminary Results," *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994

- Heinrich, P., A. Mangeney, S. Guibourg, R. Roche, G. Boudon, and J.-L. Vheminee, "Simulation of Water Waves Generated by a Potential Debris Avalanche in Montserrat, Lesser Antilles," *Geophys. Res. Lett.*, Vol. 25, No. 19, 1998, pp 3,697-3,700
- Heinrich, P., A. Piatanesi, E. Okal, and H. Hebert, "Near-field Modeling of the July 17, 1998 Tsunami in Papua New Guinea," *Geophys. Res. Lett.*, Vol. 27, 2000, pp 3,037-3,040
- Heinrich, P., A. Piatanesi, and H. Herbert, "Numerical Modelling of Tsunami Generation and Propagation from Submarine Slumps: the 1998 Papua New Guinea Event," *Geophys. J. Int.*, Vol. 145, 2001, pp 87-111
- Heitner, K.L., *A Mathematical Model for Calculation of the Runup of Tsunamis*, Ph.D. thesis, Earthquake Engrg. Res. Lab., Calif. Inst. Tech., Pasadena, CA, 1969
- Heitner, K.L., and G.W. Housner, "Numerical Model for Tsunami Run-up" *Jour. Waterways, Harbor, and Coastal Division, Proc. ASCE*, Vol. 96, No. WW3, Aug. 1970, pp 701-719
- Hellmut Issels Photo; see *Issels, Hellmut*
- Hemphill-Haley, E., "Diatom Evidence for Earthquake-Induced Subsidence and Tsunami 300 Years Ago in Southern Coastal Washington," *Geolog. Soc. Amer. Bull.*, Vol. 107, 1995, pp 367-378
- Hemphill-Haley, E., "Diatoms as an Aid in Identifying Late-Holocene Tsunami Deposits," *The Holocene*, Vol. 6, No. 4, 1996, pp 439-448
- Hendron, A.J., Jr., and F.D. Patton, *The Vaiont Slide, A Geotechnical Analysis Based on New Geologic Observations of the Failure Surface*, in 2 volumes. Vol. 1, Main Text, 324 pp; Vol. 2, Appendices A Herodotus, *The Histories*; translation by George Rawlinson, J.M. Dent & Sons, Ltd, London (1910), edition of 1992, p. 656 (tsunami in 479 B.C. at Potidaea in Calcidice [on the Cassandra Peninsula, Greece]); Book 8, Paragraph 129)
- Herron, William J., "Los Angeles and Long Beach Harbors, as Remembered by William J. Herron," In *Oral History of Coastal Engineering Activities in Southern California, 1930-1981*, U.S. Army Corps of Engineers, Los Angeles District, Jan. 1986, 254 pp (p. 6-60, Chilean tsunami of 1960)
- Hibberd, S., and D.H. Peregrine, "Surf and Run-up on a Beach: A Uniform Bore," *Jour. Fluid Mech.*, Vol. 95, Part 2, 28 Nov. 1979, pp 323-345
- Hibiya, Toshiyuki, "Excitation Mechanism of the 'Abiki' Phenomenon (a Kind of Seiche) in Nagasaki Bay," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 83-106
- Hidayat, Dannie, Jeffrey S. Barker, and Kenji Satake, "Modeling the Seismic Source and Tsunami Generation of the December 12, 1992, Flores Island, Indonesia, Earthquake," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 537-554
- Higuchi, Joyce, and Ethel McAfee, *Codens for the Index to Tsunami Literature to 1966*, Hawaii Inst. of Geophysics, Univ. Hawaii, Honolulu, HI, Rept. No. HIG-67-20, Nov. 1967, 82 pp
- Hill, Philip, "Obituary: Professor Mohammed El-Sabih, 1939-1999," *Tsunami Newsletter*, Vol. 30, 1997 Annual
- through G, U.S. Army Corps of Engineers, Geotechnical Laboratory, June 1985, various pagination
- Henry, R.F., and T.S. Murty, *Resonance Periods of Multi-branched Inlets with Tsunami Amplification*, Canada, Marine Sciences Branch, Manuscript Series No. 28, 1972, pp 47-79
- Henry, R.F., *Automated Programming of Explicit Shallow Water Models: Part 1: Linearized Models with Linear or Quadratic Friction*, Canadian Technical Report of Hydrography and Ocean Sciences, No. 3, Inst. of Ocean Sciences, Dept. of Fisheries and Oceans, Sidney, B.C., Canada, 1982, 70 pp
- Henry, R.F., and R.A. Walters, "Geometrically Based Automatic Generator for Irregular Triangular Networks," *Comm. in Numerical Methods in Engineering*, Vol. 9, 1993, pp 555-566
- Henry, R.F., and T.S. Murty, "Tsunami Amplification Due to Resonance in Alberni Inlet: Normal Modes," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Pub., Dordrecht, The Netherlands, 1995, pp 117-128
- Henry, William P., "Message from the President. ASCE's Response To the Tsunami Disaster," *ASCE News*, Vol. 30, No. 2, Feb. 2005, p. 8
- Herbert, Ray, "A Tidal Wave that Sparked a Renaissance," *San Francisco Chronicle*, CA, 8 Nov. 1978, p. A14
- Herd, Darrell G., T. Leslie Youd, H. Meyer, J.L. Aranago C., W.J. Peson, and C. Mendoza, "The Great Tumaco, Columbia Earthquake of 12 December 1979," *Science*, Vol. 211, No. 4481, 30 Jan. 1981, pp 441-445 and cover
- (printed in 1999), p. 27
- Hills, J., and P. Goda, "Tsunami from Asteroid Impacts: The Vulnerability of Europe," *Science of Tsunami Hazards*, Vol. 16, 1998, pp 3-10
- Hills, Jack, and M. Patrick Goda, "The Asteroid Tsunami Project at Los Alamos," *Science of Tsunami Hazards*, Vol. 19, No. 1, 2001, pp 55-65
- Hilo Tribune-Herald*, "First Wave Hits 5 Minutes After Second Alarm," Hilo, HI, March 10, 1957, p. 1
- Hilo Tribune-Herald*, 1923-1964; *Hawaii Tribune-Herald*, since 1964. Note change in name; also, on Sunday, it was once known as the *Sunday Tribune-Herald*, in Hilo, Hawaii
- Hilo Technical Tsunami Advisory Council*, Ryutaro Takahasi (Chairman), Masatsuga Suzuki, Masashi Homma, Robert L. Wiegel, and Doak C. Cox; an ad hoc advisory committee to the Hawaii County Board of Supervisors through its Tsunami Advisory Committee, in the early 1960's
- Hilo Technical Tsunami Advisory Council, Protection of Hilo from Tsunamis*, Report of the Hilo Technical Tsunami Advisory Council, to the Board of Supervisors, Hawaii County, Through Its Tsunami Advisory Committee, 6 April 1962, 17 pp (mimeograph); reproduced in the *Sunday Tribune-Herald* (Hilo Tribune-Herald, Sunday edition), 8 April 1962, pp 1, 10, and 11
- Hinde, B.J., "Tsunamis," *The Marine Observer*, Vol. 31, No. 191, Jan. 1961, pp 24-27

- Hindson, E.A., C. Andrade, and A.G. Dawson, "Sedimentary Processes Associated with the Tsunami Generated by the 1755 Lisbon Earthquake on the Algarve Coast, Portugal," *Physics and Chemistry of the Earth*, Vol. 21, No. 12, 1996, pp 57-63
- Hiraishi, Tetsuya, "Storm Surge Prevention in Coastal Zone," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities* (at Univ. Calif., Berkeley, CA, Jan. 17-19, 1995), compiled by C.E. Smith, R.G. Bea, and T. Uwabe, Univ. California, Berkeley, 1995, pp 87-98
- Hirasawa, T., "Source Mechanism of the Niigata Earthquake of June 16, 1964 as Derived from Body Waves," *Jour. Phys. Earth*, Vol. 13, 1965, pp 35-66
- Hirozawa, Shurie, "Hilo Bayfront Like Crushed Toy Village, with City Blocks Swept Clean of Houses," *Honolulu Star-Bulletin*, HI, 23 May 1960, p. 1
- Hirt, C.W., B.D. Nichols, and N.C. Romero, *SOLA - A Numerical Solution Algorithm for Transient Fluid Flow*, Los Alamos National Laboratory Report, New Mexico, LA-5852, 1975
- Hirt, C.W., B.D. Nichols, and R.S. Hotchkiss, *SOLA-VOF: A Solution Algorithm for Transient Fluid Flow with Multiple Free Boundaries*, Los Alamos Scientific Laboratory, New Mexico, Report LA-8355, 1980
- Hirt, C.W., and B.D. Nichols, "Volume of Fluid (VOF) Method for the Dynamics of Free Boundaries," *Jour. Computational Physics*, Vol. 39, 1981, pp 201-225
- Hirt, C.W., R.C. Mjolsness, L.D. Cloutman, and M.D. Torrey, *NASA-VOF2D: A Computer Program for Incompressible Flows with Free Surfaces*, Los Alamos Scientific Laboratory, Report LA-10612-MS, 1985
- Holden, Edward S., *A Catalog of Earthquakes of the Pacific Coast, 1769 to 1897*, Smithsonian Miscellaneous Collections, Washington, D.C., No. 1087, 1898, 253 pp
- Holloway, Greg, Tad Murty, and Edmand Fok, "Effects of Bathymetric Roughness Upon Tsunami Travel Time," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 165-172
- Hom-ma, S., "On the Behavior of Seismic Sea Waves Around a Circular Island," *Geophysical Magazine*, Vol. 21, 1950, pp 199-208
- Honda, H., and K. Nakamura, "The Waves Caused by One-dimensional Deformation of the Bottom of a Shallow Sea of Uniform Depth," *Sci. Reports, Tohoku Univ.*, Tohoku, Japan, Series 5, Geophysics, Vol. 3, No. 3, Dec. 1951, pp 133-137
- Honda, H., and K. Nakamura, "On the Motion of the Surface of the Sea Due to a Submarine Earthquake," *Science Reports, Tohoku Univ.*, Tohoku, Japan, Series 5, Geophysics, Vol. 7, No. 1, 1955, pp 17-34
- Honda, Kotaro, T. Terada, and D. Ishitani, "Secondary Undulations of Oceanic Tides," *Proc. Tokyo Mathematico-Physical Soc.*, Japan, Series 2, Vol. 4, 1907-1908, pp 79-88
- Honda, Kotaro, T. Terada, Y. Yoshida, and D. Ishitani, "An Investigation on the Secondary Undulations of Oceanic Tides," *Jour. of the College of Science, Imperial Univ.*, Tokyo, Japan, Vol. 24, 1908, pp 1-113; also in *Publications of the Earthquake Investigating Committee in Foreign*
- Hisamoto, Soichi, and Chieko Murayama, "Drawing the Wave Fronts of the Chilean Tsunami," *Quarterly Jour. Seis.*, Japan, Vol. 26, No. 4, 1962, pp 109-114
- Hitchcock, C.H., *Hawaii and Its Volcanoes*, 2nd Edition, Hawaiian Gazette Co., Lt., Honolulu HI, 1911, (tsunamis, pp 291-295)
- Hitchcock, C.H., "The Hawaiian Earthquake of 1868," (and tsunami), *Bull. Seis. Soc. Amer.*, Vol. 2, No. 3, 1912, pp 181-192
- Hitt, Greg, Leslie Chang, and Charles Fleming, "U.S. Sets Coalition to Support Aid in Southern Asia," *The Wall Street Journal*, 30 Dec. 2004, pp A3 and A6
- Hiyoshi, Y., D.A. Walker, and C.S. McCreery, "T-phase Data and Regional Tsunamigenesis in Japan," *Bull. Seis. Soc. Amer.*, Vol. 82, 1992, pp 2,213-2,223
- Ho, D.V., and R.E. Meyer, "Climb of a Bore on a Beach, Part I, Uniform Beach Slope," *Jour. Fluid Mech.*, Vol. 14, 1962, pp 305-318
- Hodgson, J.H., and W.G. Milne, "Direction of Faulting in Certain Earthquakes of the North Pacific," *Bull. Seismological Soc. Amer.*, Vol. 41, No. 3, July 1951, pp 221-242
- Hoffman, I., C.E. Synolakis, and E.A. Okal, "Systematics of the Distribution of Tsunami Run-up Along Coastlines in the Near-field for Dislocation Sources with Variable Parameters," *EOS, Trans., Amer. Geophys. Union*, Vol. 83, No. 22, 2001, p. WP54 (abstract)
- Hokkaido Tsunami Survey Group, "Tsunami Devastates Japanese Coastal Region," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, 1993, pp 417 and 432
- Languages*, Japan, Vol. 26, 1908, pp 1-110
- Honza, Ei-ichi, and Augustine S. Furumoto, "Earthquakes, Tsunamis, and Tectonic Setting of the Japan Trench and the Southwestern Kuril Trench Areas," *Science of Tsunami Hazards*, Vol. 14, No. 1, 1996, pp 49-62
- Hookway, James, "Reefs Saved Maldives from Worse Fate," *The Wall Street Journal*, 30 Dec. 2004, p. A7
- Horikawa, Kiyoshi, and R.L. Wiegel, *Secondary Wave Crest Formation*, Univ. Calif., Berkeley, CA, Inst. Engrg. Res., Series 89, Issue 4, Feb. 1959, 23 pp
- Horikawa, Kiyoshi, "Tsunami Phenomena in the Light of Engineering View-point," *Report on the Chilean Tsunami of May 24, 1960, as Observed Along the Coast of Japan*, Maruzen Co., Ltd., Tokyo, Dec. 1961, pp 136-150
- Horikawa, Kiyoshi, *Tsunami Protective Measures in Japan*, National Working Group in Japan, probably in the early 1960's. Source?, 26 pp
- Horikawa, Kiyoshi, "Evaluation of Tsunami Protection Measures," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress*, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 250-262
- Horikawa, K., and H. Nishimura, "On Effect of Tsunami Breakwaters," In *Proc. 16th Conf. Coastal Engrg, Japan, 1969*, pp 365-369



- Horikawa, K., and H. Nishimura, "On the Function of Tsunami Breakwaters," *Coastal Engineering in Japan*, Vol. 13, 1970
- Horikawa, Kiyoshi, *Coastal Engineering: An Introduction of Ocean Engineering*, University of Tokyo Press, 1978, 402 pp (tsunamis, pp 167-180)
- Horikawa, Kiyoshi, and Nobuo Shuto, "Tsunami Disasters and Protection Measures in Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 9-22
- House, L.S., L.R. Sykes, J.N. Davies, and K. Jacob, "Identification of a Possible Seismic Gap Near Unalaska Island, Eastern Aleutians, Alaska," In *Earthquake Prediction - An International Review*, ed. D.W. Simpson, Amer. Geophys. Union, Maurice Ewing Series, Vol. 4, 1981, pp 81-92
- Housley, J.G., *Pilot Model Study for the Design of Hilo Harbor Tsunami Model: Hydraulic Model Investigation*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Rept. No. AEWES-RR-2-3, March 1965, 86 pp
- Houston, J.R., L.S. Butler, and D.J. Divoky, "Tsunami Model: Generation and Open-sea Characteristics," *Bull. Seismological Soc. Amer.*, Vol. 62, 1972, pp 1,579-1,596
- Houston, J.R., and A.W. Garcia, *Type 16 Flood Insurance Study: Tsunami Predictions for Pacific Coastal Communities*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, prepared for Federal Insurance Administration, Tech. Rept. H-74-3, May 1974, 128 pp
- Houston, J.R., H.L. Butler, R.W. Whalin, and D.C. Raney, *Probable Maximum Tsunami Runup for Distant Tsunami Events - Islote Site, Puerto Rico*, Amendment 23, NORCO-NP-1 PSAR, Puerto Rico Water Resources Authority, for Fugro Inc., Long Beach, CA, May 1975. Appendix 2.4B in the *Preliminary Safety Analysis Report for North Coast Nuclear Power Plant No. 1, Puerto Rico Water Resources Authority*, 1975, 253 pp
- Houston, James R., *Los Angeles Harbor Numerical Analysis of Harbor Oscillations. Final Report*, Misc. Paper H-77-2, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Feb. 1977, 228 pp (28 pp and 198 plates)
- Houston, James R., "Interaction of Tsunamis with the Hawaiian Islands Calculated by a Finite-element Numerical Model," *Jour. Phys. Ocean.*, Vol. 8, 1978, pp 93-102
- Houston, James R., "Tsunami Runup Predictions for the West Coast," *Coastal Zone '78, Symposium, San Francisco, CA, March 14-26, 1978*, ASCE, Vol. IV, pp 2,885-2,896
- Houston, James R., and Andrew W. Garcia, *Type 16 Flood Insurance Study: Tsunami Predictions for the West Coast of the Continental United States. Final Report*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. H-78-26, Dec. 1978, 69 pp
- Houston, James R., and H. Lee Butler, *A User's Manual for Tsunami Inundation Numerical Model*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, WES Tech. Rept. No. HL-79-1, Feb. 1979
- Houston, James R., *Tsunami Elevation Predictions for American Samoa. Final Report*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. No. HL-80-16, Sept. 1980, 153 pp
- Houston, James R., *Type 19 Flood Insurance Study: Tsunami Predictions for Southern California. Final Report*, U.S. Army Corps of Engineers, Waterways Experiment Station, Tech. Rept. No. HL-80-18, Sept. 1980, 174 pp
- Houston, James R., and F.Y. Tsai, "Tsunami Hazards in Coastal Zones," *Coastal Zone '83: Proc. Third Symposium on Coastal and Ocean Management, San Diego, CA, June 1-4, 1983*, ASCE, Vol. 3, pp 2,024-2,036
- Houston, James R., "Comment on: 'Development of a Tsunami-Flooding Model Having Versatile Formulation of Moving Boundary Conditions' by Carter H. Lewis and W.M. Adams (Tsunami Society Monograph, Jan. 1983)," *Science of Tsunami Hazards*, Vol. 2, No. 2, June 1984, pp 125-136
- Houston, James R., "Tsunami Flood Level Prediction for American Samoa," *Science of Tsunami Hazards*, Vol. 3, No. 1, 1985, pp 53-61
- Houtz, R.E., *The 1953 Suva Earthquake and Tsunami*, Geological Survey Dept. of Fiji, Report No. 61, March 1960
- Houtz, R.E., "The 1953 Suva Earthquake and Tsunami," *Bull. Seis. Soc. Amer.*, Vol. 52, No. 1, Jan. 1962, pp 1-12. Also in *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug. -Sept. 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, IUGG, Paris, July 1963, pp 73-76
- Howarth, R., "Tsunami - The Scourge of the Pacific," *COGEOENVIRONMENT News No. 1*, for Commission on Geological Sciences for Environmental Planning, IUGG, January 1999
- Hubbard, James R., and Scott Duncan, "Tsunami Hazard Mitigation and the NOAA National Water Level Observation Net," *Science of Tsunami Hazards*, Vol. 20, No. 1, 2002, pp 19-25
- Huber, A., "Impulse Waves in Swiss Lakes as a Result of Rock Avalanches and Bank Slides. Experimental Results for the Prediction of the Characteristic Numbers of These Waves," In *14th International Congress on Large Dams, Rio de Janeiro, 3-7 May 1982*, Vol. III, Q 54, R 29, and Vol. V, 1982, pp 445-476

- Huber, Andreas, "Discussion of 'Evaluating Hazard of Landslide-induced Water Waves,' by Rudy Slingerland and Barry Voight," *Jour. Waterway, Port, Coastal, and Ocean Div.*, Proc. ASCE, Vol. 110, No. 1, Feb., 1984, pp 111-113
- Hughes, Stephen A., "Wave Momentum Flux Parameter: A Descriptor for Nearshore Waves," *Coastal Engineering*, Vol. 51, 2004, pp 1,067-1,084
- Hughes, Steven A., "Estimation of Wave Run-up on Smooth, Impermeable Slopes Using the Wave Momentum Flux Parameter," *Coastal Engineering*, Vol. 51, 2004, pp 1,085-1,104
- Hulbirt, Nancy (illustrations), and Daniel A. Walker (data compilation), "Run-ups in the Hawaiian Islands," *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, pp 7-11
- Hull, Don, and Angie Karel, "Oregon Strategy for Mitigation and Public Awareness," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, pp 45-63
- Hulman, Lewis G., William S. Bivins, and Myron H. Fliegel, "Tsunami Protection of Coastal Nuclear Power Plants in the United States," *Marine Geodesy*, Vol. 1, No. 4, 1978, pp 375-384
- Hurst, H.E., "A Suggested Statistical Model of Some Time Series Which Occur in Nature," *Nature*, Vol. 180, 1957, p. 494
- Hurukawa, N., Y. Tsuji, and B. Waluyo, "The 1998 Papua New Guinea Earthquake and its Fault Plane Estimated from Relocated Aftershocks," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp Hwang, Li-San, and A.C. Lin, "Experimental Investigations of Wave Run-up Under the Influence of Local Geometry," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 407-425
- Hwang, L.-S., and D. Divoky, "Tsunami Generation," *Jour. Geophys. Res.*, Vol. 75, No. 33, Nov. 1970, pp 6,802-6,817
- Hwang, L.-S., and E.O. Tuck, "On the Oscillation of Harbors of Arbitrary Shape," *Jour. Fluid Mech.*, Vol. 42, Part 3, 1970, pp 447-464
- Hwang, Li-San and David Divoky, "Tsunami Generation," *Jour. Geophys. Res.*, Vol. 75, No. 33, 20 Nov. 1970, pp 6,802-6,817
- Hwang, Li-San, "Wave Set-up of Nonperiodic Wave Train and Its Associated Shelf-oscillation," *Jour. Geophys. Res.*, Vol. 75, 1970, pp 4,121-4,130
- Hwang, Li-San, and David Divoky, "Tsunamis," *Underwater Journal*, Vol. 3, No. 5, Oct. 1971, pp 207-219
- Hwang, Li-San, H. Lee Butler, and David J. Divoky, "Tsunami Model: Generation and Open-Sea Characteristics," *Bulletin of the Seismological Society of America*, Vol. 62, No. 6, Dec. 1972, pp 1,579-1,596
- Hwang, Li-San, and Maynard Brandsma, *Earthquake Generated Water Waves at the Diablo Canyon Power Plant, Final Report*, Tetra Tech Rept. No. TC-443, prepared for Pacific Gas & Electric Co., San Francisco, CA, Sept./Oct. 1974, pp 2.4C-173 to 2.4C-1,829-1,842
- Hutchinson, I., J.J. Clague, and R.W. Mathewes, "Reconstructing the Tsunami Record on an Emerging Coast: A Case Study of Kanim Lake, Vancouver Island, British Columbia, Canada," *Jour. Coastal Res.*, Vol. 13, 1997, pp 545-553
- Huthnance, J.M., *An Outline Review of Medium Frequency Waves*, Institute of Oceanographic Sciences, U.K., Rept. No. 81, 1979, 22 pp (tsunamis, p. 12)
- Hutton, Eric W.H., and James P.M. Syvitski, "Advances in the Numerical Modeling of Sediment Failure During the Development of a Continental Margin," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 367-380
- Hwang, Dennis J., *Hawaii Coastal Hazards Mitigation Guidebook*, prepared for State of Hawaii, Office of Conservation & Coastal Lands, Dept. of Land and Natural Resources and others; published by State of Hawaii Coastal Zone Management Program, Office of Planning, Dept. of Business, Economic Development & Tourism, January 2005, 216 pp (tsunamis, pp 39-42, 52-53, 74-76, 99, 157-159)
- Hwang, Li-San, Bernard Le Mehaute, and Samuel Persht, *Explosion Waves and Run-up. Volume v. Theoretical Developments on Run-up. Final Report*, under contract from Defense Atomic Support Agency, National Engineering Science Co., Pasadena, CA, NESCO Rept. Nol SN-300, Dec. 1966, 59 pp
- Hwang, Li-San, David Divoky, and Albert Yuen, *Amchitka Tsunami Study*, Tetra Tech, Inc., Pasadena, CA; prepared for U.S. Atomic Energy Commission, Nevada Operations Office, Report TC-177, June 1970, 84 pp
- 261
- Hwang, Li-San, and David Divoky, *Numerical Investigations of Tsunami Behavior, Final Report*, prepared for National Science Foundation, Tetra Tech, Inc., Pasadena, CA, March 1975, 37 pp
- Hwang, Li-San, and Y.K. Lee, eds., *Tsunamis: Proceedings of the National Science Foundation Workshop, 7-9 May 1979*, Coto de Caza, Trabuco Canyon, CA, Tetra Tech, Inc., Pasadena, CA, 1979, 328 pp
- Hwang, Li-San, and Joseph L. Hammack, *The Japan Sea Central Region Tsunami of May 26, 1983*, Committee on Natural Disasters, National Research Council, National Academy Press, Washington D.C., 1984, 33 pp (incl. 18 photos)
- Ibison, David, and Jake Lloyd-Smith, "Mud and Muddle Hamper Banda Aceh Relief Work," *Financial Times*, 8 Jan./ 9 Jan. 2005, p. 2
- Ichikawa, M., "Analysis of the Tsunami Warning Data by Man-Machine Communication System," *Pap. Met. Geophys.*, Vol. 25, 1974, pp 13-21
- Ichikawa, Masaji, and Hideo Watanabe, "A New System for Tsunami Warning in the Japan Meteorological Agency," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 51-60
- Ichiye, T., "On the Theory of Tsunami," *Oceanographical Magazine*, Tokyo, Vol. 2, No. 3, 1950, pp 83-100

- Ichiye, T., "On the Oscillations on the Continental Shelf or the Bay," *Memoirs of the Kobe Marine Observatory*, Kobe, Japan, Vol. 9, 1951, pp 30-33
- Ichiye, T., "On the Amplitude of a Tsunami in a Bay," *Memoirs of the Kobe Marine Observatory*, Kobe, Japan, Vol. 10, 1952, pp 1-4
- Ichiye, T., "Some Remarks on the Non-Linear Theory of Shallow Water Waves on a Sloping Beach," *Oceanographical Magazine*, Central Meteorological Obs., Tokyo, Vol. 4, No. 4, 1953, pp 159-166
- Ichiye, T., "A Theory of the Generation of Tsunami by an Impulse at the Sea Bottom," *Jour. Oceanographical Soc. Japan*, Vol. 14, No. 2, June 1958, pp 41-44
- Ichiye, Takashi, "Tsunami Generation as Finite Depth Cauchy-Poisson Problem or Long Wave Problem," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 265-274
- Ide, S., F. Imamura, Y. Yoshida, and K. Abe, "Source Characteristics of the Nicaraguan Tsunami Earthquake of September 2, 1992," *Geophys. Res. Lett.*, Vol. 20, 1993, pp 863-866
- Ihmle, P.F., "Monte Carlo Slip Conversion in the Frequency Domain: Application to the 1992 Nicaragua Slow Earthquake," *Geophys. Res. Lett.*, Vol. 23, 1996, pp 913-916
- Ihmle, P.F., J.M. Gomez, P. Heinrich, and S. Guibourg, "The 1996 Peru Tsunamiogenic Earthquake: Broadband Source Process," *Geophys. Res. Lett.*, Vol. 25, 1998, pp 2,691-2,694
- Iida, K., "Earthquakes Accompanied by Tsunamis Occurring Under the Sea Off the Islands of Japan," Iida, Kumizi, Doak C. Cox, and George Pararas-Carayannis, *Bibliography to the Preliminary Catalog of Tsunamis Occurring in the Pacific Ocean*, Hawaii Institute of Geophysics, Univ. of Hawaii, Honolulu, Rept. HIG-67-25, Dec. 1967, 27 pp
- Iida, Kumizi, "The Niigata Tsunami of June 16, 1964," In *General Report on the Niigata Earthquake of 1964*, Hiroshi Kawasumi, Editor-in-Chief, Tokyo Electrical Engineering College Press, Japan, 1968, pp 97-127
- Iida, K., "The Generation of Tsunamis and the Focal Mechanism of Earthquakes," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. of Hawaii, Honolulu, 1970, pp 3-18
- Iida, Kumizi, and T. Iwasaki, editors, *Tsunamis - Their Science and Engineering. Proc. Inter. Tsunami Symposium 1981, IUGG Tsunami Commission, May 1981, Sendai-Ofunato-Kamaishi, Japan*, Terra Scientific Publishing Co., Tokyo, 1983, 563 pp
- Iida, Kumizi, "Some Remarks on the Occurrence of Tsunamiogenic Earthquakes Around the Pacific," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 61-76
- Iida, Kumizi, Takao Suzuki, Kazuo Inagaki, and Kenichi Hasegawa, "Finite Element Method for Tsunami Wave Propagation in Tokyo District, Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 293-301
- Iida, K., *Catalog of Tsunamis in Japan and Its Jour. Earth Sci.*, Nagoya Univ., Japan, Vol. 4, No. 1, March 1956, pp 1-43
- Iida, K., "Magnitude and Energy of Earthquakes Accompanied by Tsunami and Tsunami Energy," *Jour. of Earth Sciences*, Nagoya Univ., Japan, Vol. 6, No. 2, 1958, pp 101-112
- Iida, K., "Magnitude, Energy, and Generation Mechanisms of Tsunamis and a Catalog of Earthquakes Associated with Tsunamis," *Proc. Tsunami Meetings Associated with the Tenth Pacific Congress, Univ. Hawaii, Honolulu, Hawaii, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG Monograph 24, Paris, July 1963, pp 7-18
- Iida, Kumizi, and Yutaka Ohta, "On the Heights of Tsunamis Associated with Distant and Near Earthquakes," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 105-123
- Iida, K., "On the Estimation of Tsunami Energy," *Proc. Tsunami Meetings Associated with the Tenth Pacific Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph 24, July 1963, pp 167-173
- Iida, K., "A Relation of Earthquake Energy to Tsunami Energy and the Estimation of the Vertical Displacement in a Tsunami Source," *Jour. Earth Sci.*, Nagoya Univ., Japan, Vol. 7, No. 1, 1963, pp 49-67
- Iida, Kumizi, Doak C. Cox, and George Pararas-Carayannis, *Preliminary Catalog of Tsunamis Occurring in the Pacific Ocean*, Hawaii Institute of Geophysics, University of Hawaii, Rept. HIG-67-10, August 1967, 131 sheets (264 pp, unnumbered)
- Neighboring Countries*, Special Report, Aichi Institute of Technology, Japan, 1984, 52 pp
- Iida, Kumizi, "Activity of Tsunamiogenic Earthquakes Around the Pacific," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 183-191
- Iliev, A. Ya., V.M. Kaistrenko, et al., "Holocene Tsunami Traces on Kunashir Island, Kurile Subduction Zone," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Imai, K., and H. Matsutomi, "Fluid Force on Vegetation Due to Tsunami Flow on a Sand Spit," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Imamura, Akitsune, "Wave Heights of the Hoen (1707) and Ansei (1854) Tsunamis at Kochi Prefecture, Shikoku," *Zisin*, Japan, Vol. 10, No. 9, 1938, pp 394-404
- Imamura, Akitsune, "The Present Aspect of the Restoration from the Tsunami Damage and of Guard Equipment Against it in the Sanriku Coast," *Zisin*, Japan, Vol. 8, No. 5, 1936, pp 233-239
- Imamura, Akitsune, "How to Escape from a Tsunami," *Science for Disaster Prevention (Japan)*, Vol. 3, 1935, pp 361-380
- Imamura, A., and M. Moriya, "Mareographic Observations of Tsunamis in Japan during the Period from 1894 to 1924," *Jap. Journ. Astron. Geophys.*, Vol. 17, 1939, pp 119-140

- Imamura, A., "History of Japanese Tsunamis," *Kaiyo-no Kagaku* (Oceanography), Vol. 2, 1942 (in Japanese)
- Imamura, A., "Tsunami History of Japan," *Science of Oceans*, Vol. 2, 1942, pp 74-80 (in Japanese)
- Imamura, A., "List of Tsunami in Japan," *Zisin*, Japan, 2nd Ser., 1949, pp 23-28
- Imamura, F., and C. Goto, "Truncation Error in Numerical Tsunami Simulation by the Finite Difference Method," *Coastal Engineering in Japan*, JSCE, Vol. 31, No. 2, 1988, pp 245-263
- Imamura, F., N. Shuto, and C. Goto, "Numerical Simulations of the Transoceanic Propagation of Tsunamis," *Proc. of 6th Congress Asian and Pacific Regional Division, IAHR, Japan, 1988*, Vol. IV, 1988, pp 265-272
- Imamura, F., and N. Shuto, "Numerical Simulation of the 1960 Chilean Tsunami," *Proc. Japan-China Joint Seminar on Natural Hazard Mitigation, Kyoto, Japan, 1980*, pp 515-524
- Imamura, F., C. Goto, and N. Shuto, "Numerical Simulation of the 1964 Alaskan Tsunami Including the Dispersion Term," In *Proc. Internat. Tsunami Sympos., 1987*, NOAA 1987, pp 144-146
- Imamura, F., and C. Goto, "Truncation Error in Numerical Tsunami Simulation by the Finite Difference Method," *Coastal Engrg. in Japan*, JSCE, Japan, Vol. 31, 1988, pp 245-263
- Imamura, F., N. Shuto, S. Ide, Y. Yoshida, and K. Abe, "Estimate of the Tsunami Source of the 1992 Nicaraguan Earthquake from Tsunami Data," *Geophys. Res. Lett.*, Vol. 20, No. 14, 1993, pp 1,515-1,518
- Imamura, F., and E.C. Gica, "Numerical Model for Wave Generation Due to Subaqueous Landslide along a Coast - A Case of the 1992 Flores Tsunami, Indonesia," *Science of Tsunami Hazards*, Vol. 14, No. 1, 1996, pp 13-28
- Imamura, F., "Review of Tsunami Simulation with a Finite-Difference Method," In *Long-Wave Runup Models*, eds. H. Yeh, P. Liu, and C. Synolakis, World Scientific Pub. Co., Singapore, (ISBN981-02-2909-7), 1996, pp 25-42
- Imamura, F., and E.C. Gica, "Numerical Model for Tsunami Generation due to Subaqueous Landslide Along a Coast," *Science Tsunami Hazards*, Vol. 14, 1996, pp 13-28
- Imamura, Fumihiko, "Sissano Tsunami in Papua New Guinea, July 1998," *Incede Newsletter*, Vol. 7, No. 2, 1998, pp 1-3
- Imamura, F., K. Hashi, and M.A. Imteaz, "Modeling for Tsunamis Generated by Landsliding and Debris Flow," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 209-228
- Imamura, F., and K. Hashi, "Re-examination of the Source Mechanism of the 1998 Papua New Guinea Earthquake and Tsunami," In *Landslide Tsunamis: Recent Findings and Research Directions*, eds. J.-P. Bardet, C.E. Synolakis et al., *Special Issue of Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,071-2,086
- Imteaz, Manzur Alam, "Analytical Solutions and Imamura, F., N. Shuto, M. Okada, T. Nagai, and H. Takenaka, "Analysis of the OBS Data and Numerical Simulation for the 1990 Mariana Earthquake Tsunami," In *Tsunamis in the World*, ed. S. Tinti, Kluwer Academic Publishers, The Netherlands, 1993, pp 95-105
- Imamura, Fumihiko, and Masayuki Kikuchi, "Moment Release of the 1992 Flores Island Earthquake Inferred from Tsunami and Teleseismic Data," *Science of Tsunami Hazards*, Vol. 12, No. 2, 1994, pp 67-76
- Imamura, F., C.E. Synolakis, E. Gica, V. Titov, E. Llistanco, and Ho Jun Lee, "Field Survey of the 1994 Mindoro Island, Philippines, Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 875-890
- Imamura, Fumihiko, "Review of Tsunami Simulation with a Finite Difference Method," In *International Long Wave Runup Workshop, Friday Harbor, Washington, 1995*, 30 pp
- Imamura, Fumihiko, and Md. Monzur Alam Imteaz, "Long Waves in Two-layers: Governing Equations and Numerical Model," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 3-24
- Imamura, F., "Study on Some Problems of the 1992 Indonesian Flores Island Tsunami," In *Proc. Conf. of the 9th Asian and Pacific Division of the International Association for Hydraulic Research (IAHR), Singapore, August 24-26, 1995*
- Imamura, F., E. Gica, T. Takahashi, and N. Shuto, "Numerical Simulation of the 1992 Flores Tsunami: Interpretation of Tsunami Phenomena in Northeastern Flores Island and Damage at Babi Island," *Pure and Appl. Geophys.*, Vol. 144, No. 3/4, 1995, pp 555-568
- Numerical Model for the Interface in a Stratified Long Wave System," *Science of Tsunami Hazards*, Vol. 19, No. 1, 2001, pp 39-54
- Imteaz, Manzur Alam, and Fumihiko Imamura, "A Non-linear Numerical Model for Stratified Tsunami Waves and Its Application," *Science of Tsunami Hazards*, Vol. 19, No. 3, 2001, pp 150-159
- Indian Ocean (Sumatra) Earthquake and Tsunami of 26 December 2004*, Newspaper articles, 27 December 2004 - 11 February 2005. About 175 articles, collected by R.L. Wiegand. In University of California Water Resources Center Archives, Berkeley, CA 94720-1718
- Inouche, N., and H. Sato, "Vertical Crustal Deformation Accompanied with the Tonankai Earthquake of 1944," *Bull. Geogr. Surv. Inst.*, Japan, Vol. 21, 1975, pp 10-18
- Inoue, Win, "On Seismic Sea Wave Warning System," *Jour. Geogr.*, Vol. 60, 1951, pp 19-23
- Intergovernmental Oceanographic Commission (IOC), *International Co-ordination Group for the Tsunami Warning System in the Pacific, Third Session, Tokyo, Japan, 8-12 May 1972: Summary Report*, UNESCO, IOC/ITSU-III/3, Paris, SC-72/CONF.76/3, 27 June 1972, 6 pp and 9 appendices
- Intergovernmental Oceanographic Commission (IOC), *Wave Reporting Procedures for Tide Observers in the Tsunami Warning System*, UNESCO, Paris, Manuals and Guides 6, 1975, 32 pp
- Intergovernmental Oceanographic Commission (IOC), *Master Plan for the Tsunami Warning System of the*

- Pacific*, UNESCO, IOC/INF-730, Paris, Dec. 1987, 32 pp
- Intergovernmental Oceanographic Commission (IOC), *Tsunami Glossary. A Glossary of Terms and Acronyms Used in the Tsunami Literature*, IOC Technical Series 37, UNESCO, Paris, 1991, 136 pp
- International Coordination Group for the Tsunami Warning System in the Pacific (ITSU), "Massive Tsunami Hits Pacific Ocean Coasts," UNESCO, IOC, *ITSU web site*, printout on 12 Jan. 2005, 3 pp  
<http://ioc.unesco.org/itsu/>
- International Coordination Group for the Tsunami Warning System in the Pacific (ITSU), "Frequently Asked Questions," UNESCO, IOC, *ITSU web site*, printout on 13 Jan. 2005, 3 pp  
<http://ioc.unesco.org/itsu/printer.php?id=133>
- International Coordination Group for the Tsunami Warning System in the Pacific, "Message by Dr David Pugh, IOC Chairman to Dr Nasser H. Zaker, Chairman, IOCINDIO," updated 20.12.04, Peter Pissierssen (writer), *ITSU web site*, printout 13 Jan. 2005, 2 pp  
<http://ioc.unesco.org/its/contents.php?id=146>
- International Coordination Group for the Tsunami Warning System in the Pacific, "Indonesian Tsunami: Director-General Convenes the Task Force on Prevention of Natural Disasters," Peter Pissierssens (writer), UNESCO, IOC, *ITSU web site*, printout on 13 Jan. 2005, 2 pp  
<http://ioc.unesco.org/itsu/printer.php?id=148>
- International Coordination Group for the Tsunami Warning System in the Pacific, "Tsunami Recordings on Tide Gauges," UNESCO, IOC, *ITSU web site*, printout on 13 Jan. 2005, 2 pp.  
<http://ioc.unesco.org/itsu/printer.php?id=152>
- Ippen, A.T., F. Raichlen, and R.K. Sullivan, Jr., *Wave Induced Oscillations in Harbors: Effect of Energy Dissipators in Coupled Basin Systems*, Rept. No. 52, Hydrodynamics Lab., Mass. Inst. Tech., Cambridge, MA, July 1962
- Ippen, A.T., and Y. Goda, *Wave Induced Oscillations in Harbors*, Rept. No. 59, Hydrodynamics Lab., Mass. Inst. Tech., Cambridge, MA, 1963
- Isaacs, John D., *Field Report on the Tsunami of April 1, 1946*, an extensive report of the University of California Subgroup on the Oceanographic Section of Joint Task Force One, Univ. of California, Berkeley, College of Engineering, Tech. Rept. HE-116-216, 3 May 1946; maps, photographs, observations, Hawaiian newspaper articles; various pagination. This report is in the University of California, Water Resources Center Archives, Berkeley, CA
- Isaacs, John D., E.A. Williams, and C. Eckart, "Reflection of Surface Waves by Deep Water," *Trans. Amer. Geophys. Union*, Vol. 32, No. 1, 1951, pp 37-40
- Iseley, C.W., *Tsunami Detector Incorporating the Gas Purging Pressure Tide Gage*, U.S. Coast and Geodetic Survey, a manuscript, June 1961, 6 pp and 7 figs.
- Ishii, H., and K. Abe, "Propagation of Tsunami on a Linear Slope Between Two Flat Regions, Part I, Edge Wave," *Jour. Phys. Earth*, Vol. 28, 1980, pp 531-541
- Ishimoto, M., and T. Hagiwara, "The Tsunami Considered as a Phenomenon of Sea Water Overflowing the Land," *Bull. Earthquake Res. Inst.*, Tokyo Imperial Univ., Japan, Supplementary Vol. 1, 1934, pp 17-24
- International Tsunami Information Center, *Tsunami Newsletter*, Honolulu, Hawaii; first issued in 1968
- International Tsunami Information Center, *The Tsunami Warning System*, 2 July 2005, 2 pp. On Website  
<http://www.geophys.washington.edu/tsunami/general/warning/warning.html>
- International Tsunami Information Center, *Countries, Dependencies, and Other Political Division of the Pacific Affected by the Tsunami Warning System* (currently being updated), 2 July 2005, 2 pp  
[http://www.prh.noaa.gov/itic/more\\_about/itsu/countries\\_affected.html](http://www.prh.noaa.gov/itic/more_about/itsu/countries_affected.html)
- International Tsunami Information Center, *Past ITSU Meetings: Host Countries of ICG/ITSU Meetings*; 1st, 25-28 March 1969 (Honolulu, HI) - 20th, 3-7 Oct. 2005 (Valparaiso, Chile)  
[http://www.prh.noaa.gov/itic/more\\_about/itsu/past\\_meetings.html](http://www.prh.noaa.gov/itic/more_about/itsu/past_meetings.html)
- International Tsunami Symposium, 1981, Sendai-Ofunato - Kamaishii, Japan, May 1981: Proceedings. IUGG Tsunami Commission. Published as *Tsunamis: Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, 563 pp
- International Union of Geodesy and Geophysics (IUGG), *Symposium on Tsunamis, Centro de Investigacion Cientifica y de Educacion Superior de Ensenada, Baja California, Mexico, March 23-26, 1977*, printed by Marine Environmental Data Service, Dept. of Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Rept. Series No. 48, 1977, 285 pp
- Ishimoto, M., et al., "Papers and Reports on the Tsunami of 1993 on the Sanriku Coast, Japan," *Bull. Earthquake Research Inst., Suppl.*, Tokyo Univ., Vol. 1, Part I, 217 pp, 226 plates; Part II, 250 pp
- Issels, Hellmut, *Phuket Tsunami*, (Thailand), photos of Indian Ocean (Sumatra) tsunami runup and drawdown, 26 Dec. 2004  
[http://www.pbbase.com/issels/phuket\\_tsunami](http://www.pbbase.com/issels/phuket_tsunami)
- ITIC, "Indonesian Tsunami of August 19, 1977," by Anon., *ITIC Newsletter*, Vol. 10, No. 3, 1977, pp 1-3
- Ito, Tamekichi, "Investigation on the Building Damages Due to Tsunamis," *Jour. Inst. Japanese Architects*, Japan, Vol. 10, No. 120, 1896, pp 301-311
- Ito, Y., "On the Effect of Tsunami-Breakwater," *Coastal Engineering in Japan*, Japan Soc. of Civil Engineers, Vol. 13, 1970, pp 89-102
- Ito, Yoshiyuki, "Head Loss at Tsunami-Breakwater Opening," *Proc. 12th Coastal Engineering Conf., Washington, D.C., Sept. 13-18, 1970*, ed. J.W. Johnson, ASCE, 1971, Vol. III. pp 2,123-2,131
- ITSU National Reports, January 1998 through December 1999, different author for each country, *Tsunami Newsletter*, Vol. 31, 1998-1999, pp 3-29
- ITSU Sessions, List of Meetings, I (25-28 March 1968, Honolulu, HI) through XX (3-7 October 2005, Valparaiso, Chile), *Tsunami Newsletter*, Vol. 36, No. 4, (Not dated, but received in April 2005), p. 52
- IUGG 99, *Birmingham: Abstracts, Weeks A and B*, IUGG

- XXII General Assembly; Tsunami Observations, Modelling and Hazard Reduction (IASPEI, IAPSO, IAVCEI, IUGG Tsunami Commission), 1999, pp B.126-B.134  
<http://www.iugg.org/assemblies/1999birmingham/1999abstracts.pdf>
- IUGG 2005, Sapporo, Japan, June 30 - July 11, 2003: Abstracts, Week B, IUGG XXIII General Assembly, Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO), pp B.143-B.157  
<http://www.jamstec.go.jp/jamstec-e/iugg/index.html>
- Ivanov, V.V., and Yu.P. Korolyov, "On Tsunami Danger of Underwater Volcanic Eruptions," In *Abstracts of Reports of Tsunami Conference, Computer Centre, Novosibirsk, 1982*, pp 46-48
- Iwasaki, S., "Experimental Study of a Tsunami Generated by a Horizontal Motion of a Sloping Bottom," *Bull. Earth. Res. Inst., Tokyo Univ.*, Vol. 57, 1982, pp 239-262
- Iwasaki, S., "On the Estimation of a Tsunami Generated by a Submarine Landslide," *Proc. Inter. Tsunami Symposium, Vancouver, B.C, Canada, 1987*, pp 134-138
- Iwasaki, Sin-iti, A. Furumoto, and E. Honza, "Can a Submarine Landslide be Considered as a Tsunami Source," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 89-100
- Iwasaki, S., "The Wave Forms and Directivity of a Tsunami Generated by an Earthquake and a Landslide," *Science of Tsunami Hazards*, Vol. 15, No. 1, 1997, pp 23-40
- Iwasaki, S., T. Eguchi, Y. Fujinawa, et al., Iwasaki, T., and H. Togashi, "On the Shoreline and Leading Front Conditions of Tsunami Waves in the Light of the Method of Characteristics," *Coastal Engng. in Japan*, Vol. 13, 1970, pp 113-135
- Iwasaki, T., "Computer Aid for Optimum Design of Tsunami Waves," *Proc. 14th Coastal Engineering Conf., 1974*, ed. J.W. Johnson, ASCE, 1975, pp 642-659
- Iwasaki, Toshio, "Numerical Models of Huge Tsunamis Off the Sanriku Coast," *Proc. 15th Coastal Engineering Conference, July 11-17, 1976, Honolulu, Hawaii*, ed. J.W. Johnson, ASCE, 1977, Vol. 1, Ch. 62, pp 1,044-1,059
- Iwasaki, Toshio, "A Hybrid Simulation System Developed for Model Tests of Tsunamis in a Harbor," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 409-421
- Iwasaki, T., "Hydrodynamic Nature of Disasters by the Tsunamis of the Japan Sea Earthquake of May 1984," *Science of Tsunami Disasters*, Vol. 4, No. 1, 1986, pp 67-81
- Izmit Bay Tsunami Survey, Aug. 22-26, 1999, field survey by Ahmet Yalciner, Costas Synolakis, Jose Borrero, Martin Eshkijian, and John Freckman, Turkey Earthquake of 17 Aug. 1999, Magnitude 7.4. Univ. of Southern Calif. (USC), Map, and 17 color photographs. Printout made 30 Sept. 1999  
<http://www.usc.edu/dept/tsunamis/turkey/>
- Jacob, K.H. "Alaskan Seismic Gaps Quantified," *EOS, Trans., Amer. Geophys. Union*, Vol. 64, 1983, p. 258
- Jacob, K.H., "Estimates of Long-term Probabilities
- "Precise Tsunami Observation System in the Deep Ocean by an Ocean Bottom Cable Network for the Prediction of Earthquakes and Tsunamis," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 47-66
- Iwasaki, Sin-Iti, and Shoji Sakata, "Landslide Tsunami Generation Mechanism and Its Prediction for Early Tsunami Warning," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 229-242
- Iwasaki, T., and K. Horikawa, "Tsunami Caused by Chile Earthquake in May 1960 and Outline Disasters in Northeastern Coasts of Japan," *Coastal Engineering in Japan*, Vol. III, 1960, pp 33-48
- Iwasaki, T., A. Miura, and S. Terada, "On the Effect of the Breakwater in Case of Tsunami, Part 1 (The Model Experiment in Kesennuma Bay)," *Technology Reports of Tohoku University*, Sendai, Japan, Vol. 25, No. 2, 1961, pp 123-135
- Iwasaki, T., and A. Miura, "On the Effect of the Breakwater in Case of Tsunami. Part 2. (The Model Experiment in Kesennuma Bay)," *Technology Reports of Tohoku Univ., Japan*, Vol. 26, No. 2, 1962, pp 93-102
- Iwasaki, T., and A. Miura, "On the Model Experiment of Tsunami in Kesennuma Bay," *Coastal Engineering in Japan*, Vol. 5, 1962, pp 49-57
- Iwasaki, T., and H. Togashi, "On the Overland Flow of Tsunami and Effectiveness of Wall as a Counter Measure," *Coastal Engineering in Japan*, Vol. 11, Dec. 1968, pp 69-83  
 for Future Great Earthquakes in the Aleutians," *Geophys. Res. Lett.*, Vol. 11, 1984, pp 295-298
- Jaffe, B., G. Gelfenbaum, B. Benson, H. Davies, and M. Nongkas, "Sedimentation, Erosion, and Flow in the July 17, Papua New Guinea Tsunami," *EOS, Trans., Amer. Geophys. Union*, Vol. 79, 1998, p. F573
- Jaffe, B.E., and G. Gelfenbaum, "Using Tsunami Deposits to Improve Assessment of Tsunami Risk," *Solutions to Coastal Disasters '02: Conference Proceedings*, 2002, pp 836-847
- Jaggard, T.A., "Earthquake Wave in Hawaii," *Hawaiian Volcano Obs. Bull.*, HI, Vol. 11, 1923, p. 11
- Jaggard, Thomas A., "Tidal Waves," *Hawaiian Volcano Observatory, HI, Volcano Letter*, No. 50, 10 Dec. 1925, p. 1
- Jaggard, T.A., "Ocean Waves from Submarine Earthquakes," *Hawaiian Volcano Observatory, HI, Volcano Letter*, No. 274, 27 March 1930, p. 1-3
- Jaggard, Thomas A., Jr., "Hawaiian Damage from Tidal Waves," *Hawaiian Volcano Observatory, HI, Volcano Letter*, No. 321, 19 Feb. 1931, pp 1-3
- Jaggard, Thomas A., Jr., "Tsunami and Earthquake Tidal Wave of March 2, 1933," *Hawaiian Volcano Observatory, Volcano Letter*, No. 397, 1933, pp 1-2
- Jaggard, Thomas A., Jr., "The Great Tidal Wave of 1946," *Natural History*, New York, Vol. 55, No. 6, 1946, pp 263-268 and 293
- Japan Disaster Relief Team (Leader, Ka. Abe), *Report of Japan Disaster Relief Team (Expert Team) on the Earthquake in Republic of Indonesia of December 12,*

- 1992, Japan International Cooperation Agency (JICA), 1993, 106 pp
- Japan Meteorological Agency, *Report on the Tsunami of the Chilean Earthquake, 1960*, Japan Meteorological Agency Technical Report 8, 1961, 389 pp
- Japanese Organization for Tsunami Investigations, *The Annotated Bibliography of Tsunamis (1889-1962)*, (350 papers), published by JOTI, Preface by Ryutaro Takahasi, 1962, 51 pp
- Japanese Tsunami Committee, *Report on Tsunami Investigation in Japan, 1979-1982*, prepared for the International Union of Geodesy and Geophysics (IUGG) Tsunami Committee, Hamburg, Federal Republic of Germany, August 15-27, 1983
- Jeffreys, H., and B.S. Jeffreys, *Methods of Mathematical Physics*, 3rd ed., Cambridge University Press, U.K., 1956
- Jen, Juan, "Wave Refraction Near San Pedro Bay, California," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 95, No. WW3, Aug. 1969, pp 379-393
- Ji, C., *Preliminary Rupture Model*, 2005. Available online at [http://neic.usgs.gov/neis/eq\\_depot/2004/eq\\_041226/neic\\_slav\\_ff.html](http://neic.usgs.gov/neis/eq_depot/2004/eq_041226/neic_slav_ff.html)
- Jiang, L., and P.H. LeBlond, "The Coupling of a Submarine Slide and the Surface Waves Which It Generates," *Jour. Geophys. Res.*, Vol. 97, No. C8, 1992, pp 12,713-12,744
- Johnsgard, H., and G. Pedersen, "A Numerical Model for Three-dimensional Run-up," *International Jour. for Numerical Methods in Fluids*, Vol. 24, 1997, pp 913-931
- Johnson, Carl, and Charles L. Mader, "Modeling the 105 Ka Lanai Tsunami," *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994, pp 33-38
- Johnson, Frank, "Working Toward an Indian Ocean Tsunami Warning System. Feasibility of a High-resolution System with Shore-based Detection," *Sea Technology*, Vol. 46, No. 8, Aug. 2005, pp 19-20, 23-24, 26
- Johnson, J.M., and K. Satake, "Source Parameters of the 1957 Aleutian Earthquake from Tsunami Waveforms," *Geophys. Res. Lett.*, Vol. 20, 1993, pp 1,487-1,490
- Johnson, J.M., and K. Satake, "Rupture Extent of the 1938 Alaskan Earthquake as Inferred from Tsunami Waveforms," *Geophys. Res. Lett.*, Vol. 21, 1994, pp 733-736
- Johnson, J.M., and K. Satake, "Source Parameters of the 1957 Aleutian and 1938 Alaskan Earthquakes from Tsunami Waveforms," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 71-84
- Johnson, Jean M., Yuichiro Tanioka, Kenji Satake, and Larry L. Ruff, "Two 1993 Kamchatka Earthquakes," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 633-647
- Johnson, J.M., and K. Satake, "The 1965 Rat Islands Earthquake: A Critical Comparison of Seismic and Tsunami Wave Inversions," *Bull. Seismol. Soc. Amer.*, Vol. 86, 1996, pp 1,229-1,237
- Jiang, L., and P.H. LeBlond, "Numerical Modeling of an Underwater Bingham Plastic Mudslide and the Waves Which It Generates," *Jour. Geophys. Res.*, Vol. 98, No. C6, 1993, pp 10,303-10,317
- Jiang, L., and P.H. LeBlond, "Three-dimensional Modeling of Tsunami Generation due to a Submarine Mudslide," *Jour. Phy. Ocean.*, Vol. 24, 1994, pp 559-573
- Jin, Sobcom, and Fumihiko Imamura, "Study on the Tsunami Behaviors Near the Ulchin Nuclear Power Plant," In *21st International Tsunami Symposium, IUGG XXIII General Assembly, Sapporo, Japan, 9-10 July 2003: Abstracts*, pp B.145-B.146 <http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/main.html>
- Jing Fang, (ca 40 B.C.), "Earthquake in Water, then Water has Waves," a quote in the *Imperial Encyclopedia of the Tai-ping Reign Period*, (China), Scroll 880, page 1b. Compilation completed in 983 A.D., in 1,000 scrolls; this quote translated by Peter Ray, and given to R.L. Wiegel
- John A. Blume & Associates, Research Division, *Seiche and Tsunami Effects from Nuclear Excavation of an Inter-oceanic Canal*, Contract AT (26-1) - 99, under auspices of AEC/NVOO for the Atlantic-Pacific Inter-oceanic Canal Study Commission, San Francisco, CA, Rept. No. NVO-99-24, Feb. 1968, 8 pp, 1 fig., and 35 page appendix by Robert L. Wiegel
- Johns, Bryan, "Fundamental Mode Edge Waves Over a Steeply Sloping Shelf," *Jour. Mar. Res.*, Vol. No. 3, 15 Sept. 23, 1965, pp 200-206
- Johnson, J.M., K. Satake, S.R. Holdahl, and J. Sauber, "The 1964 Prince William Sounds Earthquake: Joint Inversion of Tsunami and Geodetic Data," *Jour. Geophys. Res.*, Vol. 101, 1996, pp 523-571
- Johnson, J.M., and K. Satake, "Estimation of Seismic Moment and Slip Distribution of the 1 April 1946 Aleutian Tsunami Earthquake," *Jour. Geophys. Research*, Vol. 102, 1997, pp 11,765-11,774
- Johnson, Jean M., and Kenji Satake, "Asperity Distribution of Alaskan-Aleutian Earthquakes: Implications for Seismic and Tsunami Hazards," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 67-81
- Johnson, Jean M., "Heterogeneous Coupling Along Alaska-Aleutians as Inferred from Tsunami, Seismic, and Geodetic Inversions," *Advances in Geophysics*, Vol. 39, 1999, pp 1-116
- Johnson, Jo, "Sri Lanka. Slow Pace of Recovery Leads to Rising Tension," *Financial Times*, June 25/June 26, 2005, p. 4
- Johnson, Rockne H., "The Hilo Tsunami Gage System," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 134-135
- Johnson, R.H., "Estimating Earthquake Rupture Length from T Waves," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 251-259
- Johnson, R.S., "A Nonlinear Equation Incorporating Damping and Dispersion," *Jour. Fluid. Mech.*, Vol. 42, 1970, pp 49-60

- Johnson, R.S., "On the Inverse Scattering Transform, the Cylindrical Korteweg-de Vries Equation and Similarity Solutions," *Phys. Lett.*, Vol. A72, 1979, pp 197-199
- Johnston, Tim, and Shawn Donnan, "WHO Fears Long-term Trauma in Survivors," *Financial Times*, Jan. 22/Jan. 23, 2005, p. 4
- Johnston, Tim, "Tsunami Warning System on Course," *Financial Times*, Aug. 6/ Aug. 7, 2005, p. 3
- Johnstone, J.H.L., "The Acadian - Newfoundland Earthquake of November 18, 1929," *Proc. Trans. Nova Scotia Inst. Sci.*, Vol. 17, No. 4, 1929-1930, pp 223-237
- Jones, Austin E., "Earthquake and Sea Wave of October 3, 1931," Hawaiian Volcano Observatory, HI, *Volcano Letter*, No. 361, 26 Nov. 1931, pp 2-3
- Jones, A.T. "A Comment on 'Catastrophic Wave Erosion on the Southeastern Coast of Australia: Impact of the Lanai Tsunami ca 105 Ka?'," *Geology*, Vol. 20, 1992, pp 1,150-1,151
- Jones, A.T., *Elevated Fossil Coral Deposits in the Hawaiian Islands: A Measure of Island Uplift in the Quaternary*, PhD. thesis, Univ. Hawaii, Honolulu, 1993, 174 pp
- Jones, A.T., and C.L. Mader, "Modeling of Tsunami Propagation Directed at Wave Erosion of the Southeastern Australian Coast 105,000 Years Ago," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 45-52
- Jorstad, F., "Waves Generated by Landslides in Norwegian Fjords and Lakes," *Norwegian Geotechnical Institute, Publ. 79*, 1968, pp 13-31
- Joy, Joseph W., *Tsunamis and Their Occurrence Along the San Diego County Coast*, Westinghouse Ocean Research Lab., San Diego, CA, prepared for Unified San Diego County Civil Defense and Disaster Organization, June 1968, 35 pp and appendices
- Kagan, Y.Y., and D.D. Jackson, "New Seismic Gap Hypothesis: Five Years After," *Jour. Geophysical Research*, Vol. 100, No. B3, 1995, pp 3,943-3,959
- Kaistrenko, V.M., R. Kh. Mazova, E.N. Pelinovsky, and K.V. Simonov, "Analytical Theory for Tsunami Run Up on a Smooth Slope," *Science of Tsunami Hazards*, Vol. 9, No. 2, 1991, pp 115-127
- Kaistrenko, V.M., "Probability Model of Tsunami Run-Up," In *International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers*, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, USSR, 1989, p. 82
- Kaistrenko, V., and V. Sedaeva, "1952 North Kuril Tsunami; New Data from Archives," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 91-102
- Kajiura, K., "The Leading Wave of a Tsunami," *Bulletin Earthquake Research Institute*, Univ. Tokyo, Japan, Vol. 41, No. 3, 1963, pp 535-571
- Kajiura, K., "On the Partial Reflection of Water Waves Passing Over a Bottom of Variable Depth," *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Aug. - Sept. 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, IUGG, Paris, July 1963, pp 206-230
- Jones, A.T., and C.L. Mader, "Wave Erosion on the Southeastern Coast of Australia: Tsunami Propagation Modelling," *Australian Jour. Earth Sci.*, Vol. 43, 1997, pp 479-484
- Jonietz-Trisler, Chris, and Jeanette Mullin, *1997-1999 Activities of the Tsunami Mitigation Subcommittee: Alaska, California, Hawaii, Oregon, Washington, FEMA*; Report to the Steering Committee, National Tsunami Hazard Mitigation Program: NOAA, FEMA, USGS, Alaska, California, Hawaii, Oregon, Washington, August 1999, 45 pp
- Jonsson, I.G., O. Skovgaard, and O. Brink-Kjaer, "Diffraction and Refraction Calculations for Waves Incident on an Island," *Jour. Marine Res.*, Vol. 34, No. 3, Aug. 1976, pp 469-496
- Jonsson, I.G., and O. Skovgaard, "A Mild-slope Equation and Its Application to Tsunami Calculations," *Marine Geodesy*, Vol. 2, 1979, pp 41-58
- Jordaan, J.M., Jr., *Feasibility of Modeling Run-up Effects of Dispersive Water Waves*, U.S. Navy Civil Engineering Lab., Port Hueneme, CA, Tech. Note N-691, May 1965
- Jordan, J.N., J.F. Lander, and R. Black, "Aftershocks of the 4 February 1965 Rat Islands Earthquake," *Science*, Vol. 148, No. 3675, 1965, pp 1,323-1,324
- Jorstad, F.A., "Fjellskreder ved Tjelle; et 200-ars Minne," *Naturen*, Vol. 80, No. 6, 1956, pp 323-333
- Kajiura, K., "Tsunami," *Zisin (Jour. Seismol. Soc. Japan)*, Vol. 20, No. 4, 1967, pp 219-222
- Kajiura, K., "Tsunami Source, Energy and the Directivity of Wave Radiation," *Bull. Earthquake Research Institute, Tokyo Univ., Japan*, Vol. 48, 1970, pp 835-869
- Kajiura, K., "The Directivity of Energy Radiation of the Tsunami Generated in the Vicinity of a Continental Shelf," *Jour. of the Oceanogra. Soc. of Japan*, Vol. 28, No. 6, 1972, pp 32-48
- Kajiura, Kinjiro, "Source Mechanism of Earthquake and Tsunami Generation - A Review," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 231-239
- Kajiura, Kinjiro, "Local Behavior of Tsunamis Waves in Water of Variable Depth," *Lecture Notes in Physics*, eds. D.G. Provis and R. Radok, Springer Verlag, Berlin, Vol. 64, 1976, pp 72-79
- Kajiura, Kinjiro, "Tsunami Generation," In *Proc. National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 15-36
- Kajiura, Kinjiro, "Tsunami Energy in Relation to Parameters of Earthquake Fault Model," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Vol. 56, 1981, pp 415-440
- Kajiura, Kinjiro, "Runup of a Transient Wave on a Sloping Beach," *Proc.: 1983 Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, PMEL/NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 203-204



- Kajiura, Kinjiro, "Some Statistics Related to Observed Tsunami Heights along the Coast of Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 131-145
- Kajiura, Kinjiro, "Height Distribution of the Tsunami Generated by the Nihonkai-Chubu Earthquake," *Science of Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 3-14 pp
- Kajiura, K., and N. Shuto, "Tsunamis," In *The Sea: Ideas and Observations on Progress in the Study of the Sea*, Vol. 9, Part A, *Ocean Engineering Science*, eds. Bernard Le Mehaute and Daniel M. Hanes, Wiley Interscience Pub., New York, 1990, pp 395-420
- Kajiura, Kinjiro, (Obituary; died 23 June 2004), "Long-time IUGG Tsunami Committee Officer Passes Away," by Yoshinobu Tsuji, *Tsunami Newsletter*, Vol. 36, No. 2, April-July 2004, p. 1
- Kakinuma, T., and T. Tomita, "3D Numerical Simulation of Tsunami Runup," In *Oceans '04, MTS/IEEE/ Techno-Ocean '04 Conf. Proceedings*, 2004, pp 146-151
- Kakinuma, Taro, and Takashi Tomita, "Development of Storm Surge and Tsunami Simulator in Oceans and Coastal Areas," In *Coastal Engineering 2004: Proc. of the 29th International Conference*, (ICCE 2004), ed. Jane McKee Smith, World Scientific, New Jersey, 2005, pp 1,552-1,564
- Kaldhol, H., and Niels-Hern Kolderup, "The Landslide in Tafjord;" translation by Liv Stueland of "Skredet Kanahele, George S., Waikiki, 100 B.C. to 1900 A.D.: An Untold Story, The Queen Emma Foundation, Honolulu, HI, distributed by the Univ. Hawaii Press, 1996, 185 pp. See pp 142-143 for quote from biography by Harriet N.F. Deming (unpublished), on tsunami withdrawal from reef at Waikiki in 1868 or 1869
- Kanamori, H., "Tectonic Implications of the 1944 Tonankai and 1946 Nankaido Earthquakes," *Phys. Earth & Planetary Interiors*, Vol. 5, 1972, pp 129-139
- Kanamori, H., "Mechanism of Tsunami Earthquakes," *Phys. Earth Planetary Interiors*, Vol. 6, No. 5, Dec. 1972, pp 346-359
- Kanamori, H., and J.J. Ciper, "Focal Process of the Great Chilean Earthquake, May 22, 1960," *Phys. Earth & Planetary Interiors*, Vol. 9, No. 2, Sept. 1974, pp 128-136
- Kanamori, H., and D.K. Anderson, "Theoretical Basis of Some Empirical Relations in Seismology," *Bull. Seism. Soc. Amer.*, Vol. 65, No. 5, Oct. 1975, pp 1,073-1,095
- Kanamori, H., "The Energy Release in Great Earthquakes," *Jour. Geophys. Res.*, Vol. 82, 1977, pp 2,981-2,987
- Kanamori, H., and J.W. Given, "Use of Long-period Surface Waves for Fast Determination of Earthquake Source Parameters," *Phys. Earth & Planetary Inter.*, Vol 27, No. 1, Oct. 1981, pp 8-31
- Kanamori, H., and K.C. McNally, "Variable Rupture Mode of the Subduction Zone Along the Ecuador-Columbian Coast," *Bulletin, Seismological Society of America*, Vol. 72, 1982, pp 1,241-1,253
- Kanamori, H., and J.W. Given, "Use of Long Period Seismic Waves for Rapid Evaluation of Tsunami i Tafjord 7 April 1934," *Bergens Museums Arbok 1936 (Bergen Museum's Yearbook 1936)*, Nat. Rekke., Vol. 2, No. 11, 1937, 15 pp and 4 figs.
- Kallner-Amiran, D.A., "A Revised Earthquake Catalog of Palestine," *Israel Explor.*, Jerusalem, Vol. 1, 1952, pp 223-246
- Kallner-Amiran, D.A., "A Revised Earthquake Catalog of Palestine," *Israel Explor.*, Jerusalem, Vol. 2, 1952, pp 48-65
- Kamel, A., *Stability of Rubble-Mound Tsunami Barrier, Hilo Harbor, Hawaii*, Tech. Rept. No. 2-792, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Aug. 1967
- Kamel, Adel M., "Laboratory Study for Design of Tsunami Barrier," *Jour. Waterways, Harbors, Coastal Eng., Div., Proc. ASCE*, Vol. 96, 1970, pp 767-779
- Kamel, Adel M., "Tsunami Protection for Hilo Harbor, Hawaii," *PIANC Bulletin* No. 18, 1974, pp 45-62
- Kamphaus, R.A., D. Divins, and F.I. Gonzalez, "Combination of Bathymetry and Topography for Tsunami Modeling," In *Tsunami Observations, Modelling and Hazard Reduction, Birmingham, July 1999, IUGG XXII General Assembly: Abstracts*, 19th IUGG International Tsunami Symposium, 1999, p. B.134
- Kamphuis, J.W., and R.J. Bowering, "Impulse Waves Generated by Landslides," In *Proc. Twelfth Coastal Engrg. Conf., Sept. 23-28, 1970, Washington, D.C.*, ed. J.W. Johnson, ASCE, Vol. 1, 1971, pp 575-588
- Potential of Large Earthquakes," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Pub. Co., Tokyo, 1983, pp 37-49
- Kanamori, H., "Rupture Process of Subduction-zone Earthquakes," *Ann. Rev. Earth and Planet. Sci.*, Vol. 14, 1986, pp 293-322
- Kanamori, H., and K. Satake, "Broadband Study of the 1989 Loma Prieta Earthquake," *Geophys. Res. Lett.*, Vol. 17, 1990, pp 1,179-1,182
- Kanamori, H., M. Kikuchi, "The 1992 Nicaragua Earthquake: A Slow Tsunami Earthquake Associated with Subducted Sediments," *Nature*, Vol. 361, 22 Feb. 1993, pp 714-716
- Kanoglu, U., and C.E. Synolakis, "Long Wave Run-up on Piecewise Linear Topographies," *Jour. Fluid Mech.*, Vol. 374, Nov. 1998, pp 1-28
- Kapinski, J., "Lagrangian-Eulerian Approach to Modelling of Wave Transformation and Flow Velocity in the Swash Zone and Its Seaward Vicinity," *Archives of Hydro-Engineering and Environmental Mechanics*, IH PAS Gdansk, Poland, Vol. 50, 2003, pp 165-192
- Kapinski, J., "Two-dimensional Modelling of Wave Motion in Shallow-water Areas," *Archives of Hydro-Engineering and Environmental Mechanics*, IH PAS Gdansk, Poland, Vol. 51, 2004, pp 3-24
- Kaplan, K., *Generalized Laboratory Study of Tsunami Run-up*, U.S. Army Corps of Engineers, Beach Erosion Board, Wash. D.C., Tech. Memo. TM 60, Jan. 1955, 29 pp
- Kaplan, Kenneth, "Design Problems Involved in Protection from Tsunamis," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 82, No. WW3, Paper 968, May 1956, pp 968-1 through 968-12

- Karambas, Th. V., Y. Krestenitis, and C. Koutitas, "Numerical Model on Tsunami Propagation," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 63-71
- Karlsruud, K., and L. Edgers, "Some Aspects of Submarine Slope Stability," In *Marine Slides and Other Mass Movements*, Plenum, New York, 1980, pp 61-81
- Karnik, V., "Tsunamis," In *Seismicity of the European Area. Part II*, C. Reidel Publ. Co., Dordrecht, The Netherlands, 1971, pp 203-206
- Karo, H. Arnold, "What We are Doing About Seismic Sea Waves," *Proc. Sixth Conf. on Coastal Engineering, Florida, December 1957*, ed. J.W. Johnson, Council on Wave Research, The Engineering Foundation, Berkeley, CA, 1958, pp 163-170
- Kasahara, Junzo, Robert R. Harvey, Stephen L. Poole, and Akio Takagi, *Preliminary Report of Seismological Results of the Second Soviet-American Tsunami Expedition*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, HI, HIG-79-10, Dec. 1979, 25 pp
- Kasahara, K., "Earthquake Fault Studies in Japan," *Phil. Trans., Roy. Soc. (London)*, Ser. A, Vol. 247, 1973, pp 287-296
- Kastens, K.A., and M.B. Cita, "Tsunami-induced Sediment Transport in the Abyssal Mediterranean Sea," *Geol. Soc. Amer. Bull.*, Vol. 92, 1981, pp 479-483
- Kawamata, K., K. Takaoka, K. Ban, F. Imamura, S. Yamaki, and E. Kobayashi, "Model of Tsunami Generation by Collapse of Volcanic Eruption: the 1741 Oshima-Oshima Tsunami," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Kawata, Y., Y. Tsuji, A.R. Syamsudin, Sunarjo, M. Matsuyama, H. Matsutomi, F. Imamura, and T. Takahashi, "Response of Residents at the Moment of Tsunamis - The 1992 Flores Island Earthquake Tsunami, Indonesia," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, (Proc. of the IUGG/IOC International Tsunami Symposium, Wakayama, Japan, Aug. 23-27, 1993), eds. Y. Tsuchiya and N.Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 173-185
- Kawata, Yoshiaki, "Improvement of Earthquake-Tsunami Warning Systems and Humanware Management," In *Proc. Sino-US Symposium on Post-Earthquake Rehabilitation and Reconstruction, 1995*, pp 463-471; also, In *Post-Earthquake Rehabilitation and Reconstruction*, Pergamon Press, 1996, pp 463-471
- Kawata, Y., and N. Koike, "Generation of Tsunami Hazard Map with Numerical Simulation," *Proc. Coastal Engrg.*, JSCE, Japan, Vol. 43, 1996, pp 1,301-1,305
- Kawata, Y., B.C. Benson, J.C. Borrero, J.L. Borrero, H.L. Davies, W. P. de Lange, F. Imamura, H. Letz, J. Nott, and C.E. Synolakis, "Tsunami in Papua New Guinea was as Intense as First Thought," *EOS, Trans., AGU*, Vol. 80, No. 9, 1999, pp 101 and 105
- Kawata, Yoshiaki, *Field Survey on the 1998 Tsunami in the Northwestern Area of Papua New Guinea*, Research Center for Disaster Reduction Systems, Japan, Ministry of Education, Science, Sports and Culture, Grant-in-Aid for Scientific Research (B) (1), Kyoto Univ., 1999, 81 pp and illustrations
- Kawata, Y., "Tsunami Disaster Reduction in Japan and
- Katili, John A., and F. Hehuwat, "On the Occurrence of Large Transcurrent Faults in Sumatra, Indonesia," *Jour. of Geosciences*, Osaka City University, Vol. 10, Art. 1-1, pp 5-17
- Kato, Fuminori, Shinji Sato, and Harry Yeh, "Large Scale Experiment of Dynamic Response of Sand Bed Around Cylinder Due to Tsunami," In *Coastal Engineering 2000: Conference Proceedings, Sydney, Australia, July 16-21, 2000*, ed. Billy L. Edge, ASCE, Vol. 2, 2001, pp 1,848-1,859
- Kato, Yoshio, K. Noritomi, J. Oosaka, and A. Takagi, "Report of Tsunami in Shizugawa Harbor Accompanying Tokachi Earthquake of March 4, 1952," *Science Reports of Tohoku Univ.*, Japan, Ser. 5, Geophysics, Vol. 4, No. 3, 1953, pp 143-145
- Kawaguchi, T., H. Takeuchi, and S. Itoh, "New Tsunami Countermeasures that Take into Consideration the Development of the Living Environment and Coastal Landscape," *Proc. IUGG/IOC International Symposium, 1993*, pp 481-493
- Kawaguchi, T., S. Itoh, and H. Takeuchi, "Case Studies of Tsunami Countermeasure Considering Coastal Environment," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 249-262
- Kawahara, M., N. Takeuchi, and T. Yoshida, "Two Step Explicit Finite Element Method for Tsunami Wave Propagation Analysis," *Inter. Jour. Numerical Methods in Eng.*, Vol. 12, 1978, pp 331-351  
Its Perspective," In *Proc. of the 6th Japan/United States Workshop on Urban Earthquake Hazard Reduction, 1999*, pp 127-130; also in *English Research Papers on Coastal Engineering, 1995-2000*, Disaster Prevention Research Institute, Kyoto University, Japan, 2001, pp 491-494
- Kayal, M., and M.L. Wald, "Asia's Deadly Waves: Scientists at Warning Center Alert for the Quake, None for a Tsunami," *New York Times*, Dec. 28, 2004, Sect. a, p. 1
- Kazmin, Amy, "Thailand 'Will Pay for Its Own Reconstruction'," *Financial Times*, 4 Jan. 2005, p. 2
- Kazmin, Amy, "Thailand. Rebuilt Resorts Struggle to Tempt Tourists Back in Large Numbers," *Financial Times*, June 25/June 26, 2005, p. 4
- Kearney, Marianne, "Southern Asian Tsunami 6 Months Later. Village Being Rebuilt With Recycled Material," *San Francisco Chronicle*, CA, 25 June 2005, p. A10
- Keating, B.H., "Side-scan Sonar Images of Submarine Landslides on the Flanks of Atolls and Guyots," *Marine Geodesy*, Vol. 12, 1998, pp 124-144
- Keating, Barbara H., Christopher F. Waythomas, and Alastair G. Dawson, editors, *Landslides and Tsunamis, Pure and Applied Geophysics*, a special issue, Birkhauser, Basel, Vol. 157, 2000, pp 871-1,313
- Keating, Barbara H., and W.J. McGuire, "Island Edifice Failures and Associated Tsunami Hazards," In *Landslides and Tsunamis, Pure and Applied Geophysics*, Vol. 157, 2000, pp 899-955
- Keating, Barbara, Franziska Whelan, and Julie Bailey-Brock, "Tsunami Deposits at Queen's Beach, Oahu, Hawaii: Initial Results and Wave Modeling," *Science of Tsunami Hazards*, Vol. 22, No. 1, 2004, pp 23-43

- Keating, Barbara H., Charles Helsley, Zaha Waheed, Dale Dominey-Howes, "2004 Indian Ocean Tsunami on the Maldives Islands: Initial Observations," *Science of Tsunami Hazards*, Vol. 23, No. 2, 2005, pp 19-70. Downloaded from <http://www.sthjournals.org/>
- Keefer, D.K., "Landslides Caused by Earthquakes," *Geological Soc. Amer. Bull.*, Vol. 95, 1984, pp 406-421
- Keith, Arthur, "The Grand Banks Earthquake," *Proc. 1930 Meeting, Seismol. Soc. Amer.*, Eastern Sect., Washington D.C., 1930, pp 1-5
- Keith, J.M., and E.J. Murphy, "Harbor Study for San Nicholas Bay, Peru," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 96, No. WW2, May 1970, pp 251-273
- Kelleher, J.A., "Rupture Zones of Large South American Earthquakes and Some Predictions," *Jour. Geophysical Research*, Vol. 77, No. 11, 10 April 1972, pp 2,087-2,103
- Kelleher, J.A., L.R. Sykes, and J. Oliver, "Possible Criteria for Predicting Earthquake Locations and their Application to Major Plate Boundaries of the Pacific and the Caribbean," *J. Geophys. Res.*, Vol. 78, 1973, pp 2,547-2,585
- Kelleher, John, John Savino, Hugh Rowlett, and William McCann, "Why and Where Great Thrust Kelsey, H.M., R.C. Winter, and E. Hemphill-Haley, "Plate-boundary Earthquakes and Tsunamis of the Past 5500 Yr, Sixes River Estuary, Southern Oregon," *Geological Soc. Amer. Bull.*, Vol. 114, 2002, pp 298-314
- Kelvin, Lord, "Initiation of Deep-Sea Waves of Three Classes: (1) from a Single Displacement; (2) from a Group of Equal and Similar Displacements; (3) by a Periodically Varying Surface-pressure," *Proc. Royal Society (Edinburgh)*, Vol. 26, Nov. 1906, pp 399-436
- Kennard, E.H., "Generation of Surface Waves by a Moving Partition," *Q. Appl. Math.*, Vol. 7, No. 3, 1949, pp 303-312
- Kerney, Marianne, (Chronicle Foreign Service), "Near Epicenter: Indonesia Island's Streets Like Morgue," *San Francisco Chronicle*, CA, 28 Dec. 2004, p. A10
- Kerr, Richard A., "Tidal Waves: New Method Suggested to Improve Prediction," *Science*, Vol. 200, No. 4341, 5 May 1978, pp 521-522
- Kerr, Richard A., "Dinosaur's Death Blow in the Caribbean Sea?," *Science*, Vol. 248, No. 4957, 18 May 1990, p. 815
- Kerr, Richard A., "Huge Impact Tied to Mass Extinction," *Science*, Vol. 357, No. 5072, 14 Aug. 1992, pp 878-880
- Kerr, R.A., "Faraway Tsunami Hints at a Really Big Northwest Quake," *Science*, Vol. 267, 1995, p. 962
- Kerr, Richard A., "Failure to Gauge the Quake Crippled the Warning Effort," *Science*, Vol. 307, No. 5707, 14 Jan. 2005, pp 201
- Kerr, Richard, "Model Shows Islands Muted Tsunami After Latest Indonesian Quake," *Science*, Vol. 308, No. 5720, 15 April 2005, p. 341
- Keulegan, G.H., and G.W. Patterson, "Mathematical Earthquakes Occur Along Island Arcs," *Jour. of Geophysical Research*, Vol. 79, No. 32, 10 Nov. 1974, pp 4,889-4,899
- Kelleher, J., and J. Savino, "Distribution of Seismicity Before Large Strike Slip and Thrust-type Earthquakes," *Jour. Geophys. Res.* Vol. 80, 10 Jan. 1975, pp 260-271
- Kelleher, J., *Summary Map of Tsunami Source Area*, shown at the workshop by Kelleher, and reproduced in "Comments on 'Characteristics of Ground Motion' by H. Kanamori," In *Tsunamis: Proc. of the National Science Foundation Workshop, 1979*, eds. L.S. Hwang and Y.K Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 10-12
- Keller, J.B., "The Solitary Wave and Periodic Waves in Shallow Water," *Communications in Pure and Applied Mathematics*, Vol. 1, 1948, pp 323-339
- Keller, J.B., "Tsunami Water Waves Produced by Earthquakes," *Proc. Tsunami Meetings Associated with the Tenth Pacific Congress, Honolulu, Hawaii, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, Paris, July 1963, pp 154-166
- Keller, J.B., and H.B. Keller, *Water Wave Run-up on a Beach*, Service Bureau Corporation, Research Report, Contract No. NONR-3828(00), Office of Naval Research, Dept. of the Navy, June 1964, 21 pp and appendix
- Theory of Irrotational Translation Waves," *Journal of Research, National Bureau of Standards*, Vol. 24, Jan. 1940, pp 47-101
- Keulegan, Garbis H., "Wave Motion," In *Engineering Hydraulics*, ed. Hunter Rouse, John Wiley and Sons, Inc., New York, Ch. 11, 1950, pp 711-768
- Keulegan, Garbis, H., *A Review of the Experimental Data Relative to the First Pilot Model Study for the Design of Hilo Harbor Tsunami Model*, Memo. for Robert Y. Hudson, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, 15 Nov. 1965, 31 p and 34 figures
- Keulegan, G.H., *The Approximate Theories of Pneumatic Wave Generators: Hydraulic Laboratory Investigation*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Rept. No. AEWRS-RR-2-7, April 1966, 113 pp
- Keulegan, G.H., *A Review of the Experimental Data Relative to the Pilot Model Study for the Design of the Hilo Harbor Tsunami Model*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Misc. Paper No. 2-883, April 1967, 48 pp
- Keulegan, Garbis H., J. Harrison, and M.J. Mathews, *Theoretics in Design of the Proposed Crescent City Harbor Tsunami Model*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. H-69-9, 1969, 124 pp (68 pp, 3 tables, 5 appendices)
- Keulegan, Garbis H., and John Harrison, "Tsunami Refraction Diagrams by Digital Computer," *Jour. of the Waterways and Harbors Div., Proc. ASCE*, Vol. 96, No. WW2, May 1970, pp 219-233
- Keys, J.G., *History of Tsunamis in Samoa*, Apia Obs., Samoa, 1957, 6 pp
- Keys, J.G., "The Tsunami of 22 May 1960 in the Samoa and Cook Islands," *Bull. of the Seismological Soc. of America*, Vol. 53, No. 6, Dec. 1963, pp 1,211-

1,227

Khan, S.A., and Olafur Gudmundsson, "GPS Analysis of the Sumatra-Andaman Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 9, 1 March 2005, pp 89 and 94

Kienle, Jurgen, Zygmunt Kowalik, and T.S. Murty, "Tsunamis Generated by Eruptions from Mount St. Augustine," *Science*, Vol. 236, No. 4807, 12 June 1977, pp 1,442-1,447

Kienle, Jurgen, Zygmunt Kowalik, and Elena A. Troshina, "Propagation and Runup of Tsunami Waves Generated by Mt. St. Augustine Volcano, Alaska," *Science of Tsunami Hazards*, Vol. 14, No. 3, 1996, pp 191-206

Kikuchi, M., and Y. Fukao, "Seismic Wave Energy Inferred from Long-period Body Wave Inversion," *Bull. Seismol. Soc., Amer.*, Vol. 78, 1988, pp 1,707-1,724

Kikuchi, Masayuki, and Hiroo Kanamori, "Source Characteristics of the 1992 Nicaragua Tsunami Earthquake Inferred from Teleseismic Body Waves," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 441-453

Kikuchi, M., Y. Yamanaka, K. Abe, and Y. Morita, "Source Rupture Process of the Papua New Guinea Earthquake of July 17, 1998 Inferred from Teleseismic Body Waves," *Earth Planets Space*, Vol. King, Laura, "Quake Turns Seaside Neighborhood Into Watery Tomb," (Golcuk, Turkey), *San Francisco Chronicle*, CA, 23 Aug. 1999, p. A10

Kintisch, Eli, "U.S. Clamor Grows for Global Network of Ocean Sensors," *Science*, Vol. 307, No. 5707, 14 Jan. 2005, p. 191

Kintisch, Eli, "Global Tsunami Warning System Takes Shape," *Science*, Vol. 307, No. 5708, 21 Jan. 2005, p. 331

Kirkgoz, M.S., "Breaking and Run-up of Long Waves," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing, Co., Tokyo, 1983, pp 467-478

Kirkwood, J. G., and R.J. Seeger, "Surface Waves from an Underwater Explosion," *Underwater Explosion Research, II*, U.S. Navy, ONR, 1950, pp 707-760

Kishi, Tsutomu, "Transformation, Breaking and Run-up of a Long Wave," *Proc. 7th Conf. on Coastal Engrg., Mexico City, Mexico*, Nov. 1962, ed. J.W. Johnson, Council on Wave Research, The Engineering Foundation, Univ. Calif., Berkeley, CA, 1963, pp 60-76

Kishi, T., and H. Saeki, "The Shoaling, Breaking, and Runup of the Solitary Wave on Impermeable Rough Slopes," *Proc. Tenth Conf. on Coastal Engineering*, ed. J.W. Johnson, ASCE, Ch. 21, 1966, pp 322-346

Kishinouye, Fuyuhiko, and Kumizi Iida, "The Tsunami that Accompanied the Oga Earthquake of May 1, 1939," *Bull. Earthquake Research Institute*, Tokyo Imperial Univ., Japan, Vol. 17, 1939, pp 733-740

Kliener, Gregg, *World's Largest Wave Basin Ready to Make Big Splash at OSU*, Oregon State University, Corvallis, 2 pp downloaded 9 Sept. 2005 <http://nees.oregonstate.edu/>

Knowles, C.E., and R.O. Reid, *The Inverse Tsunami Problem for Symmetric Islands of Simple Shape*, Texas

51, 1999, pp 1,319-1,324

Kilbourne, Richard T., and George J. Saucedo, "Gorda Basin Earthquake, Northwestern California," (tsunami warning issued, but no tsunami), *California Geology*, Vol. 34, No. 3, March 1981, pp 53-57

Kim, Sang-Jo, "7.12.1993 East Sea Tsunami in Korea, Report to ITSU-XIV," *Tsunami Newsletter*, Vol. 25, No. 2, Dec. 1993, pp 8-9

Kim, S.K., and Y. Shimazu, "Simulation of Tsunami Runup and Estimate of Tsunami Disaster by the Expected Great Earthquake in the Tokai District, Central Japan," *Jour. Earth Sci., Nagoya Univ., Japan*, Vol. 30, 1982, pp 1-30

Kim, Sung-Dae, *Tsunami Wave Simulation by Sign Method. Its Application in East Sea*, Dept. Oceanography, Seoul National Univ., Seoul, Korea, [8], 1992

King, Carol, "The Walls of Jericho Really Did Tumble Down," *San Francisco Sunday Examiner & Chronicle*, CA, 25 Dec. 1988, Sunday Punch Section, p. 3 (tsunami, Dead Sea, 362 A.D. and 1546 A.D.)

King, D.R., and P.H. LeBlond, "The Lateral Wave at a Depth Discontinuity in the Ocean and Its Relevance to Tsunami Propagation," *Jour. Fluid Mech.*, Vol. 117, 1982, pp 269-282

A&M Univ., Dept. Oceanogr., Tech. Rept., 1970, 19 pp

Knuuti, Kevin, and Lesley Ewing, "Tsu [Harbor] Nami [Wave]." *California Coast & Ocean*, Vol. 18, No. 3, Autumn 2002, pp 3-8

Ko, K., and H.H. Kuehl, "Cylindrical and Spherical Korteweg-de Vries Solitary Waves," *Phys. Fluids*, Vol. 22, 1979, pp 1,343-1,348

Koenig, Robert, "Modeling a 3600-Year-Old Tsunami Sheds Light on Minoan Past," *Science*, Vol. 293, No. 5533, 17 Aug. 2001, p. 1,252

Koenig, Robert, "Researchers Target Deadly Tsunamis," *Science*, Vol. 293, No. 5533, 17 Aug. 2001, pp 1,251-1,253

Koh, R.C.Y., and B. Le Mehaute, *Wave Run-up, State-of-the-Art*, NESCO Rept. No. SN24B, National Engineering Science Co. Pasadena, CA, DASA Rept. No. DASA 1761-3, 1966

Kolar, R.L., J.J. Westerink, M.E. Cantekin, and C.A. Blain, "Aspects of Nonlinear Simulations Using Shallow Water Models Based on the Wave Continuity Equation," *Comp. Fluids*, Vol. 23, No. 3, 1994, pp 523-538

Komar, Paul D., *Beach Processes and Sedimentation*, 2nd Edition, Prentice-Hall, Inc., 1976, 544 pp (tsunamis, pp 196-199)

Komar, Paul D., *The Pacific Northwest Coast. Living With the Shores of Oregon and Washington*, Duke Univ. Press, 1997, 195 pp

Komar, Paul D., James McManus, and Michael Styllas, "Sediment Accumulation in Tillamook Bay, Oregon: Natural Processes versus Human Impacts," *Jour. of Geology*, Vol. 112, 2004, pp 455-469

Kong, Laura, and Atu Kaloumaira, "Developing Pacific Islands Regional Strategies to Reduce Tsunami Risks: South Pacific Tsunami Awareness Workshop, July 1-3,

- 2004, Suva, Fiji Islands," *Tsunami Newsletter*, Vol. 36, No. 2, April-July 2004, pp 4-8
- Kononkova, G.E., and A.E. Reihrudel, "Experimental Study of Solitary Tsunami Waves," *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Society of New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 213-219
- Korteweg, D.J., and G. de Vries, "On the Change of Form of Long Waves Advancing in a Rectangular Canal, and on a New Type of Long Stationary Waves," *Phil Mag.*, Series 5, Vol 39, 1895, pp 422-443
- Koshimura, S., F. Imamura, and N. Shuto, "Propagation of Obliquely Incident Tsunamis on a Slope Part 1 - Amplification of Tsunamis on a Continental Slope," *Coastal Engineering Journal*, Vol. 41, No. 2, 1999, pp 151-164
- Koshimura, S.I., F. Imamura, and N. Shuto, "Characteristics of On-slope Tsunami Propagation and the Accuracy of the Numerical Model," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Pub., Dordrecht, The Netherlands, 2001, pp 163-178
- Kotani, M., F. Imamura, and N. Shuto, "Tsunami Run-up Simulation and Damage Estimation by Using GIS," *Proc. Coastal Engrg.*, JSCE, Japan, Vol. 45, 1998, pp 356-360
- Kowalik, Z., and T.S. Murty, "Influence of the Size, Shape and Orientation of the Earthquake Source Area in the Shumagin Seismic Gap on the Resulting Tsunami," *J. Phys. Oceanography*, Vol. 17, 1987, pp 1,057-1,062
- Kowalik, Z., and T.S. Murty, "On Some Future Tsunamis in the Pacific Ocean," *Natural Hazards*, Vol. 1, No. 4, 1989, pp 349-369
- Kowalik, Z., and P.M. Whitmore, "An Investigation of Two Tsunamis Recorded at Adak, Alaska," *Science of Tsunami Hazards*, Vol. 9, 1991, pp 67-83
- Kowalik, Z., "Solution of the Linear Shallow Water Equations by the Fourth-order Leapfrog Scheme," *Jour. Geophys. Res.*, Vol. 98, 1993, pp 10,205-10,209
- Kowalik, Z., and T.S. Murty, "Numerical Simulation of Two-dimensional Tsunami Runup," *Marine Geodesy*, Vol. 16, No. 2, 1993, pp 87-100
- Kowalik, Z., and T.S. Murty, *Numerical Modeling of Ocean Dynamics*, World Scientific, Singapore, Advanced Series on Ocean Engineering; Volume 5, 1993, 481 pp
- Kowalik, Z., "Landslide-generated Tsunami in Skagway, Alaska," *Science of Tsunami Hazards*, Vol. 15, No. 2, 1997, pp 89-106
- Kowalik, Zygmunt, "Basic Relations Between Tsunami Calculations and Their Physics," *Science of Tsunami Hazards*, Vol. 19, No. 2, 2001, pp 99-116
- Kowalik, Zygmunt, "Basic Relations Between Tsunami Calculations and Their Physics - II," *Science of Tsunami Hazards*, Vol. 21, No. 3, 2003, pp 137-153
- Koyama, Junji, and M. Kosuga, "Tsunami Magnitude and Fault Parameters," *Zisin*, Japan, Vol. 38, 1985, pp 610-613
- Koyama, Junji, Masahiro Kosuga, and Ziro Suzuki, "Extreme Values of Tsunami Magnitudes," *Science of Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 39-54
- Koutitas, C.G., M. Gousidou-Koutita, V. Papazachos, "A Microcomputer Code for Tsunami Generation and Propagation," *Applied Ocean Research*, Vol. 8, No. 3, 1986, pp 156-163
- Koutitas, C.G., and Alexander Laskaratos, "Tsunami Induced Oscillations in Corinthos Bay Measurements and 1-D vs 2-D Mathematical Models," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 51-56
- Koutitas, C.G., and G.A. Papadopoulos, "Numerical Simulation of the Aseismically Induced Tsunami of 7 February 1963 in the Western Corinthos Bay," In *Proc. Inter. Conf. Tsunamis, Paris, May 26-28, 1998*, 1998, pp 247-254
- Kovalev, P.D., A.B. Rabinovich, and G.V. Shevchenko, "Investigation of Long Waves in the Tsunami Frequency Band on the Southwestern Shelf of Kamchatka," *Natural Hazards*, Vol. 4, 1991, pp 141-159
- Kowalik, Z., and T.S. Murty, "Computation of Tsunami Amplitudes Resulting from a Predicted Major Earthquake in the Shumagin Seismic Gap," *Geophysical Letters*, Vol. 11, No. 12, Dec. 1984, pp 1,243-1,246
- Kowalik, Zygmunt, and Inkweon Bang, "Numerical Computation of Tsunami Run-up by the Upstream Derivative Method," *Science of Tsunami Hazards*, Vol. 5, No. 2, 1987, pp 77-84
- Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 39-54
- Koyama, Junji, and Masahiro Kosuga, "Tsunamigenic Earthquakes in the Pacific and the Japan Sea," *Science of Tsunami Hazards*, Vol. 4, No. 2, 1986, pp 83-90
- Krajick, Kevin, (photographs by Brian Smale), "Future Shocks. Modern Science, Ancient Catastrophes and the Endless Quest to Predict Earthquakes," *Smithsonian*, Vol. 35, No. 12, March 2005, pp 38-46
- Krajick, Kevin, "Tracking Myth to Geological Reality," *Science*, Vol. 310, No. 5749, 4 Nov. 2005, pp 762-764
- Kranzer, H.C., and J.B. Keller, *Water Waves Produced by Explosions*, New York Univ., Inst. of Math. Sci, IMM-NYU-222, Sept. 1955
- Kranzer, H.C., and J.B. Keller, "Water Waves Produced by Explosions," *J. Applied Phys.*, Vol. 30, No. 3, March 1959, pp 398-407
- Krishna, M.R., and T.D. Sanu, "Shallow Seismicity, Stress Distribution and Crustal Deformation Patterns in the Andaman-West Sunda Arc and Andaman Sea, Northeastern Ocean," *Jour. Seismology*, Vol. 6, 2002, pp 25-41
- Krivoshey, M.I., "Experimental Investigations of Tsunami Waves," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 351-365
- Kroeger, G.C., A. Larson, V. Scruggs, L. Reiser, and T. Daughton, "Source Mechanisms of Three Aftershocks of the 10 June 1975 Nemuro-Oki Tsunami Earthquake," *EOS, Trans., AGU*, Vol. 70, 1989, p. 1,219
- Kuba, E.H., "A Hydraulic Model of Landslide-generated Waves in Bays," *Shore & Beach*, Vol. 37, No. 1, April 1969, pp 49-53
- Kulba, Aleen, Mary Lou Swisher, Lesley Ewing, and

- Richard J. McCarthy, "The Impacts of Induced Seismicity and Subsidence within the California Coastal Zone," (note dated 29 Sept. 1989), California Coastal Commission, *Local Assistance Notes*, No. 7, Nov. 1989, 54 pp (tsunamis, p. 33)
- Kulikov, E.A., A.B. Rabinovich, A.I. Spirin, S.L. Poole, and S.L. Soloviev, "Measurements of Tsunamis in the Open Ocean," *Marine Geodesy*, Vol. 6, Nos. 3/4, 1983, pp 311-329
- Kulikov, E.A., A.B. Rabinovich, R.E. Thomson, and B.D. Bornhold, "The Landslide Tsunami of November 3, 1994, Skagway Harbor, Alaska," *Jour. Geophys. Res.*, Vol. 101, No. C3, 1996, pp 6,609-6,625
- Kulikov, E.A., A.B. Rabinovich, I.V. Fine, B.D. Bornhold, and R.E. Thomson, "Tsunami Generation by Landslides at the Pacific Coast of North America and the Role of Tides," *Oceanology*, Vol. 38, No. 3, 1998, pp 323-328
- Kulikov, E.A., I.V. Fine, A.D. Rabinovich, B.D. Bornhold, and R.E. Thomson, "Numerical Simulations of Submarine Landslides and Tsunamis in the Strait of Georgia," *Proc. of the 1999 Canadian Coastal Conf.*, May 1999, Victoria, B.C., Canada, 1999, pp 845-862
- Kuroiwa, J., "Tsunami Studies and Their Application Lander, J.F., P.A. Lockridge, and H. Meyers, "Subaerial and Submarine Landslide Generated Tsunamis," In *Wind and Seismic Effects*, ed. N.J. Raufaste, NIST SP 820, Proc. of the 23rd Joint Meeting of the U.S.-Japan Cooperative Program in Natural Resources Panel on Wind and Seismic Effects, Washington, D.C., U.S. Dept. Commerce, 1991
- Lander, J.F., P. Lockridge, and M. Kozuch, *Tsunamis Affecting the West Coast of the United States, 1806-1992*, National Oceanic and Atmospheric Administration (NOAA), National Geophysical Data Center (NGDC), U.S. Dept. of Commerce, Boulder, CO, NGDC Key to Geophysical Records Documentation (KGRD) No. 29, Dec. 1993, 242 pp of text, 36 illustrations, 12 tables, and 130 marigrams
- Lander, James F., "Alaskan Tsunamis Revisited," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 159-172
- Lander, James F., "Alaska Tsunami Regimes," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 99-104
- Lander, James F., and Harry Yeh, (Co-conveners), *Report of the International Tsunami Measurements Workshop: June 28-29, 1995, Estes Park, Colorado*, National Science Foundation Project CMS-9501539, NOAA, National Geophysical Data Center (NGDC), Boulder, CO, 1995, 102 pp, xerox copies
- Lander, James F., *Tsunamis Affecting Alaska 1737-1996*, National Geophysical Data Center, NOAA, Boulder, CO, NGDC Key Geophys. Res. Doc. 31, 1996, 195 pp, 55 illustrations, 15 tables, and 42 marigrams
- Lander, J.F., L.S. Whiteside, and P.A. Lockridge, "Brief History of Tsunamis in the Caribbean Sea," *Science of Tsunami Hazards*, Vol. 20, No. 2, 2002, pp 57-94
- to Peru's Socio-Economic Development and Emergency Planning," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, 1995, pp 323-336
- Lachman, R., M. Tatsuoka, and W.J. Bonk, "Human Behavior During the Tsunami of May 1960," *Science*, Vol. 133, No. 3462, 5 May 1961, pp 1,405-1,409
- Lahr, J.C., C.D. Stephens, H.S. Hasegawa, and J. Boatwright, "Alaskan Seismic Gap only Partially Filled by 28 February 1979 Earthquake," *Science*, Vol. 207, 1980, pp 1,351-1,353
- Lakshmi, Rama, and John Lancaster (Washington Post), "Inundated: 'It Was Like the Sea Stood Up and Walked to your Door'," *San Francisco Chronicle*, CA, 27 Dec. 2004, pp A1 and A12
- Lancaster, John, (Associated Press), "Chaos Hinders Delivery of Aid to Victims," *San Francisco Chronicle*, CA, 30 Dec. 2004, pp A1 and A4
- Lander, J.F., and Patricia A. Lockridge, *United States Tsunamis (Including United States Possessions) 1690-1988*, NOAA, National Geophysical Data Center, Boulder, CO, Pub. No. 41-2, Aug. 1989, 265 pp of text, 66 illustrations, and 11 tables
- Lander, James F., Lowell S. Whiteside, and Paul Hattori, "The Tsunami History of Guam: 1849-1993," *Science of Tsunami Hazards*, Vol. 20, No. 3, 2002, pp 158-174
- Lander, James F., Lowell S. Whiteside, and Patricia A. Lockridge, "Two Decades of Global Tsunamis: 1982-2002," *Science of Tsunami Hazards*, Vol. 21, No. 1, 2003, pp 3-88
- Landers, Jay, "Senate Passes Tsunami Bill, House Version Awaits Action," *Policy Briefing, Civil Engineering*, Vol. 75, No. 8, Aug. 2005, pp 10-11
- Langston, C.A., and D.V. Helmberger, "A Procedure for Modeling Shallow Dislocation Sources," *Geophys. J. Roy. Astr. Soc.*, Vol. 42, 1975, pp 117-130
- Larkin, John, and Rasul Bailay, "Proud India Gets Mixed Reviews for Refusing Aid," *The Wall Street Journal*, 5 Jan. 2005, p. A8
- Larsen, L.H., "Tsunami Hazard Along Washington's Coast," In *Natural Hazards in Washington's Coastal Zone*, Washington State Department of Emergency Services, Olympia, WA, 1979, pp 35-38
- Latter, J.H., "Tsunamis of Volcanic Origin: Summary of Causes with Particular Reference to Krakatoa, 1883," *Bull. Volcanologique*, Vol. 44, No. 3, 1981, pp 467-490
- Lautenbacher, C.C., "Gravity Wave Refraction by Islands," *Jour. Fluid Mech.*, Vol. 41, 1970, pp 655-672
- Lautenbacher, Conrad C., Jr., "Tsunami Warning Systems," *The Bridge*, Vol. 35, No. 2, National Academy of Engineering, Summer 2005, pp 21-25
- Lavrentyev, M.A., and E.F. Savarensky, "On the Results of Investigations of Tsunamis in the USSR," In *Proc. of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. of Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Monograph No. 24, Paris, July 1963, pp 36-38
- Lawson, Andrew C., (Chairman), *The California*

- Earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission, Carnegie Institution, Washington, D.C., two volumes and Atlas, 1908, reprinted 1969 (for "marine phenomena," see Vol. 1, Part 2, pp 369-371)
- Lay, Thorne, Hiroo Kanamori, Charles J. Ammon, et al., "The Great Sumatra-Andaman Earthquake of 26 December 2004," *Science*, Vol. 308, No. 5725, 20 May 2005, pp 1,127-1,132
- Lea, P.D., "Holocene Tsunami Deposits in Coastal Peatlands, Northeastern Bristol Bay, SW Alaska," *Geol. Soc. Amer., Abstracts with Program*, 1989, A344
- Leahy, Joe, and Taufan Hidayat, "Aceh. Memories of Homeless Vital to Rebuilding," *Financial Times*, June 25/June 26, 2005, p. 4
- Lebedev, A.N., and B.I. Sebekin, "Particularities of Long Wave Propagation in Ocean Basins," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 187-190
- LeBlond, P.H., and L.A. Mysak, "Trapped Coastal Waves and Their Role in Shelf Dynamics," In *The Sea: Ideas and Observations on Progress in the Study of the Seas*, Vol. 6, *Marine Modeling*, Wiley-Lee, J.J., "Wave-induced Oscillations in Harbors of Arbitrary Geometry," *Jour. Fluid Mechanics*, Vol. 45, Part 2, 1971, pp 375-394
- Lee, J.J., and F. Raichlen, "Resonance in Harbors of Arbitrary Shape," In *Proc. 12th Conf. Coastal Engrg.*, Washington, D.C., 1970, ed. J.W. Johnson, ASCE, 1971, pp 2,163-2,180
- Lee, J.J., and F. Raichlen, *Wave-induced Oscillations in Harbors with Connected Basins*, W.M. Keck Lab. of Hyd. and Water Resources, Calif. Inst. Technology, Pasadena, CA, Rept. K-HR-26, 1971, 135 pp
- Lee, J.J., and F. Raichlen, "Oscillations in Harbors with Connected Basins," *Jour. Waterway, Harbors and Coastal Eng. Div.*, Proc. ASCE, Vol. 98, No. WW3, Aug. 1972, pp 311-332
- Lee, Y. Keen, "Tsunami Risk Analysis," In *Tsunamis: Proceedings of the National Science Foundation Workshop*, May 1979, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, Ca, 1979, pp 254-271; Discussions by participants, pp 272-277
- Leendertse, J.J., *Aspects of a Computational Model for Long-period Water-wave Propagation*, Rand Corp., Santa Monica, CA, Mem. RM-5294-PR, May 1967, 163 pp
- Leet, L.D., *Causes of Catastrophe: Earthquakes, Volcanoes, Tidal Waves, Hurricanes*, McGraw-Hill, Inc., New York, 1948, 227 pp
- Legg, M.R., and J.C. Borrero, "Tsunami Potential of Major Restraining Bends along Submarine Strike-slip Faults," In *Proceedings of the International Tsunami Symposium and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, on a CD, pp 331-342, and at website of NOAA/PMEL, Seattle, WA, 2001
- Legg, Mark R., Jose C. Borrero, and Costas E. Synolakis, *Evaluation of Tsunami Risk to Southern California Coastal Cities*, The 2003 NEHRP Professional Fellowship Report, Earthquake Engineering Research Institute (EERI), PF2002-11, January 2003, 32 pp and Appendix A (16 figs.), Interscience Pub., New York, Ch. 10, 1977, pp 459-495
- LeBlond, P.H., and L.A. Mysak, *Waves in the Ocean*, Elsevier Oceanography Series, 20, New York, 1978, 602 pp
- LeBlond, P.H., and A.T. Jones, "Underwater Landslides Ineffective at Tsunami Generation," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 25-26
- Lee, H.J., "Undersea Landslides: Extent and Significance in the Pacific Ocean," In *Proc. 28th International Geological Congress, Symposium on Landslides; Extent and Economic Significance*, eds. E.E. Brabb and B.L. Harrod, Balkema, Rotterdam, 1989, pp 367-379
- Lee, Ho Jun, and Kyung Hee Kim, "Numerical Simulation of Tsunami Inundation at the Imwon Port," In *Korea-China Conference on Port and Coastal Engineering*, Seoul, Korea, Sept. 21-23, 2000, 2000, pp 277-286
- Lee, H.-J., Y.-S. Cho, and S.-B. Woo, "Quick Tsunami Forecasting Based on Database," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Appendix B (numerical "wave gage" time series for Cases 2-7)
- Legg, M.R., and M.J. Kamerling, "Large-scale Basement-involved Landslides, California Continental Borderland," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,033-2,051
- Le Mehaute, B., "Theory of Wave Agitation in a Harbor," *Trans. ASCE*, Vol. 127, Part I, Paper No. 3313, 1962, pp 364-383
- Le Mehaute, B., and L.S. Hwang, *Run-up of Non-breaking Waves*, prepared for the Atomic Energy Commission under Contract AT(26-1)-289, Tetra Tech, Inc., Pasadena, CA, Report TC-103, 1967
- Le Mehaute, B., C.Y. Koh, and L.S. Hwang, "A Synthesis of Wave Run-up," *Jour. Waterways and Harbors Div.*, Proc. ASCE, Vol. 94, No. WW1, Feb. 1968, pp 77-92
- Le Mehaute, Bernard, *Theory of Explosion-Generated Water Waves*, Advances in Hydrosience, ed. Ven te Chow, Vol. 7, Academic Press, New York, 1971, pp 1-79
- Le Mehaute, Bernard, *An Introduction to Hydrodynamics & Water Waves*, Springer-Verlag, New York, 1976, 315 pp
- Le Mehaute, Bernard, "Run-Up, Surge on Dry Bed, Energy Dissipation of Tsunami Waves," In *Tsunamis: Proc. of the National Science Foundation Workshop*, May 1979, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 156-181
- Lemon, D.D., P.H. LeBlond, and T.H. Osborn, "Seiche Excitation of Port San Juan, British Columbia," *Jour. of Fisheries Research Board of Canada*, Vol. 36, No. 10, 1979, pp 1,223-1,227
- Lennon, G.W., "A Critical Examination of the Conventional Tide Gauge," *Proc. of Symposium on Tides*, Inter. Hydro. Bureau, Monaco, UNESCO, Paris, 1971
- Lepelletier, Thierry Georges, *Tsunami: Harbor*

- Oscillations Induced by Nonlinear Transient Long Waves*, Calif. Inst. Tech., Pasadena, CA, W.M. Keck Lab., Rept. No. KH-R-41, Oct. 1980, 481 pp
- Lepelletier, Thierry G., and Fredric Raichlen, "Harbor Oscillations Induced by Nonlinear Transient Long Waves," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 113, No. 4, July 1987, pp 381-400
- Letz, H., K. McCue, I.D. Ripper, and M. Somerville, "The 1998 Aitape Earthquake Distribution, Historical Earthquakes and Tsunamis of the Region," *EOS, Trans., Amer. Geophys. Union*, Vol. 79, p. F564
- Lewis, Carter H., III, and W.M. Adams, *Development of a Tsunami-Flooding Model Having Versatile Formulation of Moving Boundary Conditions*, The Tsunami Society Monograph Series, No. 1, January 1983, 128 pp
- Li, Ying, *Tsunamis: Non-Breaking and Breaking Solitary Wave Run-up*, California Institute of Technology, W.M. Keck Laboratory of Hydraulics and Water Resources, Pasadena, CA, Rept. No. KH-R-60, June 2000, 221 pp
- Li, Y., and F. Raichlen, "Solitary Wave Runup on Plane Slopes," *Jour. Waterway, Port, Coastal, and Lin*, Pengzhi, Kuang-An Chang, and Philip L.-F. Liu, "Runup and Rundown of Solitary Waves on Sloping Beaches," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 125, No. 5, Sept./Oct. 1999, pp 247-255
- Linde, A.T., and P.G. Silver, "Elevation Changes and the Great 1960 Chilean Earthquake: Support for Aseismic Slip," *Geophys. Res. Lett.*, Vol. 16, 1989, pp 1,305-1,308
- Linebaugh, Kate, Jay Solomon, Rin Hindrati, Sebastian Moffett, Ginny Parker, and Christopher Conkey, "Why Quake Warnings Failed; Hours After Indonesia Was Hit, Victims in Africa Had No Inkling," *The Wall Street Journal*, 29 Dec. 2004, pp. B1 and B2
- Link, M.C., "Exploring the Drown City of Port Royal," *National Geographic*, Vol. 117, 1960, pp 151-183
- Lisitzin, Eugenie, *Sea-Level Changes*, Elsevier Oceanography Series, Vol. 8, Elsevier Scientific Publishing Co., 1974, 286 pp
- Liu, Philip L.-F., and Jeff Earickson, "A Numerical Model for Tsunami Generation and Propagation," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 227-240
- Liu, Philip L.-F., "Effects of the Continental Shelf on Harbor Resonance," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 303-314
- Liu, P. L.-F., C.E. Synolakis, H. Yeh, "Report on International Workshop on Long-wave Runup," *Jour. Fluid Mechanics*, Vol. 229, 1991, pp 675-688
- Liu, P. L.-F., Y.S. Cho, S.B. Yoon, and S.N. Seo, "Numerical Simulations of the 1960 Chilean Tsunami Propagation and Inundation at Hilo, Hawaii," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 99-116
- Ocean Engineering*, ASCE, Vol. 127, No. 1, Jan./Feb. 2001, pp 33-44
- Li, Y., and F. Raichlen, "Non-breaking and Breaking Solitary Wave Run-up," *Jour. of Fluid Mechanics*, Vol. 456, 2002, pp 295-318
- Li, Y., and F. Raichlen, "Energy Balance Model for Breaking Solitary Wave Runup," *Jour. of Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 129, No. 2, 2003, pp 47-59
- Lilly, D.K., "On the Computational Stability of Numerical Solutions to Time-dependent Non-linear Geophysical Fluid Dynamics Problems," *Monthly Weather Review*, Vol. 93, No. 1, 1965, pp 11-25
- Lin, I-Chen, and Chi C. Tung, "A Preliminary Investigation of Tsunami Hazard," *Bull. Seis. Soc. Amer.*, Vol. 72, No. 6, 1982, pp 2,323-2,337
- Lin, I.-C., *An Investigation of Tsunami Hazard*, Ph.D. thesis, North Carolina State University, Raleigh, NC, 1985
- Lin, I.-C., and C.C. Tung, "Tsunami Hazard," *Jour. Eng. Mech.*, ASCE, Vol. 112, No. 9, Sept. 1986, pp 874-887
- Liu, P. L.-F., Y.S. Cho, M.J. Briggs, U. Kanoglu, and C.E. Synolakis, "Runup of Solitary Waves on a Circular Island," *Jour. Fluid Mech.*, Vol. 302, 1995, pp 259-285
- Liu, Philip L.-F., editor, *Advances in Coastal and Ocean Engineering*, World Scientific Pub. Co. Pte. Ltd., Singapore, and River Edge, NJ; Vol. 1, 1995 - a continuing series
- Liu, P.L.-F., P. Lynnet, and C.E. Synolakis, "Analytical Solutions for Forced Long Waves on a Sloping Beach," *Jour. Fluid., Mech.*, Vol. 478, 2003, pp 101-109
- Liu, Philip L.-F., Patrick Lynett, Harindra Fernando, Bruce E. Jaffe, Hermann Fritz, Bretwood Higman, Robert Morton, James Goff, Costas Synolakis, "Observations by the International Tsunami Survey Team in Sri Lanka," *Science*, Vol. 308, No. 5728, 10 June 2005, p. 1,595
- Liu, Philip L.-F., "Tsunami Simulations and Numerical Models," *The Bridge*, National Academy of Engineering, Vol. 35, No. 2, Summer 2005, pp 14-20
- Liu, P. L.-F., T.-R. Wu, F. Raichlen, C.E. Synolakis, and J. Borrero, "Runup and Rundown Generated by Three Dimensional Sliding Masses," *Jour. Fluid Mech.*, Vol. 536, 10 Aug. 2005, pp 107-144
- Liu, Shin-Lin, and R.L. Wiegel, "3-D Hydraulic Model of Waves Generated by Displacements," In *Proc. of the 15th Inter. Coastal Engineering Conference, July 11-17, 1976, Honolulu, Hawaii*, ed. J.W. Johnson, ASCE, 1977, Vol. 1, Ch. 63, pp 1,060-1,078
- Liu, Wen-Cheng, Ming-Hsi Hsu, and Chi-Fang Wang, "Modeling of Flow Resistance in Mangrove Swamp at Mouth of Tidal Keelung River, Taiwan," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 129, No. 2, March/April 2003, pp 86-92
- Liu, Xiadong, Shigeki Sakai, et al., "Numerical Analysis on Tsunami Run-up and Tsunami Flood to a Coastal City," In *Coastal Engineering 2002; Solving Coastal Conundrums: Proc. 28th International Conf., Cardiff, Wales, 7-12 July 2002*, World Scientific,



- New Jersey, ed. Jane Mckee Smith, Vol. 1, 2003, pp 1,168-1,177
- Locat, Jacques, Homma J. Lee, Pascal Locat, and Jasim Imran, "Numerical Analysis of the Mobility of the Palos Verdes Debris Avalanche, California, and Its Implication for the Generation of Tsunamis," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 269-280
- Lockridge, Patricia A., "National Geophysical Data Center Databases Supporting Investigations of Geological Hazards," *Science of Tsunamis*, Vol. 2, No. 1, 1984, pp 13-18
- Lockridge, Patricia A., and Ronald H. Smith, *Tsunamis in the Pacific Basin, 1900 - 1983*; a map, scale 1:17,000,000. U.S. National Oceanic and Atmospheric Administration, National Geophysical Data Center, World Data Center A for Solid Earth and Geophysics, Boulder, CO, 1984, 1 sheet (40" x 60")
- Lockridge, Patricia A., *Tsunamis in Peru-Chile*, Publ. SE-39, World Data Center A for Solid Earth Geophys., Natl. Geophys. Data Cent., NOAA, Boulder, CO, Rept. SE-39, July 1985, 97 pp
- Lockridge, P.A., and R.H. Smith, *Tsunamis in the Lomnitz, C., and S. Nilsen-Hofseth, "The Indian Ocean Disaster: Tsunami Physics and Early Warning Dilemmas," EOS, Transactions, Amer. Geophys. Union, Vol. 86, No. 7, 15 Feb. 2005, pp 65 and 70*
- Long, D., D.E. Smith, and A.G. Dawson, "A Holocene Tsunami Deposit in Eastern Scotland," *Jour. Quarterly Science*, Vol. 4, 1989, pp 61-66
- Long, D., A.G. Dawson, and D.E. Smith, "Tsunami Risk in Northwestern Europe: A Holocene Example," *Terra Nova*, Vol. 1, No. 6, 1989, pp 532-537
- Long, R.R., "The Initial-Value Problem for Long Waves of Finite Amplitude," *Jour. Fluid Mech.*, Vol. 20, Part 1, Sept. 1964, pp 161-170
- Longuet-Higgins, M.S., "On the Trapping of Wave Energy Round Islands," *Jour. Fluid Mech.*, Vol. 29, Part 4, 1967, pp 781-821
- Longuet-Higgins, M.S., "On the Trapping of Waves Along a Discontinuity of Depth in a Rotating Ocean," *Jour. Fluid Mech.*, Vol. 31, 1968, pp 417-434
- Longuet-Higgins, M.S., and J.D. Fenton, "On the Mass, Momentum, Energy, and Circulation of a Solitary Wave. II," *Proc. Roy. Soc. (London)*, Ser. A, Vol. 340, 1974, pp 471-493
- Loomis, H.G., "Spectral Analysis of Tsunami Records from Stations in the Hawaiian Islands," *Bull. Seism. Soc. Amer.*, Vol. 56, 1966, pp 697-713
- Loomis, Harold G., *Some Numerical Hydrodynamics for Hilo Harbor*, Hawaii Inst. Geophysics, Univ. Hawaii, Honolulu, prepared for Office of Naval Research, HIG-66-7, July 1966, 24 pp
- Loomis, H.G., *A Package Program for Time-stepping Long Waves into Coastal Regions with Application to Haleiwa Harbor, Oahu*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept. HIG-72-21, NOAA-JTRE-79, Oct. 1972, 33 pp
- Loomis, Harold G., *The Tsunami of November 29, 1975 in Hawaii*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept. HIG-75-21, Dec. 1975, 9 pp, tables, and figures
- Pacific Basin, 1900-1983*, Natl. Geophys. Data Center, NOAA, Boulder, CO, 1984
- Lockridge, Patricia A., "Tsunamis: Trouble for Mariners," *Sea Technology*, Vol. 30, No. 4, April 1989, pp 53-57
- Lockridge, Patricia A., Lowell S. Whiteside, and James F. Lander, "Tsunamis and Tsunami-like Waves of the Eastern United States," *Science of Tsunami Hazards*, Vol. 20, No. 3, 2002, pp 120-157
- Lomnitz, C., "Major Earthquakes and Tsunamis in Chile During the Period 1535 to 1955," *Geologische Rundschau*, Vol. 59, 1970, pp 938-960
- Lomnitz, C., "Tidal Variations Due to Subsidence of a Continental Shelf," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 96-102
- Lomnitz, C., "The Mexico Earthquake," In *Natural and Man-Made Hazards: International Conf. Proceedings, 1986*, Rimouski, Canada, Reidel Pub. Co. 1988, pp 63-79
- Loomis, Harold G., "Description of a Low-cost, Portable Tsunami Wave Recorder," In *Tsunami Research Symposium 1974, Wellington, New Zealand, 29 Jan.-1 Feb. 1975*, eds. R.A. Heath and M.M. Cresswell, Roy. Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 95-97
- Loomis, H.G., "Solution of the Linear, Long-wave Hydrodynamic Equations by Using Unit Impulse Functions," In *Tsunami Research Symposium 1974, Wellington, New Zealand, 29 Jan.-1 Feb. 1974*, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 155-158
- Loomis, H.G., *Tsunami Wave Runup Heights in Hawaii*, Univ. of Hawaii, Hawaii Institute of Geophysics, Honolulu, HI, Rept. No. HIG-76-5, May 1976, 95 pp
- Loomis, H.G., "Tsunamis," In *Geophysical Prediction, Studies in Geophysics*, National Academy of Sciences, Washington, D.C., 1978, pp 155-165
- Loomis, H.G., "On Defining the Source of the 1975 Tsunami in Hawaii," In *Symposium on Long Waves in the Ocean, National Research Council of Canada, Ottawa, June 6-8, 1978*, Dept. Fisheries and the Environment, Ottawa, Manuscript Report Series No. 53, 1979, pp 94-101
- Loomis, Harold G., "International Union of Geodesy and Geophysics, (IUGG) Tsunami Symposium, Sendai, Japan, 25-28 May 1981: Report," *Tsunami Newsletter*, Vol. 14, No. 2, Sept. 1981, pp 1-10
- Loomis, Harold G., "The Nonlinear Response of a Tide Gage to a Tsunami," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash. D.C., 1984, pp 177-185
- Loomis, Harold G., "Numerical Simulation of a Tsunami on a Triangular Mesh," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 229-238
- Loomis, Harold G., "The Momentum of Tsunami Waves," *Science of Tsunami Hazards*, Vol. 20, No. 1, 2001, pp 38-41

- Loomis, Harold G., "Momentum as a Useful Quantity in Tsunami Science," In *Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO), IUGG XXIII General Assembly, June-11 July 2003: Abstracts, Week B*, p. B.157
- Lopez, Leslie, and John Larkin, "Thailand's Relief Effort Stands Out," *The Wall Street Journal*, 30 Dec. 2004, p. A7
- Lorca, E., "Tsunami Hazard Evaluation Along the Coast of Chile," In *Proc. International Tsunami Symposium, Institute of Ocean Sciences, Sidney, B.C., Canada, 1985*, eds. T.S. Murty and W.J. Rapatz, pp 193-195
- Lorca, E., "Integration of the THRUST Project into the Chile Tsunami Warning System," *Natural Hazards*, Vol. 4, Nos. 2&3, 1991, pp 293-300
- Lorca, Emilio, "Summary Report on the Development of National Tsunami Plans in Colombia and Ecuador," *Tsunami Newsletter*, Vol. 29, No. 5, Oct. 2002, p. 8
- Lorca, Emilio, and Rodrigo Nunez, "Chile National Tsunami Warning System," *Tsunami Newsletter*, Vol. Lowe, R.E., *Structural Design Criteria for Tsunami Loads on the Kuilima Hotel; Final Report*, (Kuilima Point/ Kahuku Point area, Oahu, Hawaii, on the waterfront), Richard R. Bradshaw, Inc., Structural Engineers, Van Nuys, CA, May 1971, 78 pp
- Lozano, C., and R.E. Meyer, "Leakage and Response of Waves Trapped by Round Islands," *The Physics of Fluids*, Vol. 19, No. 8, Aug. 1976, pp 1,075-1,088
- Luce, Edward, "Indian Alert on Second Tsunami Sparks Panic and Confusion," *Financial Times*, 31 Dec. 2004, 1 Jan. 2005, p. 3
- Luciani, Jim, "Waves of Power - Tsunami," *Mariners Weather Log*, Vol. 49, No. 1, April 2005, pp 22-24
- Ludwig, D., "Uniform Asymptotic Expansions at a Caustic," *Comms. Pure Appl. Math.*, Vol. 19, 1966, pp 215-250
- Luternauer, J.L., and D. Swan, *Kitimat Submarine Slump Deposit(s): A Preliminary Report, Part A*, Geological Survey of Canada Paper 78-1A, 1978, pp 327-332
- Lyman, Col., "Loyalty Islands Earthquake and Tsunami of May 16, 1995," *Tsunami Newsletter*, Vol. 27, No. 2, 1995, p. 7
- Lynch, Joseph J., and Ralph R. Bodle, "The Dominican Earthquakes of August 1946," *Bull. Seis. Soc. Amer.*, Vol. 38, No. 1, Jan. 1948, pp 1-17 (tsunami, pp 11-13)
- Lynett, P.J., and P.L.-F. Liu, "A Numerical Study of Submarine Landslide Generated Waves and Runup," *Proc. Royal Soc., (London)*, A, Vol. 485, 2003, pp 2,885-2,910
- Lynett, P.J., J.C. Borrero, P.L.-F. Liu, and C.E. Synolakis, "Field Survey and Numerical Simulations: A Review of the 1998 Papua New Guinea Tsunami," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,110-2,146
- Ma, Kuo-Fong, Kenji Satake, and Hiroo Kanamori, "The Origin of the Tsunami Excited by the 1989 Loma Prieta Earthquake - Faulting or Slumping?," *Geophys. Research Letters*, Vol. 18, No. 4, April 1991, pp 637-640
- 35, No. 2, April 2003, pp 2-4
- Lorca, Emilio, "Chile Deploys Tsunameter," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, p. 21
- Lorca, Emilio, "Northern Chile City Prepares Tsunami Plans and Installs Early Warning Sirens," *Tsunami Newsletter*, Vol. 36, No. 3, Aug.-Oct. 2004, p. 6
- Losada, M.A., C. Vidal, and R. Medina, "Experimental Study of the Evolution of a Solitary Wave at an Abrupt Junction," *J. Geophysical Res.*, Vol. 94, No. C10, 1989, pp 14,557-14,566
- Louat, Remy, and Catherine Baldassari, *Chronology of Felt Earthquakes and Tsunamis in the Regions of Vanuatu New Caledonia (1729-1989)*, New Caledonia, Centre ORSTOM de Noumea, Rapports Scientifiques et Techniques Sciences de la Terre Geophysique No. 1, 1989, 47 pp
- Loucks, R.H., *Investigation of the 1960 Chilean Tsunami on the Pacific Coast of Canada*, M.Sc. thesis, Dept. Physics, Univ. British Columbia, Vancouver, B.C., Canada, 1962, 21 pp and 5 figs.
- Ma, K.-F., C.-T. Lee, Y.-B Tsai, T.-C. Shin and J. Mori, "The Chi-Chi, Taiwan Earthquake: Large Surface Displacements on an Inland Thrust Fault," *EOS, Trans., Amer. Geophys. Union*, Vol. 50, No. 14, 1999, pp 605-611
- Ma, K., H. Kanamori, and K. Satake, "Mechanism of the 1975 Kalapana, Hawaii Earthquake Inferred from Tsunami Data," *J. Geophys. Res.*, Vol. 104, 1999, pp 13,153-13,167
- Macdonald, G.A., F.P. Shepard, and D.C. Cox, "The Tsunami of April 1, 1946 in the Hawaiian Islands," *Pacific Science*, Vol. 1, No. 1, January 1947, pp 21-37
- Macdonald, Gordon A., and Chester K. Wentworth, "The Kona Earthquake of August 21, 1951," *Volcano Letter*, Hawaii, No. 513, 1951, pp 1-4
- Macdonald, Gordon A., and Chester K. Wentworth, "The Tsunami of November 4, 1952," *Hawaii, Volcano Letter*, No. 518, 1952, pp 12-13
- Macdonald, Gordon A., and Chester K. Wentworth, "The Tsunami of November 4, 1952 on the Island of Hawaii," *Bull. Seis. Soc. Amer.*, Vol. 44, No. 3, July 1954, pp 463-469
- Macdonald, R.W., D.M. Macdonald, and P.S. Munro, *Oceanographic Data Report, Kitimat Arm, Porpoise Harbour, Feb. 1977*, Pacific Marine Science Report No. 78-24, 61 pp
- Mader, Charles L., "Numerical Simulation of Tsunamis," *Jour. Phys. Oceanogr.*, Vol. 4, No. 1, Jan. 1974, pp 74-82
- Mader, Charles L., Robert E. Tangora, and B.D. Nichols, "A Model of the 1975 Hawaii Tsunami," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1, No. 1, pp C1-8, Oct. 1982. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Mader, Charles L., "A Landslide Model of the 1975 Hawaiian Tsunami," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 71-78
- Mader, Charles L., and Sharon Lukas, *SWAN-A Shallow Water, Long Wave Code*, Hawaii Institute of Geophysics, Univ. Hawaii, Honolulu, Rept. HIG-84-4,

- 1984; also Joint Institute for Marine and Atmospheric Research report, JIMAR 85-077, 1985
- Mader, Charles L., Martin Vitousek, and Sharon Lukas, "Numerical Modeling of Atoll Reef Harbors," In *Proc. International Symposium on Natural and Man-made Hazards, Rimouski, Canada, 1986*, Reidel Pub. Co., 1988
- Mader, Charles L., "Numerical Tsunami Flooding Study - I," *Science of Tsunami Hazards*, Vol. 8, No. 2, 1990, pp 79-96
- Mader, Charles L., and George D. Curtis, *Numerical Modeling of Tsunami Inundation of Hilo Harbor*, Univ. of Hawaii, Joint Inst. for Marine and Atmospheric Research (JIMAR) Contribution No. 91-251, 1991
- Mader, Charles L., and George D. Curtis, "Modeling of Hilo, Hawaii Tsunami Inundation," *Science of Tsunami Hazards*, Vol. 9, No. 2, 1991, pp 85-94
- Mader, Charles L., George D. Curtis, and George Nabeshima, "Modeling Tsunami Flooding of Hilo, Hawaii," In *Recent Advances in Marine Science and Technology*, 92, ed. Narendra Saxena, PACON International 1993, pp 79-86
- Mader, Charles L., "Modeling of the 1958 Lituya Bay Tsunami," *Science of Tsunami Hazards*, Vol. 17, No. 1, 1999, pp 57-67
- Mader, Charles L., "Modeling the 1755 Lisbon Tsunami," *Science of Tsunami Hazards*, Vol. 19, No. 2, 2001, pp 93-116
- Mader, Charles L., "Modeling of the La Palma Landslide Tsunami," *Science of Tsunami Hazards*, Vol. 19, No. 3, 2001, pp 160-179
- Mader, Charles L., and Michael L. Gittings, "Modeling the 1958 Lituya Bay Mega-Tsunami, II," *Science of Tsunami Hazards*, Vol. 20, No. 5, 2002, pp 241-250
- Mader, Charles, L., "Dynamics of Water Cavity Generation," *Science of Tsunami Hazards*, Vol. 21, No. 2, 2003, pp 91-118
- Madsen, O.S., and C.C. Mei, "The Transformation of a Solitary Wave Over an Uneven Bottom," *Jour. Fluid. Mech.*, Vol. 39, Part 4, 1969, pp 781-791
- Magoon, Orville T., "The Tsunami of May 1960 as it Affected Northern California," presented at the ASCE Hyd. Div. Conference at the Univ. of Calif. at Davis, CA, 17 Aug. 1962, m.s., 19 pp, tables and plates
- Magoon, Orville T., "Structural Damage by Tsunamis," *Coastal Engineering: Santa Barbara Specialty Conference, October 1965*, ASCE, 1965, pp 35-68
- Mallet, Victor, "Sailors' Awe of Tsunami Washes Up on the Net," *The Financial Times*, Jan. 15/ Jan. 16, 2005, p. W12
- Mallet, Victor, "Tsunamis: Six Months On. Valuable Lessons Learnt as Nations Recover," *Financial Times*, June 25/June 26, 2005, p. 4
- Malloy, R.J., "Crustal Uplift Southwest of Montague Island, Alaska," *Science*, Vol. 146, 1964, pp 1,048-1,049
- Mankin, Eric, "Southern California Tsunami Could Cause \$41 Billion Damage. Long Beach Hardest Hit in Economic Scenario Modeled at USC," *University of Southern California (USC) Public Relations*, April
- Mader, Charles L., and E.N. Bernard, "Modeling Tsunami Flooding of Crescent City," Appendix F of *Tsunami Inundation Model Study of Eureka and Crescent City, California*, by E. Bernard, C. Mader, G. Curtis, and K. Satake, NOAA Tech. Memo. ERL PMEL-103, Nov. 1994, pp 37-42
- Mader, Charles L., "Asteroid Tsunami Inundation of Hawaii," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 85-88
- Mader, Charles L., "Modeling of the 1994 Skagway Tsunami," *Science of Tsunami Hazards*, Vol. 15, No. 1, 1997, pp 41-48
- Mader, Charles L., "Asteroid Tsunami Inundation of Japan," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 11-16
- Mader, Charles L., "Modeling the Eltanin Asteroid Impact," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 17-20
- Mader, Charles L., *Numerical Modeling of Water Waves*, University of California Press, 1998, 206 pp. Second Edition, CRC Press, 2004, 274 pp  
2005, a 2-page printout from website. Complete text at [http://viterbi.usc.edu:81/pdfs/unstructured/news/2005/2005\\_03\\_28\\_socal/Tsunami2.pdf](http://viterbi.usc.edu:81/pdfs/unstructured/news/2005/2005_03_28_socal/Tsunami2.pdf)
- Mano, Akira, "Amplification of Linear Long Waves in Bays," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 329-337
- Mansinha, L., and D.E. Smylie, "The Displacement Fields of Inclined Faults," *Bull. Seis. Soc. Amer.*, Vol. 61, No. 5, 1971, pp 1,433-1,440
- Mapes, Timothy, "Tsunami Rebuilding Stuck in Limbo," *The Wall Street Journal*, 27 April 2005, p. A13
- Maramai, A., and C. Gasparini, "A Proposal for a New Catalog on Tsunamis in the Mediterranean Area," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 39-46
- Maramai, A., and S. Tinti, "Study for a Pilot Monitoring and Alarm System for the Calabrian Sicilian Tsunamis," *Phys. Chem. Earth*, Vol. 21, 1996, pp 83-86
- Maramai, Alessandra, and Stefano Tinti, "Coastal Effects and Damage Due to the 3rd June 1994 Java Tsunami," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. Gerald Hebenstreit, Kluwer Academic Pub., Dordrecht, 1997, pp 1-20
- Marchuk, A.G., L.B. Chubarov, and I.I. Shokin, *Numerical Modeling of Tsunami Waves*, Nauka Press, Siberian Branch, Novosibirsk, 1983, 282 pp (English translation, Los Alamos National Laboratory, New Mexico, LA-TR-85-40, 1985)
- Marine Advisers, Inc., *A Broad-frequency-band Wave Study at Monterey Harbor, California*, by V.J. Grauzinis, Rept. to U.S. Army Corps of Engineers, San Francisco District; Marine Advisers, Inc., La Jolla, CA, Rept. A-121a, July 1964, 19 pp
- Marine Advisers, Inc., *Examination of Tsunami Potential at the San Onofre Nuclear Generating Station, CA*, Marine Advisers, Inc., La Jolla, CA, Report A-163, Sept. 1965, 59 pp
- Marine Advisers, Inc., *Notes from the January 29-30,*

- 1965 *Tsunami Conference*, prepared for Southern California Edison Co. and Pacific Gas & Electric Co., Marine Advisers, La Jolla, CA, Feb. 1965, 36 pp
- Marine Advisers, Inc., *A Review of the Evidence for the Santa Barbara Coast Tsunami of December 1812*, by V.J. Grauzinis, Marine Advisers, La Jolla, CA, Report A-163C, 1965
- Marine Advisers, Inc., *An Evaluation of Tsunami Potential at the Diablo Canyon Site*, (California), prepared for Pacific Gas and Electric Co., Marine Advisers, La Jolla, CA, Rept. A-253, Dec. 1966, various pagination
- Marinos, G., and N. Melidonis, "On the Amplitude of the Tsunami Originating in the Prehistoric Eruption of Santorin," *Greek Geol. Soc.*, Vol. 4, 1959, pp 210-218
- Marshall Macklin Monaghan, *Development Management in Tsunami Hazard Areas of Port Alberni*, Consultants report prepared for the City of Port Alberni, B.C, Canada, 1986
- Maso, Miguel Saderra, "Earthquake and Sea Waves at Agno, Pangasinan, May 6, 1924," *Seismological Bulletin for May 1924, Monthly Bull. Manila Central Observatory*, Philippine Weather Bureau, Manila, 1925, pp 156-157
- Mason, Owen, William J. Neal, Orrin H. Pilkey, et al., *Living With the Coast of Alaska*, Duke Univ. Press, 1997, 348 pp (tsunamis, p. 30, 55-58, 307, and other)
- Mass, W.J., and A.D. Vastano, *An Investigation of Dispersive and Non-dispersive Long Wave Equations Applied to Oceans of Variable Depth*, Texas A & M Univ., Tech. Rept. Ref. 78-8-T, 1978, 83 pp
- Masuda, Koichi, Tomoki Ikoma, Akio Kobayashi, and Maki Uchida, "Effect of Tsunami Wave Profile on the Response of a Floating Structure in Shallow Sea," In *Proc. Thirteenth (2003) International Offshore and Polar Engineering Conf., Honolulu, HI, USA, May 25-30, 2003*, pp 380-384
- Matioli, F., "Wave Induced Oscillations in Harbors of Variable Depth," *Computers and Fluids*, Vol. 16, 1978, pp 161-172
- Matlock, Hudson, Lymon C. Reese, and Robert B. Matlock, *Analysis of Structural Damage from the 1960 Tsunami at Hilo, Hawaii*, University of Texas, Structural Mechanics Research Laboratory, Austin, TX, prepared for the U.S. Defense Atomic Support Agency, Washington, D.C., Rept. DASA 1268, March 1962, 95 pp (incl. 50 photos of damage, and two large mosaics of vertical aerial photos, prior to and after the tsunami)
- Matsumoto, Teruji, and Yuhzo Suzuki, "Design and Construction of Ohfunato Tsunami Protection Breakwater," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co, Tokyo, 1983, pp 397-407
- Matsumoto, T., D.R. Tappin, and SOS Onboard Scientific Party, "Possible Coseismic Large-scale Landslide off the Northern Coast of Papua New Guinea in July 1998: Geophysical and Geological Results from SOS Cruises," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,923-1,943
- Matsuo, H. "Estimation of Energy of Tsunami and Protection of Coasts," *Bull. Earthquake Research Inst.*, Tokyo Imperial Univ., Japan, March 1934, pp 55-64
- Martel, S.J., "Mechanics of Landslide Initiation as a Shear Fracture Phenomenon," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 319-339
- Masch, Frank D., and Robert L. Wiegel, *Cnoidal Waves: Tables of Functions*, The Engineering Foundation, Council on Wave Research, Berkeley, CA, 1961, 129 pp
- Maso, Miguel Saderra, *Catalog of Violent and Destructive Earthquakes in The Philippines, 1599-1909*, Weather Bureau, Manila Central Observatory, Manila, Philippine Islands, 1910
- Maso, Miguel Saderra, *The Eruption of Teal Volcano, January 30, 1911*, U.S. Weather Bureau, Dept. Interior, Manila, Philippine Islands, 1911, 45 pp, 7 plates
- Maso, Miguel Saderra, "Great Earthquake and Tidal Wave in Southern Mindanao, Philippine Islands," *Bull. Seis. Soc. Amer.*, Vol. 8, 1918, pp 125-126
- Matsutomi, Hideo, "Numerical Analysis of the Run-up of Tsunamis on Dry Bed," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 479-493
- Matsutomi, Hideo, and Nobuo Shuto, "Tsunami Inundation Depth, Current Velocity and Degree of Damage to Houses," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 195-199
- Matsutomi, H., "A Practical Formula for Estimating Impulsive Force Due to Driftwoods and Variation Features of the Impulsive Force," *Jour. Hyd., Coastal and Environmental Engineering*, JSCE, Japan, No. 621/II-47, 1999, pp 111-127 (in Japanese, with English abs.)
- Matsutomi, H., Y. Kawata, N. Shuto, Y. Tsuji, K. Fujima, F. Imamura, M. Matsuyama, T. Takahashi, N. Maki, and S.S. Han, "Flow Strength on Land and Damage of the 1998 Papua New Guinea Tsunami," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 179-196
- Matsutomi, H., and K. Imai, "Reflection of an Obliquely Incident Bore from a Wall," In *Proc. of Coastal Engineering, JSCE, Japan, 2003*, pp 261-265
- Matsutomi, Hideo, and Kentaro Imai, "Reflection of an Obliquely Incident Bore from an Inclined Wall," In *Coastal Engineering 2004: Proc. of the 29th International Conference*, ed. Jane McKee Smith, World Scientific, New Jersey, Vol. 1, 2005, pp 617-628
- Matsuyama, M., J.P. Walsh, and H. Yeh, "The Effect of Bathymetry on Tsunami Characteristics at Sissano Lagoon, Papua New Guinea," *Geophys. Res. Lett.*, Vol. 26, 1999, pp 3,513-3,516
- Matsuzawa, Takeo, "Some Considerations on Tsunamis," *Zisin, Japan*, Vol. 5, No. 5, 1933, pp 9-14
- Matsuzawa, Takeo, "Directivity of Tsunamis," *Zisin, Japan*, Vol. 9, No. 1, 1937, pp 23-25
- Maul, George A., and Douglas M. Martin, "Elements of

- a Tsunami Warning System for the Intra-Americas Sea," In *Tsunami Observations, Modelling, and Hazard Reduction*, Birmingham, July 1999, IUGG XXII General Assembly; Abstracts, 19th International Tsunami Symposium, 1999, p. B.127
- Maxworthy, T., "Experiments of Collisions Between Solitary Waves," *Jour. Fluid Mech.*, Vol. 76, Part 1, 14 July 1976, pp 177-186
- Mazova, R.Kh., E.N. Pelinovsky, and S.L. Solov'ev, "Statistic Data on the Character of Tsunami Waves Run-up," *Oceanology*, Vol. 23, 1983, pp 932-936
- Mazova, R. Kh., "The Runup Description for Monochromatic Wave Propagating from the Deep Water," In Report on the *International Workshop on Long Wave Runup, Catalina Island, California*, eds. P. Liu, C. Synolakis, and H. Yeh, *Jour. Fluid Mech.*, Vol. 229, 1991, pp 675-688
- McAdoo, B.G., L.F. Pratson, and D.L. Orange, "Submarine Landslide Geomorphology, U.S. Continental Slope," *Marine Geology*, Vol. 169, 2000, pp 103-136
- McCreery, Charles S., "Richard H. Hagemeyer Pacific Tsunami Warning Center: Seismic Data and Analysis Capabilities for Pacific Rim Events," *Tsunami Newsletter*, Vol. 36, No. 1, Jan.-March 2004, pp 3-6
- McCreery, Charles S., "Pacific Tsunami Warning Center: Sea Level Data for Measuring Pacific-Rim-Generated Tsunamis," *Tsunami Newsletter*, Vol. 36, No. 2, April-July 2004, pp 9-11
- McCue, K.F., "An AGSO Perspective on PNG's Tsunamigenic Earthquake of 17 July 1998," *Austral. Geol. Intl.*, Vol. 9, 1998, pp 1-2
- McCulloch, D.S., *Slide-induced Waves, Seiching and Ground Fracturing Caused by the Earthquake of March 27, 1964 at Kenai Lake, Alaska*, U.S. Geol. Survey Prof. Paper 543-A, 1966, pp A1-A41
- McCulloch, D., "Evaluating Tsunami Potential," In *Evaluating Earthquake Hazards in the Los Angeles Region - An Earth Science Perspective*, ed. J.I. Ziony, U.S. Geological Survey Professional Paper 1360, U.S. Gov't. Printing Office, Wash. D.C., 1985, pp 374-413
- McGarr, Arthur, "Excitation of Seiches in Channels by Seismic Waves," *Jour. Geophys. Res.*, Vol. 70, No. 4, 1965, pp 847-854
- McGehee, David D., and James P. McKinney, "Tsunami Detection and Warning Capability Using Nearshore Submerged Pressure Transducers: Case Study of the 4 October 1994 Shikotan Tsunami," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 133-143
- McKean, K., and M. Mohs, "Tracking the Killer Waves," *Discover*, Vol. 4, No. 8, 1983, pp 18-24
- McMurtry, G.M., P. Watts, G.J. Fryer, J.R. Smith, and F. Imamura, "Giant Landslides, Mega-tsunamis, and Paleo-sea Level in the Hawaiian Islands," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 219-233
- McSaveney, M., and J. Goff, "Subsidence Identified as Trigger of Catastrophic Tsunami," *Globe, New Zealand Inst. Geological and Nuclear Science Newsletter*, Dec. 1998, p. 7
- McSaveney, Mauri, "Tsunami, the Experience," *Tephra*, Oct. 1999, pp 36-41
- McAdoo, B.G., and P. Watts, "Tsunami Hazard from Submarine Landslides on the Oregon Continental Slope," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 235-245
- McCarthy, R.J., E.N. Bernard, and M.R. Legg, "The Cape Mendocino Earthquake; A Local Tsunami Wakeup Call?" In *Proc. 8th Symp. on Coastal and Ocean Management, New Orleans, Louisiana, 19-23 July 1993*, ASCE, 1993, pp 2,812-2,828. Also in *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 243-259
- McCoy, Floyd W., and Grant Heiken, "Tsunami Generated by the Late Bronze Age Eruption of Thera (Santorini), Greece," In *Landslides and Tsunamis*, eds. B.H. Keating, C.F. Waythomas, and A.G. Dawson, *Pure and Applied Geophysics*, Vol. 157, 2000, pp 1,227-1,256
- McCredie, Scott, "Tsunamis: The Wrath of Poseidon," *Smithsonian*, Vol. 24, No. 12, March 1994, pp 28-39
- McSaveney, M., J. Goff, et al., "The 17 July 1998 Tsunami, Papua New Guinea: Evidence and Initial Interpretation," *Marine Geology*, Vol. 70, 2000, pp 81-92
- Medbery, Alec H., Guy W. Urban, Paul M. Whitmore, and Thomas J. Sokolowski, "Remote Operation of the West Coast and Alaska Tsunami Warning Center," *Science of Tsunami Hazards*, Vol. 20, No. 4, 2002, pp 216-221
- Mei, C.C., and B. Le Mehaute, "Note on the Equations of Long Waves Over an Uneven Bottom," *Jour. Geophys. Res.*, Vol. 71, No. 2, Jan. 1966, pp 393-400
- Mei, Chiang C., "Aspects of Numerical Method for Long Wave Diffraction," In *Tsunami: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 225-230
- Mei, C.C., "Scattering of Solitary Wave at Abrupt Junction," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 111, No. 2, 1985, pp 319-328
- Mei, C.C., *The Applied Dynamics of Ocean Surface Waves*, World Scientific, Singapore, 1989, 740 pp (see pp 30-31)
- Melnick, Norman, and John O'Connor, "Wave Gawkers Jam Beaches," (tsunami alert), *San Francisco Examiner*, CA, 8 May 1986, p. A-4
- Melville, W.K., "On the Mach Reflection of a Solitary Wave," *Jour. Fluid Mech.*, Vol. 98, 1980, pp 285-297
- "Memorium. Professor Sergei Soloviev, 1930-1983," by Anon., *Science of Tsunami Hazards*, Vol. 12, No. 1, 1993, pp 60-62
- Menard, H.W., *Marine Geology of the Pacific*, McGraw Hill Book Co., 1964, 271 pp
- Mendes, V, L., Maria Ana Viana Baptista, and Jose Z. Simoes, "Destructive Earthquakes and Tsunami Warning System," *Terra Nova*, Vol. 3, No. 2, 1991
- Mendes, V, L., M.A. Baptista, S. Heitor, "The Effects of the 1755 Tsunami on the City of Lisbon," *Abstract XXI Gen. Ass., IUGG, Boulder, CO, 2-14 July 1995*

- Mendes, V. L., M.A. Baptista, J.M. Miranda, and P.M.A. Miranda, "Can Hydrodynamic Modelling of Tsunami Contribute to Seismic Risk Assessment," *Phys. Chem. Earth (A)*, Vol. 24, No. 2, 1999, pp 139-144
- Mendes-Victor, L., A. Ribeiro, L. Matias, M.A. Baptista, J.M. Miranda, et al., "Progresses in the Assessment of Tsunami Genesis and Impacts Around the Portuguese Coasts," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Menke, W., and V. Levin, "A Strategy to Rapidly Determine the Magnitude of Great Earthquakes," *EOS, Trans., Amer. Geophysical Union*, Vol. 86, No. 19, 10 May 2005, p. 185+
- Mercado, A., and W.R. McCann, "Numerical Simulation of the 1918 Puerto Rico Tsunami," *Natural Hazards*, Vol. 18, No. 1, 1998, pp 57-76
- Meyer, R.E., "On the Shore Singularity of Water-waves. I. The Local Model," *Phys. Fluids*, Vol. 29, 1986, pp 3,152-3,163
- Meyer, R.E., "On the Shore Singularity of Water-wave Theory. II. Small Waves do not Break on Gentle Beaches," *Phys. Fluids*, Vol. 29, 1986, pp 3,164-3,173
- Middleton, J.H., M.L. Cahill, and W.W. Hsieh, "Edge Waves on the Sydney Coast," *Jour. Geophys. Res.*, Vol. 92, No. C9, 15 Aug. 1987, pp 9,487-9,493
- Mihailovic, J., "Recent Catastrophes in Albania," *Ann. Geol. Penins. Balk.*, Belgrade, Vol. 12, No. 2
- Milburn, H.B., A.I. Nakamura, and F.I. Gonzalez, "Real-time Tsunami Reporting from the Deep Ocean," *Proc. of the Oceans 96 MTS/IEEE Conf.*, Sept. 23-26, 1996, Fort Lauderdale, FL, 1996, pp 390-394
- Miles, John W., and W.H. Munk, "Wave Response of Harbors to Tsunamis," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science, Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, p. 53 (abstract)
- Miles, J.W., "Surface-wave Scattering Matrix for a Shelf," *Jour. Fluid Mech.*, Vol. 46, 1971, pp 241-265
- Miles, J.W., and W.H. Munk, "The Harbor Paradox," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 87, No. WW3, Aug. 1961, pp 111-130; Discussions by B. LeMehaute and by B. Wilson, and Closure by Miles, same journal, Vol. 88, No. WW2, May 1962, pp 173-195. (For subsequent comments by J.W. Miles, see Miles, 1979, at the "Tsunamis: National Science Foundation Workshop, May 1979," eds. L.S. Hwang and Y.K. Lee, 1979, pp 214-216)
- Miles, John W., "Resonant Response of Harbors (The Harbor Paradox Revisited)," In *Eighth Symposium on Naval Hydrodynamics, Calif. Inst. Tech., CA, August 24-28, 1970*, Office of Naval Research, ONR ACR-179, pp 95-115
- Miles, John W., "Resonant Response of Harbors: An Equivalent Circuit Analysis," *Jour. Fluid Mech.*, Vol. 46, 1971, pp 241-265
- Miles, John W., "Wave Propagation Across the Continental Shelf," *Jour. Fluid. Mech.*, Vol. 54, Part 1, 1972, pp 63-80
- Miles, John W., "Harbor Seiching," *Ann. Rev. Fluid*
- Mercado, A., and W.R. McCann, "Evaluation of the Tsunami Hazard for Eastern Hispaniola and Western Puerto Rico in the Caribbean Region," In *International Tsunami Symposium, Seattle, Washington, 7-10 Aug. 2001*, NOAA, Pacific Marine Environmental Lab., Seattle, WA, available on website <http://www.pmel.noaa.gov/its2001/>
- Mercado, A., N.R. Grindlay, P. Lynett, and P.L-F. Liu, *Investigation of the Potential Tsunami Hazard on the North Coast of Puerto Rico Due to Submarine Landslides along the Puerto Rico Trench*, Puerto Rico State Emergency Management Agency, 2002, 432 pp
- Mercado-Irizarry, Aurelio, and Philip Liu, "Caribbean Tsunami Workshop, 30-31 March 2004," *Tsunami Newsletter*, Vol. 36, No. 1, Jan.-March 2004, pp 7-8
- Merchant, Khozem, "Waves Wreck Indian Coastal Livelihoods," *Financial Times*, 28 Dec. 2004, p. 2
- Mech.*, Vol 6, 1974, pp 17-35
- Miles, John W., "The Korteweg-de Vries Equation: A Historical Essay," *Jour. Fluid Mechanics*, Vol. 106, 1981, pp 131-147
- Miles, J.W., "Obliquely Interacting Solitary Waves," *Jour. Fluid Mech.*, Vol. 79, 1977, pp 157-169
- Miles, J.W., "Resonantly Interacting Solitary Waves," *Jour. Fluid Mech.*, Vol. 79, 1977, pp 171-179
- Miles, J.W., "Discussion - Session on Bay and Harbor Response to Tsunamis," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 214-216
- Miller, Don J., "Giant Waves in Lituya Bay, Alaska," *U.S. Geological Survey Prof. Paper*, 354-C, 1960, pp 51-86
- Miller, Don J., "The Alaska Earthquake of July 10, 1958: Giant Wave in Lituya Bay," *Bull. Seismological Society of America*, Vol. 50, No. 2, April 1960, pp 253-266
- Miller, Gaylord R., Walter H. Munk, and Frank E. Snodgrass, "Long-Period Waves over California's Continental Borderland. Part II. Tsunamis," *Journal of Marine Research*, Vol. 20, No. 1, 15 March 1962, pp 31-41
- Miller, Gaylord R., *Tsunamis and Tides*, Ph.D. thesis, Univ. California, San Diego, CA, 1964, 120 pp
- Miller, Gaylord R., *Relative Spectra of Tsunamis*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, Rept No. HIG-72-8, May 1972, 21 pp
- Miller, Gaylord R., (Obituary, 1931-1976), by Anon., *Tsunami Newsletter*, Vol. 9, No. 4, Dec. 1976, p. 1
- Miller, Greg, "The Tsunami's Psychological Aftermath," *Science*, Vol. 309, No. 5737, 12 Aug. 2005, pp 1,030-1,033
- Miller, Jacquelin, et al., "In Memoriam: Doak Carey Cox, January 26, 1917 - April 21, 2003," *Tsunami Newsletter*, Vol. 35, No. 3, June 2003, pp 6, 7, and 12
- Miller, R.L., and R.V. White, *A Single-Impulse System for Generating Solitary, Undulating Surge*,

- and Gravity Shock Waves in a Laboratory, Fluid Dynamics and Sediment Transport Lab. Rep. No. 5, Dept. of Geophysical Science, Univ. of Chicago, 1966
- Miller, R.L., "Experimental Determination of Runup of Undular and Fully Developed Bores," *Jour. Geophys. Res.*, Vol. 73, 1968, pp 4,497-4,510
- Milne, J., "Peruvian Earthquake of May 9, 1877," *Seismol. Soc. Japan, Translation 2*, Vol. 2, 1880, pp 50-96
- Milne, John, "The Great Sea Waves in Japan," *The Geographical Journal*, London, Vol. 8, 1896, pp 157-160
- Milne, John, "The Great Seismic Wave of Japan," *Nature*, London, Vol. 54, 1896, pp 449-450
- Milne, J., "Sub-Oceanic Changes," *Geographical Jour.*, London,, Vol. 10, No. 2, 1897, pp 129-146; Vol.10, No. 3, 1987, pp 259-289
- Minoura, K., S. Nakaya,, and M. Uchida, "Tsunami Deposits in a Lacustrine Sequence of the Sanriku Coast, Northeast Japan," *Sedimentary Geology*, Vol. 89, 1994, pp 25-31
- Minoura, K., and T. Nakata, "Discovery of an Ancient Tsunami Deposit in Coastal Sequences of Southwest Japan: Verification of a Large Historic Tsunami," *Island Arc*, Vol. 3, 1994, pp 66-72
- Minoura, K., F. Imamura, T. Takahashi, and N. Shuto, "Sequence of Sedimentation Processes Caused by the 1992 Flores Tsunami: Evidence from Babi Island," *Geology*, Vol. 25, No. 6, June 1997, pp 523-526
- Minoura, K., F. Imamura, U. Kuran, T. Nakamura, G.A. Papadopoulos, T. Takahashi, and A.C. Yalciner, "Discovery of Minoan Tsunami Deposits," *Geology*, Vol. 28, No. 1, Jan. 2000, pp 59-62
- Mirchina, N.P (sic, N.R.?)., E.N. Pelinovsky, and S.Kn. Shavratsky, "Parameters of Tsunami Waves in the Source," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1, No. 1, Oct. 1982, pp B-1 through B-7. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Mirchina, N.R., and E.N. Pelinovsky, "The Dependence of Tsunami Wave Period on the Source Dimensions," *Marine Geodesy*, Vol. 5, No. 3, 1981
- Mirchina, N.R., and E.N. Pelinovsky, "Nonlinear and Dispersive Effects for Tsunami Waves in the Open Ocean," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1, No. 1, Oct. 1982, pp D-1 through D-9. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Mirchina, N.R., and E.N. Pelinovsky, "Estimation of Underwater Eruption Energy Based on Tsunami Wave Data," *Natural Hazards*, Vol. 1, No. 3, 1988, pp 277-283
- Mitchell, G.E., "Landslides and Rock Avalanches," *National Geographic Magazine*, Vol. 21, No. 4, 1910, pp 277-287
- Mitchell, R.C., "Submarine Landslides off the Coast of Puerto Rico and Barbados, West Indies," *Nature*, Vol. 173, No. 4394, 1954, pp 119-121
- Miyabe, N., "An Investigation of the Sanriku Tsunami Based on Marigram Data," *Bull. Earthquake Res. Inst.*
- Milne, J., *Earthquakes and Other Earth Movements*, Paul, Trench, Trubner and Co., London, 1898
- Miloh, T., and H.L. Striem, "Tsunamis Effects at Coastal Sites Due to Offshore Faulting," In *Structure and Tectonics of the Eastern Mediterranean*, ed. O.H. Oren, *Tectonophysics*, Vol. 46, 1978, pp 347-356
- Ming, D., and D. Wang, "Studies on Waves Generated by Landslide," *Proc. XXV Congress, IAHR*, Tech. Session C, 1993, pp 1-8
- Ministries of Agriculture-Forestry-and-Fisheries, Transport, and Construction, *Investigation Report on the Improvement Plan of Disaster Prevention Facilities by Tsunami in Eastern Japan Sea*, Japan, 1996, 329 pp
- Minoura, K., and S. Nakaya, "Traces of Tsunami Preserved in Intertidal Lacustrine and Marsh Deposits: Some Examples from Northeast Japan," *Jour. Geology*, Vol. 99, 1991, pp 265-287  
*Suppl.*, Tokyo Imperial Univ., Japan, Vol. 1, 1934
- Miyabe, N., "Tsunami Associated with the Earthquake of August 2, 1940," *Bull. Earthquake Res. Inst.*, Tokyo Imperial Univ., Japan, Vol. 19, 1940, pp 104-114
- Miyoshi, Hisashi, "Efficiency of the Tsunami," *Jour. of the Oceanographical Soc. Japan*, Tokyo, Vol. 10, No. 1, 1954, pp 11-14
- Miyoshi, Hisashi, "Directivity of the Recent Tsunamis," *Jour. of the Oceanographical Soc. Japan*, Tokyo, Vol. 11, No. 4, 1955, pp 151-155
- Miyoshi, Hisashi, "The Most Amazing Tsunami in History," *Tsunami Newsletter*, Vol. 10, No. 1, March 1977, pp 1-3
- Miyoshi, H., "Energy of the Tsunami Converging into an Island," In *Proc. 1983 Tsunami Symposium, Hamburg, FRG*, Aug. 1983, ed. E. Bernard, PMEL/NOAA, Seattle, WA, U.S. Dept. of Commerce, 1984, pp 241-247
- Miyoshi, K. Iida, H. Suzuki, and Y. Osawa, "The Largest Tsunami in the Sanriku District," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 205-211
- Miyoshi, Hisashi, "The Experiment on the Seiche," In *Proc.:1983 Tsunami Symposium, Hamburg, FRG*, August 1983, ed. E.N. Bernard, PMEL/NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 23-36
- Miyoshi, H., "Reconsideration on the Huge Tsunamis - Utility of the Seawall," *Proceedings: 1983 Tsunami Symposium, Hamburg, FRG, August 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash. D.C., 1984, pp 107-115
- Mizoguchi, Yutaka, "Study on the Tsunami," *Report on the Tokachi-oki Earthquake, Hokkaido, Japan*, March 4, 1952, Sapporo, Japan, pp 287-294
- Mizutani, S., and F. Imamura, "Dynamic Wave Force of Tsunamis Acting on a Structure," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program, Seattle, Washington*, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 943-950
- Mofjeld, H.O., F.I. Gonzalez, and J.C. Newman, "Short-term Forecasts of Inundation During

- Teletsunamis in the Eastern North Pacific Ocean," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 145-155
- Mofjeld, H.O., M.G. Foreman, and A. Ruffman, "West Coast Tides During Cascadia Subduction Zone Tsunamis," *Geophysical Research Lett.*, Vol. 24, 1997, pp 2,215-2,218
- Mofjeld, H.O., F.I. Gonzalez, and J.C. Newman, "Tsunami Prediction in U.S. Coastal Regions," *Coastal and Estuarine Studies*, Vol. 56, 1999, pp 353-375
- Mofjeld, H.O., V.V. Titov, F.I. Gonzalez, and J.C. Newman, *Analytical Theory of Tsunami Wave Scattering in the Open Ocean with Application to the North Pacific*, U.S. Dept. Commerce, NOAA Tech. Memo. OAR PMEL-116, Pacific Marine Environmental Laboratory (PMEL), Seattle, WA, 2000, 38 pp
- Momoi, Takao, "The Directivity of Tsunami, Part 1. The Case of Instantaneously and Uniformly Elevated Elliptical Wave Origin," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 40, 1962, pp 297-307
- Momoi, Takao, "Some Remarks on Generation of Waves from Elliptical Wave Origin," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 40, No. 2, 1962, pp 297-307
- Momoi, Takao, "General Method of Treatment of Tsunami Caused by the Displacement of a Portion of the Bottom with an Arbitrary Form," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 40, 1962, pp 309-324
- Momoi, Takao, "The Effects of Coastlines on the Tsunami (2) and Some Remarks on the Chilean Tsunami," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 40, 1962, pp 733-646
- Momoi, Takao, "Tsunami in a Canal of Varying Width," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 41, 1963, pp 375-389
- Momoi, Takao, "The Effects of a Bottle-neck on Tsunami," *Bull. Earthquake Res. Institute*, Tokyo Univ., Japan, Vol. 41, 1963, pp 573-580
- Momoi, Takao, "Diffraction of Tsunami Invading a Semi-circular Peninsula," *Bull. Earthquake Research Institute*, Tokyo Univ., Vol. 41, 1963, pp 589-594
- Momoi, Takao, "Tsunami in an L-shaped Bay [I]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 41, 1963, pp 705-717
- Momoi, Takao, "Tsunami in a T-shaped Canal," *Bull. Earthquake Research Institute*, Tokyo Univ, Japan, Vol. 41, 1963, pp 357-373
- Momoi, Takao, "Tsunami in an L-shaped Canal [I]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 41, 1963, pp 581-587
- Momoi, Takao, "Tsunami in an L-shaped Canal [II]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 42, 1964, pp 449-463
- Momoi, Takao, "Tsunami in the Vicinity of a Wave Origin," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 42, 1964, pp 133-146
- Momoi, Takao, "Tsunami in an L-shaped Canal [III]," *Bull. Earthquake Research Institute*, Tokyo, Japan, Vol. 43, 1965, pp 745-754
- Mogi, K., "Development of Aftershock Areas of Great Earthquakes," *Bull. Earthq. Res. Inst.*, Univ. Tokyo, Japan, Vol. 46, 1968, pp 175-203
- Mogi, K., "Some Features Between the Occurrence of Great Earthquakes and Tectonic Structures," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 47, 1969, pp 429-451
- Molina, Enrique, *Tsunami Catalogue for Central America, 1539-1996, for Reduction of Natural Disasters in Central America, Earthquake Preparedness, and Hazard Mitigation*, Institute of Solid Earth Physics, Univ. Bergen, Norway, Technical Rept. No. II 1-04, 1997, 87 pp
- Momoi, Takao, "The Effects of Coastlines on the Tsunami [I] and Some Remarks on the Chilean Tsunami," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 40, 1961, pp 719-732
- Momoi, Takao, "Tsunami in the Vicinity of a Wave Origin (IV)," *Bulletin of the Earthquake Research Institute*, Tokyo University, Japan, Vol. 43, 1965, pp 755-772
- Momoi, Takao, "Tsunami in an L-shaped Canal [IV] - The Fourth Approximation," *Bull. Earthquake Research Institute*, Tokyo Univ, Japan, Vol. 44, 1966, pp 121-140
- Momoi, T., "A Long Wave Around a Breakwater (Case of Perpendicular Incidence) [V]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 46, 1968, pp 889-899
- Momoi, T., "A Long Wave Around a Breakwater (Case of Lateral Incidence) [VI]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 47, 1969, pp 165-184
- Momoi, T., "A Long Wave in the Vicinity of an Estuary [VI]," *Bull. Earthquake Research Institute*, Tokyo Univ., Japan, Vol. 47, 1969, pp 487-521
- Momoi, T., "Scattering of Long Waves at the Mouth of Estuaries Bordering on a Continental Shelf, Part I and II," *Jour. Phys. Earth*, Vol. 24, 1976, pp 1-25 and 237-250
- Monaghan, J., and A. Kos, "Scott Russell's Wave Generator," *Physics of Fluids*, Vol. 12, 2000, pp 622-630
- Moore, D.C., "Submarine Slumps," *Jour. Sed. Pet.*, Vol. 31, 1961, pp 343-357
- Moore, James G., Kazuaki Nakamura, and Arturo Alcaraz, "The 1965 Eruption of Taal Volcano," (tsunami in Lake Taal), *Science*, Vol. 151, No. 3713, 25 Feb. 1966, pp 955-960
- Moore, J.G., and G.W. Moore, "Deposit from a Giant Wave on the Island of Lanai, Hawaii," *Science*, Vol. 226, 1984, pp 1,312-1,315
- Moore, J.G., D.A. Clague, R.T. Holcom, P.W. Lipman, W.R. Normak, and M.E. Torresan, "Prodigious Submarine Landslides on the Hawaiian Ridge," *Jour. Geophy. Res.*, Vol. 94, 1989, pp 17,465-17,484
- Moreira, V. Sousa, *Tsunamis Observados Em Portugal*, Servico Meteorologico Nacional, Publicacao Geo 134, Lisbon, 1968, 17 pp (in Portuguese)
- Moreira, V.S., "Earthquakes and Tsunami in the



- European Area," *XIIIth Gen. Ass. Europ. Seism. Commis., Bucharest, 1974*, 12
- Moreira, V. Sousa, "Historical and Recent Tsunamis in the European Area," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 37-42
- Morgan, Joseph, "A Tsunami Avoidable Susceptibility Index," *Science of Tsunami Hazards*, Vol. 2, No. 1, 1984, pp 3-12
- Mukerjee, Madhusree, "The Scarred Earth," *Scientific American*, Vol. 292, No. 3, March 2005, pp 18-20
- Munk, Walter H., "Increase in Period of Waves Travelling Over Large Distances with Application to Tsunamis, Swell and Seismic Surface Waves," *Trans., Amer. Geophys. Union*, Vol. 28, No. 2, April 1947, pp 198-217
- Munk, Walter H., Hector V. Iglesias, and T.R. Munk, W.H., F.E. Snodgrass, and G. Carrier, "Edge Waves on the Continental Shelf," *Science*, Vol. 123, 1956, pp 127-132
- Munk, Walter H., F.E. Snodgrass, and M.J. Tucker, "Spectra of Low-Frequency Ocean Waves," *Bulletin of the Scripps Inst. Oceanography*, Univ. of California, La Jolla, CA, Vol. 7, No. 4, 1959, pp 283-362, 13 figs. in text, 10 charts
- Munk, W.H., G.R. Miller, and F.E. Snodgrass, "Long-Period Waves Over California's Continental Borderland: Part III, The Decay of Tsunamis and the Dissipation of Tidal Energy," *Journal of Marine Research*, Vol. 20, No. 2, 15 July 1962, pp 119-120
- Munk, W., and H. Cepeda, "Concerning a Remarkably Sharp Peak in the Sea Level Spectra at Acapulco," *Contributions, University of California, San Diego, Scripps Institution of Oceanography*, Vol. 32, 1962, pp 1,031-1,040
- Munk, W.H., "Long Ocean Waves," In *The Sea: Ideas and Observations in Progress in Study of the Sea*, Interscience, New York, 1962, pp 647-663
- Munk, W.H., "Some Comments Regarding Diffusion and Absorption of Tsunamis," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, Aug.- Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 53-72
- Munk, W.H., F.E. Snodgrass, and F. Gilbert, "Long Waves on the Continental Shelf: An Experiment to Separate Trapped and Leaky Modes," *Jour. of Fluid Mechanics*, Vol. 20, Part 4, 1964, pp 529-554
- Munk, Walter H., "Affairs of the Sea," *Annual Reviews of Earth and Planetary Sciences*, Vol. 8, 1980, pp 1-16
- Murakami, H., Y. Hosoi, T. Shimada, and H. Mino, "Hydraulic Characteristics of Tsunami Overtopping a Seawall," *Proc. 35th Japanese Conf. on Coastal Engrg.*, Japan, 1988, pp 592-596
- Murakami, Hitoshi, Tomio Shimada, Yoshihiko Hosoi, and Yohko Hiraiwa, "Historical Tsunami Heights Along the Coast of Shikoku Island in Japan," In *Recent Advances in Marine Science and Technology*, 92, ed. Narendra Saxena, PACON International, 1993, pp 105-114
- Murakami, H., S. Itoh, Y. Hiraiwa and T. Shimada, "Re-Examination of Historical Tsunamis in Shikoku Island, Japan," In *Tsunami: Progress in Prediction*, Folsom, "An Instrument for Recording Ultra Low Frequency Ocean Waves," *The Review of Scientific Instruments*, Amer. Inst. Physics, Vol. 13, No. 10, 1948, pp 654-658
- Munk, Walter H., *Protection of Hilo, Hawaii from Tsunamis*, report to Honolulu District Engineer, U.S. Army Corps of Engineers, Hawaii, 1950, 14 pp
- Munk, Walter H., "Origin and Generation of Waves," In *Proc. First Conference on Coastal Engineering, Long Beach, California, October 1950*, ed. J.W. Johnson, Council on Wave Research, The Engineering Foundation, Berkeley, CA, 1951, pp 1-4
- Munk, Walter H., "Small Tsunami Waves Reaching California from the Japanese Earthquake of March 4, 1953," *Bull. Seis. Soc. Amer.*, Vol. 43, No. 3, 1953, pp 219-222
- Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 197-210
- Murata, K.J., "Vigil for Disaster," *Geotimes*, Vol. 5, No. 5, 1961, pp 12-13
- Murphy, Laurel, "The Day the Sea Roared," *The Maui News*, HI, 31 March 1996, pp A1 and A3
- Murphy, Leonard M., and Franklin P. Ulrich, "Tidal Disturbances of Seismic Origin," U.S. Coast and Geodetic Survey, *U.S. Earthquakes*, Serial No. 755, 1952, p. 19
- Murphy, Leonard M., and William K. Cloud, "Tidal Disturbances of Seismic Origin," U.S. Coast and Geodetic Survey, *U.S. Earthquakes*, Serial No. 785, 1953, p. 29
- Murphy, L.M., and R.A. Eppley, "Developments and Plans for the Pacific Tsunami Warning System," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 261-270
- Murtaugh, Elizabeth, "UW Scientist Probes Indian Myth for Tsunami Clues," *Berkeley Daily Planet*, CA, 11 Aug. 2002, p. 9
- Murty, T.S., and L. Boilard, "The Tsunami in Alberni Inlet Caused by the Alaska Earthquake of March 1964," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 165-187
- Murty, T.S., and R.F. Henry, *Some Tsunami Studies for the West Coast of Canada*, Dept. Environment, Mar. Sci. Dir., Ottawa, Canada, Manuscript Report Series No. 28, 1972, 46 pp
- Murty, T.S., S.O. Wigen, and R. Chawla, *Some Features of Tsunamis on the Pacific Coast of South and North America*, Marine Sciences Directorate, Dept. of the Environment, Ottawa, Canada, Manuscript Report Series No. 36, 1975, 37 pp. Also: In *Proc. Tsunami Committee XVII Meeting, Inter. Assoc. Seismol., Physics of Earth Interiors*, Aug. 20-31, 1973, Lima, Peru
- Murty, T.S., and S.O. Wigen, "Tsunami Water Levels and Spectra for Peru," (tide gage recordings), *Tsunami Newsletter*, Vol. 8, No. 1, Jan. 1975, pp 2-17
- Murty, T.S., and S.O. Wigen, "Tsunami Behavior on the Atlantic Coast of Canada and Some Similarities to

- the Peru Coast," *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. of New Zealand, Bull. 15, and UNESCO Press, 1976, pp 51-60
- Murty, T.S., and R.J. Polavarapu, "Atmospheric Acoustic and Internal Gravity Waves and Their Relevance to Tsunami Prediction," In *Tsunami Research Symposium 1974: Proceedings*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO Press, 1976, pp 99-109
- Murty, T.S., "Deep Water Signature of Tsunami," *Marine Geodesy*, Vol. 1, 1977, p. 73
- Murty, T.S., *Seismic Sea Waves - Tsunamis*, Bulletin 198, Fisheries Research Board of Canada, Dept. of Fisheries, Ottawa, Canada, 1977, 337 pp and Murty, T.S., "Diffusive Kinematic Waves Versus Hyperbolic Long Waves in Tsunami Propagation," In *Proc. Tsunami Symposium, Hamburg, FRG, August 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash., D.C, 1984, pp 1-21
- Murty, T.S., and H.G. Loomis, "Diffracted Long Waves Along Continental Shelf Edges," In *Proc.: Tsunami Symposium, Hamburg, FRG, August 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash. D.C., 1984, pp 211-227
- Murty, T.S., M.I. El-Sabh, and Y. Gratton, "Hurst Phenomenon in Tsunamiogenic Earthquake Data," *Science of Tsunami Hazards*, Vol. 2, No. 1, 1984, pp 55-63
- Murty, T.S., and M.I. El-Sabh, "Numerical Simulation of the Tsunami Due to a Predicted Large Earthquake in the St. Lawrence Estuary," *Proc. International Tsunami Symposium 1985*, pp 75-81
- Murty, T.S., and W.J. Rapatz, eds., *Proceedings: International Tsunami Symposium, IUGG, 6-9 August 1985, Sidney, B.C., Canada*, at the Institute of Ocean Sciences, (12th IUGG Tsunami Symposium)
- Murty, T.S., and W. Rapatz, "Marine Geodetic Processes on the Pacific Coast of Canada," *Marine Geodesy*, Vol. 10, Nos. 3/4, 1986, pp 219-230
- Murty, T.S., and P.B. Crean, "Numerical Simulation of the Tsunami of June 23, 1946, in British Columbia, Canada," *Science of Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 15-24
- Murty, T.S., and E.N. Bernard, "Symposium on Tsunamis, Vancouver, 19-21 August 1987: Meeting Reports," *Natural Hazards*, Vol. 1, No. 3, 1988, p. 305
- Murty, T.S., and G.T. Hebenstreit, "Tsunami Amplitudes from Local Earthquakes in the Pacific Northwest Region of North America - Part 2: Strait of Georgia, Juan de Fuca Strait, and Puget Sound," *Marine Geodesy*, Vol. 13, No. 3, 1989, pp 189-210
- Murty, T.S., and M. Rafiq, "A Tentative List of Tsunamis in the Marginal Seas of the North Indian Ocean," *Natural Hazards*, Vol. 4, No. 1, 1991, pp 81-83
- Murty, T.S., and A. Bapat, "Tsunamis on the Coastline of India," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 167-172
- Murty, T.S., R.D. Scott, and C. Fournier, "Return Periods of Tsunamis in Chile: Comparison with other Regions on the Globe," *The Fourth International Congress on Earth Sciences, Santiago, Chile, August*
- microfiche
- Murty, T.S., and S.R. Durvasula, "Tsunamis Generated by Landslides in Eastern Canada," *Symposium on Tsunamis: Proceedings, Ensenada, Baja California, Mexico, March 23-26, 1977*, printed by Dept. Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Report Series No. 48, 1978, pp 18-23
- Murty, T.S., "Submarine Slide-generated Water Waves in Kitimat Inlet, British Columbia," *Jour. Geophysical Res.*, Vol. 84, No. C12, 1979, pp 7,777-7,779
- Murty, T.S., and H.G. Loomis, "A New Objective Tsunami Magnitude Scale," *Marine Geodesy*, Vol. 4, No. 3, 1980, pp 267-282
- 7 - 11, 2000  
<http://www.igm.cl>  
 Note: website not available when tried on 5 Sept. 2005
- Murty, T.S., "Tsunami Wave Height Dependence on Landslide Volume," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,147-2,153
- Musha, Kinkichi, "Visiting the Regions Attacked by Sanriku Tsunamis," *Zisin, Japan*, Vol. 5, No. 6, 1933, pp 12-22
- Myers, E.P., *Numerical Modeling of Tsunamis with Applications to the Sea of Japan and the Pacific Northwest*, M.Sc. thesis, Oregon Graduate Institute of Science and Technology, Portland, OR, 1994
- Myers, Edward P., and Antonio M. Baptista, "Finite Element Modeling of the July 12, 1993 Hokkaido Nansei-Okai Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 770-801
- Myers, Edward P., Antonio M. Baptista, and George R. Priest, "Finite Element Modeling of Potential Cascadia Subduction Zone Tsunamis," *Science of Tsunami Hazards*, Vol. 17, No. 1, 1999, pp 3-18
- Myles, Douglas, *The Great Waves*, McGraw-Hill Book Co., New York, 1985, 206 pp
- Mysak, L.A., *Continental Shelf Waves*, Ph.D. thesis, Harvard Univ., Cambridge, MA, 1966, 69 pp
- Mysak, L.A., "On the Theory of Continental Shelf Waves," *Jour. Marine Res.*, Vol. 25, 1967, pp 205-227
- Mysak, L.A., "On the Very Low Frequency Spectrum of the Sea Level on a Continental Shelf," *Jour. Geophys. Res.*, Vol. 72, 1967, pp 3,043-3,047
- Mysak, L.A., "Edge Waves on a Gently Sloping Shelf of Finite Width," *Jour. Mar. Res.*, Vol. 26, 1968, pp 24-33
- Nagai, Toshihiko, Noriaki Hashimoto, Katsuyoshi Shimizu, and Tomotuka Takayama, "Tsunami Profiles Observed at the NOWPHAS Offshore Wave Stations," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 237-242. Also in *Report of the International Tsunami Measurements Workshop, Estes Park, CO, USA, June 28-29, 1995*, co-conveners James F. Lander and Harry Yeh, 1995, pp 89-94.
- Nagai, T., N. Hashimoto, K. Shimizu, and F.

- Kitamura, "Offshore Tsunami Profiles Observed at the Coastal Wave Stations," In *Proc. 25th International Conference on Coastal Engineering (ICCE'96)*, ed. Billy L. Edge, ASCE, 1997, pp 1,465-1,477
- Nagai, T., H. Ogawa, K. Nukada, and M. Kudaka, "Characteristics of the Observed 2003 Tokachi-Off Earthquake Tsunami Profile," *Coastal Engineering Journal*, Japan Soc. Civil Engineers, Vol. 46, No. 3, 2004, pp 315-327
- Nagai, T., H. Ogawa, Y. Terada, T. Kato, and M. Kudaka, "GPS Buoy Application to Offshore Wave, Tsunami, and Tide Observation," In *Coastal Engineering 2004: Proc. of the 29th International Conference*, ed. Jane McKee Smith, World Scientific, New Jersey, Vol. 1, 2005, pp 1,093-1,105
- Nagano, Osami, Fumihiko Imamura, and Nobuo Shuto, "A Numerical Model for Far-field Tsunamis and Its Nakamura, K., "The Generation of Edge Waves by Cylindrical Waves Impinging from the Outer Sea," *Science Reports, Tohoku Univ.*, Sendai, Japan, Ser. 5, Geophysics, Vol. 14, 1962, pp 27-40
- Nakamura, Shigehisa, Yuichi Iwagaki, and Yoshito Tsuchiya, "Model Study of Transformation of Tsunamis in Urado Bay," *Proc. 12th Coastal Engineering Conf., Sept. 13-18, 1970, Washington D.C.*, ed. J.W. Johnson, ASCE, Vol. III, 1971, pp 2,089-2,102
- Nakamura, S., "On an Effect of River Discharge to Tsunami in a Model of Urado Bay," *Proc. Int. Symp. River Mech, IAHR, 9-12 Jan. 1973*, pp 183-194
- Nakamura, S., *A Study of Transformation of Long Period Waves and theirSuppressions*, Doctoral thesis, Kyoto Univ., Japan, 1974, 194 pp
- Nakamura, Shigehisa, Haruo Higuchi, and Yoshito Tsuchiya, "On Transformation of Tsunami Inundating into Osaka Bay," *Bull. Disaster Prevention Research Institute*, Kyoto Univ., Japan, Vol. 25, Dec. 1975, pp 37-53
- Nakamura, Shigehisa, "Tsunami Suppressor in Sloped Bottom Harbour," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 165-175
- Nakamura, Shigehisa, "Shock Pressure of Tsunami Surge on a Wall," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 177-185
- Nakamura, Shigehisa, "Edge Waves as Linear Solutions," *La Mer*, Vol. 14, No. 1, 1976, pp 1-6
- Nakamura, Shigehisa, "A Linear Edge Wave Excited by an External Action," *La Mer*, Vol. 14, Nos. 3-4, 1976, pp 139-143
- Nakamura, Shigehisa, Haruo Higuchi, and Toshito Tsuchiya, "Transformation of Tsunamis in a Coastal Zone," *Proc. 15 Conf. on Coastal Engineering, July 11-17, 1976, Honolulu, Hawaii*, ed. J.W. Johnson, ASCE, Vol. 1, Ch. 59, 1977, pp 988-1,005
- Nakamura, Shigehisa, "On Statistical Tsunami Risk of the Philippines," *South East Asian Studies*, Vol. 15, No. 4, 1978, pp 581-590
- Nakamura, Shigehisa, "A Concept of Tsunami Economics," *Marine Geology*, Vol. 1, No. 4, 1978, pp
- Application to Predict Damages to Aquaculture," *Natural Hazards*, Vol. 4, 1991, pp 235-255
- Nagaoka, H., "On Destructive Sea Waves (Tsunami)," *Proc. Tokyo Mathematico-Physical Soc.*, Japan, Vol. 2, No. 2, 1901, pp 126-136
- Nagaoka, Hantaro, "Tsunami," *Toyo Gakugei Zasshi*, Tokyo, Japan, Vol. 20, No. 257, 1903, pp 43-46
- Nakamura, K., "On the Waves Caused by the Deformation of the Bottom of the Sea I," *Science Reports, Tohoku Univ.*, Sendai, Japan, 5th Series, Vol. 5, 1953, pp 167-176
- Nakamura, Kohei, and K. Emura, "Maximum Water Height at Bay Head in Case of Tsunami Invasion," *Science Reports, Tohoku Univ.*, Sendai, Japan, Series 5, Geophysics, Vol. 13, 1961, pp 32-42
- 361-373
- Nakamura, Shigehisa, "On Statistics of Tsunamis in Indonesia," *South East Asian Studies*, Vol. 16, No. 4, March 1979, pp 664-674
- Nakamura, Shigehisa, "A Note of the Indonesian Earthquake and Tsunami of 19 August 1977," *South East Asian Studies*, Vol. 17, No. 1, June 1979, pp 157-162
- Nakamura, Shigehisa, "A Note on Statistics of Historical Tsunamis in Southeast Asia," *Proc. International Conf. Eng. Protect. Natural Disasters*, Asian Inst. Tech., Bangkok, 1980, pp 883-894
- Nakamura, S., and H.G. Loomis, "Normal Modes of Oscillation in Relation to Storm Surge and Tsunami in Osaka Bay, Japan," *La Mer*, Vol. 18, No. 2, 1980, pp 76-80
- Nakamura, Shigehisa, "Sumbawa Tsunami in a Scope of Numerical Experiment," *La Mer (Bulletin de la Societe Franco-Japonaise d'Océanographie)*, Tome 19, 1981, pp 30-37
- Nakamura, Shigehisa, "A Numerical Modeling of Tsunamis in Osaka Bay and Kii Channel," *La Mer (Bulletin de la Societe Franco-Japonaise d'Océanographie)*, Tome 19, 1981, pp 105-110
- Nakamura, Shigehisa, and H. Allison, "On Long Period Waves on the Western Australian Coast," *Proc. of 28th Conf. on Coastal Engineering in Japan*, Japan Society for Civil Engineers, 1981, pp 44-48
- Nakamura, Shigehisa, "Shelf-seiches off Susami, South of Japan," *La Mer*, Vol. 21, 1983, pp 119-124
- Nakamura, S., "A Numerical Tracking of the 1883 Krakatoa Tsunami," *Science of Tsunami Hazards*, Vol. 2, No. 1, 1984, pp 41-54
- Nakamura, Shigehisa, "Tsunami Flood Control at the Opening of a Bay or Harbor," In *Proc. 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 65-81
- Nakamura, Shigehisa, "Seiche on a Parabolic Sea Shelf," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA/PMEL, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 251-263
- Nakamura, S., "Estimate of Exceedance Probability of Tsunami Occurrence in the Eastern Pacific," *Marine Geodesy*, Vol. 10, No. 2, 1986, pp 195-209

- Nakamura, S., "On Audible Tsunami on the Coast," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 5-10
- Nakamura, S. "The 1837 Chilean Tsunami in the Northwestern Pacific," *La Mer*, Tome 18, 1988, pp 179-183
- Nakamura, S., "Reliability of Tsunami Recordings from Tidal Wells," *Marine Geodesy*, Vol. 13, No. 2, 1989, pp 147-158
- Nakamura, S., "A Tsunami Model of Kelvin Wave Type," *Marine Geodesy*, Vol. 13, No. 4, 1989, pp 341-346
- Nakamura, S., "A Notice on Chilean Tsunami in the Northwestern Pacific," *Proc. 4th PACON '90*, Vol. 1, 1990, pp 135-140
- Nakanishi, I., S. Kodaira, R. Kobayashi, M. Kasahara, and M. Kikuchi, "The 1993 Japan Sea Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, 1993, p. 34
- Nakano, M., "Preliminary Note on the Accumulation and Dissipation of Energy of the Secondary Undulations in a Bay," *Proc. Physico-Mathematical Soc. of Japan*, Vol. 14, 1932, pp 44-56
- Nakano, Masito, S. Unoki, M. Hanzawa, R. Marumo, and J. Fukuoka, "Oceanographic Features of a Submarine Eruption that Destroyed the Kaiyo-Maru No. 5," *Jour. Marine Research*, Vol. 13, No. 1, Oct. 1, 1954, pp 48-66
- Nakano, Masito, "A Theory of Growth of Tsunamis in a Bay," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 125-128
- Nakano, Masito, and Naohiro Fujimoto, "Seiches in Bays Forming a Coupled System," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 339-358
- Nakano, Masito, and Naohiro Fujimoto, "Seiches in Bays Forming a Coupled System (Correction and Supplement)," In *Proc. 1983 Tsunami Symposium, Hamburg, FRG, August 1983*, ed. E.N. Bernard, NOAA, U.S. Gov't. Printing Office, Wash. D.C., 1984, pp 37-63
- Nakashima, Ellen, (Washington Post), "Indonesia Faulted: Food, Water Stuck at Airport; Sri Lanka Reports First Cases of Disease; 3,500 Foreigners Unaccounted For," *San Francisco Chronicle*, CA, 30 Dec. 2004, pp A1 and A4
- Nakata, T., and T. Kawana, "Historical and Prehistorical Large Tsunamis in the Southern Ryukyus, Japan," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 211-222
- Namegaya, Y., and Y. Tsuji, "Delayed Peaks of Tsunami Waveforms at Miyako from Earthquakes East Off Hokkaido," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Nanayama, F., K. Satake, R. Furukawa, K. Shimokawa, B.F. Atwater, K. Shigeno, and S. Yamaki, "Unusually Large Earthquakes Inferred from Tsunami Deposits along the Kuril Trench," *Nature*, Vol. 424, 7 Aug.
- Nakamura, S., "Secular Upheaval of Datum Level in Relation to Tsunamigenic Earthquake," *Marine Geodesy*, Vol. 14, 1991, pp 137-141
- Nakamura, Shigehisa, "Multiple Resonant Modes of Waters in a Wide-Open Bay," In *Recent Advances in Marine Science and Technology*, '92, ed. Narendra Saxena, PACON International, 1993, pp 115-126
- Nakamura, S., "Transocean Tsunamis Observed in 1985," *Science of Tsunami Hazards*, Vol. 11, No. 1, 1993, pp 3-6
- Nakamura, Shigehisa, "Oceanic Subsurface Thermal Variations During the 1995 Hyogo South Earthquake," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 53-56
- 2003, pp 660-663
- Narayan, J.P., M.L. Sharma, and B.K. Maheshwari, "Effects of Medu and Coastal Topography on the Damage Pattern During the Recent Indian Ocean Tsunami Along the Coast of Tamilnadu," *Science of Tsunami Hazards*, Vol. 23, No. 2, 2005, pp 9-18
- Nasu, N., "Heights of Tsunamis and Damage to Structures," *Bulletin of the Earthquake Research Institute, Tokyo Imperial Univ., Japan, Supplementary Vol. 1, March 1934*, pp 218-235
- Nasu, N., "Local Phenomena of Tsunami, Part 2," *Bulletin of the Earthquake Research Institute, Tokyo Imperial Univ., Japan, Vol. 26, Nos. 1-4, 1948*, pp 27-35
- Nath, John H., and Robert G. Dean, eds., *Natural Hazards and Research Needs in Coastal and Ocean Engineering. Summary and Recommendations to the National Science Foundation and the Office of Naval Research*, by the Ad Hoc Committee for the Civil and Environmental Engineering Division, National Science Foundation, Workshop at Oregon State Univ., Corvallis, OR, 14-15 Feb. 1984. Printed Nov. 1984, 62 pp (tsunamis, pp 36-38)
- National Academy of Sciences, *The Great Alaska Earthquake of 1964: Oceanography and Coastal Engineering*, by Committee on the Alaska Earthquake of the Division of Earth Sciences, National Research Council, Washington D.C., 1972, 556 pp
- National Geophysical Data Center, *ETOPO5 Bathymetry Data*, NOAA, Boulder, CO
- National Geophysical Data Center, *Global Relief CD-ROM*, NOAA, Boulder, CO
- National Geophysical Data Center (NOAA), "Tsunami Catalogs," *EERI Newsletter*, Vol. 28, No. 8, 1994, p. 8
- National Ocean Service (NOS), *NOS-EZZ Bathymetry Data*, hydrographic survey data, NOAA, National Geophysical Data Center, Boulder, CO, on a CD-ROM, 1999, (updates available via internet)
- National Ocean Service (NOS), *Tsunami Travel-time Charts for Use in the Tsunami Warning System*, (Revised 1971 Edition), NOAA, U.S. Dept. Commerce, Rockville, MD, June 1971, 53 pp
- National Science Foundation and NOAA, *Tsunami Research Opportunities*; from The Tsunami Planning Workshop, Seattle, WA, Aug. 1981, eds. Eddie Bernard and Richard Goulet, Sept. 1981, 50 pp

- National Science Foundation, *Land Management in Tsunami Hazard Areas*, Urban Regional Research for the National Science Foundation, Washington, D.C., 1982
- National Science Foundation, *Planning for Risk: Comprehensive Planning for Tsunami Hazard Areas*, Urban Regional Research for the National Science Foundation, Washington, D.C., 1988
- National Working Group in Japan, (Kiyoshi Horikawa probably wrote the report), *Tsunami Protective Measures in Japan*, Source?, probably early 1960's, 26 pp
- Natural Hazards Observer*, a periodical; print and online versions
- Nekrasov, A.V., V.A. Makrov, R.V. Poyaskovsky, and V.G. Bukhteev, "Investigation of Propagation and Transformation of Tsunami Waves by the Methods of Numerical Calculation and Electromodeling," *Gen. Assembly IUGG, Symposium on Tsunamis, Moscow, 1971*, ed. S.L. Soloviev, U.S.S.R.
- Nekrasov, A.V., "Practical Calculation of Long Wave Reflection from the Bottom Slope," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1975, pp 159-163
- Nekrasov, A., E. Pelinovsky, and N. Petruchin, "Conference on Marine Hazards, Nizhny Novgorod (U.S.S.R.), September 1990: Meeting Report," *Natural Hazards*, Vol. 4, No. 4, 1991, pp 435-437
- Nelson, John B., *Catalog of Tsunami Photographs*, NOAA, Environmental Data and Information Service, Boulder, CO, Key to Geophysical Records Documentation No. 13, Oct. 1980, 52 pp
- Neumann, Frank, "The Earthquake Problem in Haiti," *Earthquake Notes*, Eastern Section of the Seis. Soc. Amer., Vol. 24, Nos. 3-4, 1953, pp 24-26
- New Zealand, *National Institute of Water and Atmospheric Research (NIWA)*, "Physical Hazards Affecting Coastal Margins and the Continental Shelf," 3 pp, downloaded 3 Sept. 2005  
<http://www.niwascience.co.nz/rc/prog/chaz/news/tsunami>
- Newcomb, K.R., and W.R. McCann, "Seismic History and Seismology of the Sunda Arc," *Jour. of Geophysical Research*, Vol. 92, No. B1, 10 Jan. 1987, pp 421-439
- Newsweek, "After the Tsunami," *Newsweek*, Vol. CXLV, No. 2, 10 Jan. 2005, several articles, maps, photos
- Ng, M.K., *Assessment of Tsunami Hazards on the British Columbia Coast Due to a Local Megathrust Subduction Earthquake*, M.Sc. thesis, Univ. British Columbia, Vancouver, B.C., Canada, 1990, 125 pp
- Ng, Max K.F., Paul H. LeBlond, and Tad S. Murty, "Simulation of Tsunamis from Great Earthquakes on the Cascadia Subduction Zone," *Science*, Vol. 250, No. 3985, 30 Nov. 1990, pp 1,248-1,251
- Ng, Max, Paul H. LeBlond, and Tad S. Murty, "Numerical Simulation of Tsunami Amplitudes on the Coast of British Columbia Due to Local Earthquakes," *Science of Tsunami Hazards*, Vol. 8, No. 2, 1990, pp 97-127
- Ng, Max, Paul H. LeBlond, and Tad S. Murty, "Tsunami Threat in the Pacific Coast of Canada due to Local Earthquakes," *Natural Hazards*, Vol. 5, No. 2, March
- <http://www.colorado.edu/IBS/hazards/o/o.html>
- Nayak, Atul, and Debi Kilb, "3D Visualization of Recent Sumatra Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 14, 5 April 2005, p. 142
- Nealon, Jeffrey W., and William P. Dillon, *Earthquakes and Tsunamis in Puerto Rico and the U.S. Virgin Islands*, U.S. Geological Survey Fact Sheet FS-141-00, April 2001, 2 pp
- Nekrasov, A.V., "Transformation of Tsunamis on the Continental Shelf," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 337-350
- 1992, pp 205-210
- Nichols, B.D., and C.W. Hirt, *Calculating Three-dimensional Free Surface Flows in the Vicinity of Submerged and Exposed Structures*, Los Alamos National Laboratory, Los Alamos, NM, Rept. No. LA-DC-72-558, Oct. 1972
- NIDP, *Study of Tsunami Hazards Mitigation Along the Korean Eastern Coast (I)*, Report of NIDP (National Institute for Disaster Prevention), Korea, 1999, 192 pp
- Nielson, Arne H., *Diffraction of Periodic Waves Along a Vertical Breakwater for Small Angles of Incidence*, Tech. Rept. No. HEL 1-2, Hydraulic Engineering Laboratory, University of California, Berkeley, CA, Dec. 1962, 82 pp
- Nikitin, Peter N., "Tsunami Runup Distribution in Russia," *Tsunami Newsletter*, Vol. 26, No. 1, 1994, p. 5
- Nishenko, S., and W. McCann, "Large Thrust Earthquakes and Tsunamis: Implications for the Development of Fore Arc Basins," *Jour. Geophysical Research*, Vol. 84, No. B2, 10 Feb. 1979, pp 573-584
- Nishenko, S.P., "Seismic Potential for Large and Great Interplate Earthquakes Along the Chilean and Southern Peruvian Margins of South America: A Quantitative Reappraisal," *J. Geophys. Res.*, Vol. 90, 1985, pp 3,589-3,615
- Nishide, Noritake, "Japan's EPOS Earthquake and Tsunami Warning System," (EPOS: Earthquake Phenomena Observation System), *Tsunami Newsletter*, Vol. 35, No. 4, Aug. 2003, pp 2-5
- Nishide, Noritake, et al., "Hokkaido, Japan, 25 September 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, pp 4-10
- Nishimura, H., K. Horikawa, and N. Shuto, "On the Function of Tsunami Breakwaters (Report No. 2)," *Coastal Engineering in Japan*, Tokyo, Japan, Vol. 14, 1971, pp 63-72
- Nishimura, Y., and K. Satake, "Numerical Computations of Tsunamis from the Past and Future Eruptions of Komagatake Volcano, Japan," *Proc. of IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1995*, pp 573-583
- Nishimura, Yuichi, and Naomichi Miyaji, "Tsunami Deposits from the 1993 Southwest Hokkaido Earthquake and the 1640 Hokkaido Komagatake Eruption, Northern Japan," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 719-733
- Nishimura, Yuichi, Fumihiko Imamura, and Kenji Satake, "IUGG Field Trip: Tsunami Deposits, Damage,

- and Reconstruction on Okushiri Island, Japan," (11-13 July 2003), *Tsunami Newsletter*, Vol. 35, No. 4, Aug. 2003, pp 6-8
- Nishimura, Y., M. Nakagawa, J. Kuduon, and J. Wukawa, "Timing and Scale of Tsunamis Caused by the 1994 Rabaul Eruption, East New Britain, Papua New Guinea," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Noda, Edward K., *Theory of Water Waves Generated by a Time-Dependent Boundary Displacement*, Ph.D. thesis, Civil Engrg. Dept., Univ. Calif., Berkeley, CA, Oct. 1968, 225 pp; also Hydraulic Engineering Laboratory, Tech. Rept. No. HEL 16-5, 1969, 225 pp
- Noji, M., F. Imamura, and N. Shuto, "Numerical Simulation of Movement of Large Rocks Transported by Tsunamis," In *Tsunami: Progress in Prediction, Disaster Prevention, and Warning*, eds. Y. Tsuchiya and N. Shuto, (Proceedings of Tsunamis '93, IUGG/IOC Inter. Tsunami Symposium, Wakayama, Japan, Aug. 23-27, 1993), Kluwer Acad. Pub., The Netherlands, 1995, pp 189-198
- Nomanbhoy, N., and K. Satake, "Generation Mechanism of Tsunamis from the 1883 Krakatau Eruption," *Geophys. Res. Lett.*, Vol. 22, 1995, pp 509-512
- Normark, William R., Mary McGann, and Ray Sliter, "Age of Palos Verdes Submarine Debris Avalanche, Southern California," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 247-259
- Nott, J., "Extremely High-energy Wave Deposits Inside the Great Barrier Reef, Australia: Determining the Cause - Tsunami or Tropical Cyclone," *Marine Geology*, Vol. 141, 1997, pp 193-207
- Nott, J., and E. Bryant, "Paleotsunamis Along the Australian Coast," *Proc. of the Tsunami Symposium, The Tsunami Society, May 25-27, 1999*, 1 p. abstract <http://wwwl.tpgi.com.au/users/tps-seti/tsym.html>
- Nott, Jonathan, "Records of Prehistoric Tsunamis from Boulder Deposits: Evidence from Australia," *Science of Tsunami Hazards*, Vol. 18, No. 1, 2000, pp 3-14
- Nott, Jonathan, and Edward Bryant, "Extreme Marine Inundation (Tsunamis?) of Coastal Western Australia," *Jour. of Geology*, Vol. 111, 2003, pp 691-706
- Nottingham, D., "The 1994 Skagway Tsunami Tide Gage Record," *Science of Tsunami Hazards*, Vol. 15, No. 2, 1997, pp 81-88
- Nottingham, Dennis, "Review of the 1994 Skagway, Alaska Tsunami and Future Plans," *Science of Tsunami Hazards*, Vol. 20, No. 1, 2002, pp 42-49
- NOVA, *Wave That Shook the World*, a 1-hour TV program on 30 March 2005, and at subsequent dates, about the Indian Ocean (Sumatra) Tsunami of 26 December 2004; produced by Public TV Station WGBH (Boston); available on a DVD
- Novik, O., Y. Ruzhin, and S. Ershov, "Electromagnetic Tsunami Monitoring: Theory and Recommendations," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Novikova, L.E., and L.A. Ostrovsky, "Excitation of Tsunami Waves by a Travelling Displacement of the Ocean Bottom," *Marine Geodesy*, Vol. 2, 1979, pp 365-380
- Noda, Edward K., "Water Waves Generated by Landslides," *Jour. Waterways, Harbors, and Coastal Engineering Div., Proc. ASCE*, Vol. 96, No. WW4, 1970, pp 835-855
- Noda, Edward K., "Fourier Analysis of Transient Wave Systems," *Jour. Waterways, Harbors and Coastal Engrg. Div., Proc. ASCE*, Vol. 97, No. WW4, Nov. 1971, pp 663-670
- Noiseux, F., "The Form of Tsunamis Generated in Coastal Regions," *Dynamics of Atmospheres and Oceans*, Vol. 9, 1985, pp 39-48
- Noye, B.J., "The Frequency Response of a Tide-well," In *Proc. Third Australian Conf. on Hydraulics and Fluid Mechanics, Sydney, Australia, 1970*, The Institution of Engineers, Australia, 1970, pp 65-71
- Noye, B.J., "On a Class of Differential Equations which Model Tide-well Systems," *Bull. Aust. Math. Soc.*, Vol. 3, 1970, pp 391-411
- Noye, B.J., "Tide-well Systems I: Some Non-linear Effects of the Conventional Tide Well," *Jour. Marine Research*, Vol. 32, No. 2, 1974, pp 129-153
- Noye, B.J., "Tide-well Systems II: The Frequency Response of a Linear Tide-well System," *Jour. Marine Research*, Vol. 32, No. 2, 1974, pp 155-181
- Noye, B.J. "Recording of Tsunamis by Tide Wells," *Tsunami Research Symposium 1974*, Wellington, N.Z., 29 Jan.-1 Feb., 1974, eds. R.A. Heath and M.M. Cresswell, Royal Society of New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 87-94
- O'Brien, J.T., and D.I. Kuchenreuther, *Waves in and Around Port Hueneme, California Associated with the Tsunami of March 9, 1957*, U.S. Naval Civil Engineering Research and Evaluation Laboratory, Port Hueneme, CA, 1957, 26 pp
- O'Brien, Morrough P., *Preliminary Report on Seismic Sea Waves from Aleutian Earthquake of April 1, 1946*, Fluid Mechanics Laboratory, Wave Project, Tech. Rept. HE-116-207, University of California, Berkeley, CA, April 25, 1946, 7 pp. With 3-page appendix by Professor Perry Byerly
- O'Brien, M.P., "The Lag and Reduction of Range in Tide Gauge Wells," *Bulletin, Beach Erosion Board*, Wash., D.C., No. 4, 1950, pp 24-40
- O'Brien, M.P., "Discussion of 'Similitude in Coastal Engineering by B. Le Mehaute,'" *Jour. Waterway, Port, Coastal, and Ocean Div., Proc. ASCE*, Vol. 103, No. WW3, Aug. 1977, pp 393-400
- O'Callaghan, M.L., and P. Hamilton, "After the Wave; the Tsunami that Struck the Northwest Coast of Papua New Guinea Destroyed Several Thriving Communities," *The Australian Magazine*, Sept. 19-20, 1998, pp 20-24
- Oceanographic Services, Inc., *Water Level Changes Produced on the Pacific Coasts of the United States and Canada by the Alaskan Tsunami of 1964*, 1965
- Ogawa, Kihei, and K. Yoshida, "A Practical Method for the Determination of Reflection of Long Gravitational Waves," *Records of Oceanographical Works in Japan*, Japanese Science Council, Tokyo, Vol. 5, No. 1, 1959, pp 38-50
- Ogawa, Kihei, "Edge waves Induced by a Radially

- Spreading Long Wave and Its Damping Due to the Irregularity of Coast," *Marine Lab., Hydrographic Office of Japan*, Vol. 1, No. 2, 1960, pp 103-132
- Ogawa, T., "Papers and Reports on the Tsunami of 1933, Sanriku Coast, Japan," *Bull. Earthquake Res. Inst.*, Tokyo Imperial Univ., Japan, Supplement 1, 1933
- Oh, Im Sang, and Alexander B. Rabinovich, "Manifestation of Hokkaido Southwest (Okushiri) Tsunami, 12 July, 1993, at the Coast of Korea: 1. Statistical Characteristics, Spectral Analysis, and Energy Decay," *Science of Tsunami Hazards*, Vol. 12, No. 2, 1994, pp 93-116
- Okada, M., and M. Katsumata, "Tsunami Observations Using Ocean Bottom Pressure Gauge," In *2nd Inter. Tsunami Workshop, 1989, IOC Workshop Report, UNESCO*, No. 58-Supplement, Paris, 1989, pp 247-254
- Okada, Masami, "Correction of Tsunami Waveform Deformed by Non-Linear Tide Gage Response," In *International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers*, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, USSR, 1989, pp 53-54
- Okada, M., "Ocean Bottom Pressure Gauge for Tsunami Warning System in Japan," In *Proc. 2nd UUNR Tsunami Workshop*, eds. A.M. Brennan, and J.F. Lander, NOAA, National Geophysical Data Center, Boulder, CO, 1991, pp 219-227
- Okada, Y., "Internal Deformation due to Shear and Tensile Faults in a Half-space," *Bull. Seis. Soc. Amer.*, Vol. 82, 1992, pp 1,018-1,040
- Okada, M., "Tsunami Observation by Ocean Bottom Pressure Gauge," In *Tsunami: Progress in Prediction, Disaster Prevention, and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Pub., The Netherlands, 1995, pp 287-303
- Okal, E.A., "Mode-wave Equivalence and Other Asymptotic Problems in Tsunami Theory," *Phys. Earth and Planet. Inter.*, Vol. 30, 1982, pp 1-11
- Okal, E.A., and J. Talandier, "T-Wave Duration, Magnitudes and Seismic Moment of an Earthquake: Application to Tsunami Warning," *Jour. of the Physics of the Earth*, Vol. 34, 1986, pp 19-42
- Okal, E.A., "Seismic Parameters Controlling Far-Field Tsunami Amplitudes: A Review," *Natural Hazards*, Vol. 1, No. 1, 1988, pp 67-96; "Erratum," *Natural Hazards*, Vol. 4, 1991, p. 433
- Okal, E.A., and K. Talandier, "Mm: A Variable Period Magnitude," *Geophys. Res. Lett.*, Vol. 94, 1989, pp 4,169-4,193
- Okal, E.A., A. Piatanesi, and P. Heinrich, "Tsunami Detection by Satellite Altimetry," *Jour. Geophys. Res.*, Vol. 104, 1999, pp 599-615
- Okal, E.A., "The Probable Source of the 1998 Papua New Guinea Tsunami as Expressed in Oceanic T Waves," *EOS, Trans., Amer. Geophys. Union*, Vol. 80, 1999, p. F750
- Okal, E.A., and C.E. Synolakis, "Comment on 'Origin of the 17 July 1998 Papua New Guinea Tsunami: Earthquake or Landslide?', by E.L. Geist," *Seismol. Res. Lett.*, Vol 72, 2001, pp 362-366
- Okal, Emile A., Gerard J. Fryer, Costas E Synolakis, Okada, Masami, and Masaomi Tada, "Historical Study of Tsunamis at Miyako, Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 121-130
- Okada, M., "Surface Deformation Due to Shear and Tensile Faults in a Half-space," *Bull. Seism. Soc. Amer.*, Vol. 75, 1985, pp 1,135-1,154
- Okada, M., "Response of Some Tide-wells in Japan to Tsunamis," In *Proc. Internat. Tsunami Symposium, Institute of Ocean Sciences, Sidney, B.C., Canada, 1985*, eds. T.S. Murty and W.J. Rapatz, 1985, pp 208-213
- et al., "1946 Aleutian Tsunami Field Survey in the Marquesas," *ITS Proceedings, Seattle, Washington, 7-10 August 2001, Session 2, No. 2-6, p. 407* (abstract)  
<http://www.pmel.noaa.gov/its2001/>
- Okal, E.A., C.E. Synolakis, G.J. Fryer, P. Heinrich, J.C. Borrero, C. Ruscher, D. Arcas, G. Guille, and D. Rousseau, "A Field Survey of the 1946 Aleutian Tsunami in the Far Field," *Seismological Research Letters*, Vol. 73, No. 4, July/Aug. 2002, pp 490-503
- Okal, E.A., C.E. Synolakis, G.J. Fryer, et al., "Near Field Survey of the 1946 Aleutian Tsunami on Unimak and Senak Islands," *Bull. Seismol. Soc. Amer.*, Vol 93, 2002, pp 1,226-1,234
- Okal, E.A., L. Dengler, S. Araya, J.C. Borrero, B.M. Gomer, S.I. Koshimura, G. Laos, D. Olcese, F.M. Ortiz, and M. Swensson, "A Field Survey of the Camana, Peru, Tsunami of June 23, 2001," *Seismological Research Letters*, Vol. 73, No. 6, 2002, pp 907-920
- Okal, E.A., P.-J. Alasset, O. Hyvernaud, and F. Schindele, "The Deficient T Waves of Tsunami Earthquakes," *Geophys. Jour. Int.*, Vol. 152, 2003, pp 416-432
- Okal, E.A., "T Waves from the 1998 Papua New Guinea Earthquake and Its Aftershocks: Timing the Tsunamiogenic Slump," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,843-1,864
- Okal, E.A., and C.E. Synolakis, "A Theoretical Comparison of Tsunamis from Dislocation and Landslides," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,177-2,188
- Okal, E.A., "Normal Mode Energetics for Far-field Tsunamis Generated by Dislocations and Landslides," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,189-2,221
- Okal, Emile, and Costas E. Synolakis, "The Search for Tsunami Source Discriminants in the Near and Far Fields," In *IUGG 2003, June 30- July 11, 2003, Sapporo, Japan: Abstracts, Week B, Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO)*, IUGG XXIII General Assembly, p. B.144
- Okal, E.A., and C.E. Synolakis, "Source Discriminants for Near-field Tsunamis," *Geophysical Journal International*, Vol. 158, No. 3, 2004, pp 899-912
- Okazaki, S., and K. Shibata, "A Road Management Approach for Tsunami Disaster Planning," In *Tsunamis: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, 1995, pp 223-234

- O'Loughlin, K. F., and J. F. Lander, *Caribbean Tsunamis: A 500-Year History from 1498-1998*, Kluwer Academic Publishers, The Netherlands, 2003, 263 pp
- Olsen, K., and L.-S. Hwang, "Oscillations in a Bay of Arbitrary Shape and Variable Depth," Rept. LA-DC-12440, Los Alamos Sci. Lab., New Mexico, 1970; also *Jour. Geophys. Res.*, Vol. 76, 1971, pp 5,048-5,064
- Olsen, Kenneth H., and Li-San Hwang, "Edge Wave Generation and Associated Bay Responses," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO Press, 1976, Abstract, p. 253
- Omote, Syunichiro, "Tsunami Generated by the East Nankai Earthquake on December 7, 1944," *Bull. Earthquake Research Inst.*, Tokyo Imperial Univ., Vol. 24, Parts 1-4, pp 33-57 and 2 plates, 1946? (in Japanese; abstract in English)
- Operation Crossroads: The Official Pictorial Record*, Wm. H. Wise & Co., Inc., 1946, 224 pages
- Oppenheimer, D., G. Beroza, G. Carver, L. Dengler, J. Eaton, L. Gee, F. Gonzalez, A. Jayko, W.H. Satake, R. Simpson, P. Somerville, R. Stein, and D. Valentine, "The Cape Mendocino Earthquake Sequence of April 1992," *Science*, Vol. 261, 1993, pp 433-438
- Oppenheimer, David, "Consolidated Reporting of Earthquakes and Tsunamis," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, p. 69
- Oregon Emergency Management and Oregon Department of Geology and Mineral Industries, *Draft Tsunami Warning Systems and Procedures: Guidance for Local Officials*, Salem, OR, undated
- Oregon Emergency Management and Oregon Department of Geology and Mineral Industries, *Tsunami Warning Systems and Procedures: Guidance for Local Officials*, prepared for National Tsunami Hazard Mitigation Program, Special Paper 35, 2001, 41 pp. Available from Nature of the Northwest Information Center, Portland, OR  
<http://www.naturenw.org>
- Oregon State University, O.H. Hinsdale Wave Research Laboratory, *Tsunami Wave Basin*. Website  
[http://wave.oregonstate.edu/Facilities/Equipment/Tsunami\\_Wave\\_Basin/](http://wave.oregonstate.edu/Facilities/Equipment/Tsunami_Wave_Basin/)
- Orlanski, I., "A Simple Boundary Condition for Unbounded Hyperbolic Flows," *Jour. Computational Physics*, Vol. 21, 1976, pp 251-269
- Orr, Robert, and Haig Simonian, "Reinsurers Expect to Escape Heavy Payouts," *Financial Times*, 31 Dec. 2004/1 Jan. 2005, p. 2
- Ortiz, M., V. Kostoglodov, A.K. Singh, and J. Pacheco, "New Constraints on the Uplift of October 9, 1995 Jalisco-Colima Earthquake (Mw 8) Based on the Analysis of Tsunami Records at Manzanillo and Navidad," *Geofis. Int.*, Vol. 39, 2000, pp 349-357
- Ortiz, Modesto, Juan I. Gonzalez, Norma A. Ramirez-Mondragon, and Salvador F. Farreras, "Quick Field Survey of the 22 January 2003 (M 7.8) Colima - Mexico Earthquake-Tsunami," *Tsunami Newsletter*, Vol. 35, No. 1, Feb. 2003, pp 2-5
- Osborn, Palmer, *Tsunami Travel Times to La Jolla*, Scripps Inst. Ocean., Univ. Calif., La Jolla, CA, Wap Rept. No. 83, 1948, 4 pp
- Olsen, K.H., "Mid-ocean 'Microtsunami' Stations on Three Pacific Atolls," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 283-293
- Omer, G.C., and H.H. Hall, "The Scattering of a Tsunami by a Cylindrical Island," *Bull. Seis. Soc. Amer.*, Vol. 39, No. 4, Oct. 1949, pp 257-260
- Omori, Fusakichi, "On Tsunamis," *Toyo Gakugei Zasshi*, Tokyo, Vol. 18, 1907, pp 13-25
- Ostrovsky, L.A., and E.N. Pelinovsky, "Nonlinear Evolution of Tsunami Waves," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan. - 1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 203-211
- Otto, P., and T.S. Murty, *Tsunami Travel Time Charts for the Indian Ocean*, Report, National Tidal Facility, Flinders Univ. of South Australia, Adelaide, 1996, 184 pp
- Otto, Peter, and T.S. Murty, "Australia Produces Travel Time Charts for the Indian Ocean," *Tsunami Newsletter*, Vol. 28, No. 2, July 1996, pp 12-14
- Ozsoy, E., and U. Unluata, "Coastal Amplification of Tsunami Waves in the Eastern Mediterranean," *Jour. Phys. Oceanogr.*, Vol. 12, No. 2, 1982, pp 117-126
- Paine, Michael P., "Asteroid Impacts: The Extra Hazard Due to Tsunami," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 155-166
- Palmer, R.Q., M.E. Mulvihill, and G.T. Funasaki, "Hilo Harbor Tsunami Model - Reflected Waves Superimposed," *Proc. Coastal Engineering: Santa Barbara Specialty Conf.*, Oct. 1965, ASCE, Ch. 2, 1965, pp 21-31
- Palmer, Robert Q., and Gerald T. Funasaki, *The Hilo Harbor Tsunami Model*, Hilo Harbor Branch, U.S. Army Corps of Engineers, Honolulu District, HI, Tech. Rept. No. 1, Sept. 1966, 9 pp and 13 figs. Also, In *Proc. of Tenth Conf. on Coastal Engineering*, Tokyo, Japan, Sept. 1966, ed. J.W. Johnson, ASCE, Vol. II, 1967, pp 1,227-1,248
- Palmer, Robert Q., Michael E. Mulvihill, and Gerald T. Funasaki, *Study of Proposed Barrier Plans for the Protection of the City of Hilo and Hilo Harbor, Hawaii. Hydraulic Model Investigation*, U.S. Army Corps of Engineers, Honolulu District, Honolulu, HI, Tech. Rept. No. 1, Nov. 1967, 76 pp, numerous figs., 3 appendices
- Pancake, Cherri M., and Harry Yeh, "New Initiative: The International Tsunami Digital Library, Facilitating Online Access to Tsunami Information," *Tsunami Newsletter*, Vol. 36, No. 2, April-July 2004, p. 11
- Pancake, Cherri, and Harry Yeh, "Tsunami Reconnaissance Data Preservation Workshop, San Diego, California, USA, 21-22 September 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004-Sept. 2005, p. 40  
<http://www.tsunami.nees.org/workshop.php>
- Panel on Seismic Hazard Evaluation, *Review of "Recommendations for Probabilistic Seismic Hazard Analysis; Guidance on Uncertainty and Use of Experts"*, National Academy Press, Washington, D.C.,



1997, 73 pp

Panizzo, A., *Physical and Numerical Modelling of Subaerial Landslide Generated Waves*, Ph.D. thesis, L'Aquila University, L'Aquila, Italy, 2004

Panizzo, A., and R.A. Dalrymple, "SPH Modelling of Underwater Landslide Generated Waves," In *Coastal Engineering 2004: Proc. of the 29th International Conference*, (ICCE 2004), ed. Jane McKee Smith, World Scientific, New Jersey, Vol. 2, 2005, pp 1,147-1,159

Papadopoulos, G.A., "Seismic Faulting and Nonseismic Tsunami Generation in Greece," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Pub., The Netherlands, (Proc. IUGG/IOC Inter. Tsunami Symposium, Wakayama, Japan, August 23-27, 1993), 1995, pp 115-122

Papadopoulos, G.A., "On Some Exceptional Seismic(?) Sea-waves in the Greek Archipelago," *Science of Tsunami Hazards*, Vol. 11, No. 1, 1993, pp 25-34

Papadopoulos, G.A., "New Observations About the Near-field Effects of the 9 July 1956 South Aegean Large Tsunami," *Europ. Seismol. Commission 25th General Assembly, Reykjavik, Sept. 9-14, 1996*, 1996, p. 150 (abstract)

Papadopoulos, G.A., "A Reconstruction of the 373 B.C. Large Earthquake in the Western Corinthos Gulf," In *Proc. 2nd Internat. Conf. on the Ancient Eliki, Aeghion, 1-3 Dec. 1995, Athens, 1998*, pp 479-494

Papadopoulos, G.A., *A Tsunami Catalogue of the Area of Greece and Adjacent Seas*, EC Project GITEC-TWO, Inst. Geodynamics, Nat. Observatory Athens, Publ. No. 8, Oct. 1998, 18 pp

Papadopoulos, G.A., and The. Dermentzopoulos, "A Tsunami Risk Management Pilot Study in Heraklion, Crete Island, Greece," *Natural Hazards*, Vol. 18, 1998, pp 91-118

Papadopoulos G.A., and A. Vassilopoulou, "Historical and Archaeological Evidence of Earthquakes and Tsunamis Felt in the Kythira Strait, Greece," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 119-138

Papadopoulos, Gerassimos A., "22nd IUGG International Tsunami Symposium, Chania, Crete, 27-29 June 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004-Sept. 2005, p. 31  
<http://www.gein.noa.gr/English/tsunamis.htm>

Papazachos, B.C., C.H. Koutitas, B.G. Karacostas, and Ch.A. Papaioannou, "Source and Short-Distance Propagation of the July 9, 1956 Southern Aegean Tsunami," *Marine Geology*, Vol. 65, 1985, pp 343-351

Papazachos, B.C., C. Koutitas, P.M. Hatzidimitriou, B.G. Karacostas, and C.A. Papaionnou, "Tsunami Hazard in Greece and Surrounding Area," *Ann. Geophys.*, Vol. 4, No. B1, 1986, pp 79-90

Papazachos, B.C., and P.P. Dimitriou, "Tsunamis In and Near Greece and Their Relation to the Earthquake Focal Mechanisms," *Natural Hazards*, Vol. 4, Nos. 2 and 3, 1991, pp 161-170

Pararas-Carayannis, George, *Source Mechanism Study of the Alaska Earthquake and Tsunami of 27 March 1964. Part I. Water Waves*, Rept. HIG-65-17, Hawaii

Papadopoulos, G.A., and B.J. Chalkis, "Tsunamis Observed in Greece and the Surrounding Area from Antiquity up to the Present Times," *Marine Geology*, Vol. 56, 1984, pp 309-317

Papadopoulos, G.A., E. Polymenakos, M. Tsimplis, and Vlachakis, "An Exceptional Sea-Wave Observed in the Aegean: A Geological or Meteorological Event?," *Europ. Geophys. Soc. XVII General Assembly, Edinburgh, 6-10 April 1992, Ann. Geophysicae, Suppl. I to Vol. 10, Pt. 1, 1992*, p. 109 (abstract)

Inst. Geophysics, Univ. Hawaii, Honolulu, Dec. 1965, pp 1-29

Pararas-Carayannis, George, "A Study of the Source Mechanism of the Alaska Earthquake and Tsunami of March 27, 1964. Part I. Water Waves," *Pacific Science*, Vol. 21, No. 3, 1967, pp 301-310

Pararas-Carayannis, George, *Catalog of Tsunamis in the Hawaiian Islands*, World Data Center A, Report WDCA-T 69-2, ESSA - Coast and Geodetic Survey, Boulder, CO, May 1969, 94 pp

Pararas-Carayannis, George, "The Waves that Destroyed the Minoan Empire," *Sea Frontiers*, Vol. 12, No. 2, 1973, pp 94-106; also (revised), in *Grolier Encyclopedia, Science Supplement, Man and His World*, 1974, pp 314-321

Pararas-Carayannis, George, "The Tsunami of October 3, 1974 in Peru," *Tsunami Newsletter*, Vol. 8, No. 1, Jan. 1975, pp 18-21

Pararas-Carayannis, George, and Jeffrey P. Calebaugh, *Catalog of Tsunamis in Hawaii. Revised 1977*, World Data Center A for Solid Earth Geophysics, Rept. SE-4, U.S. Dept. Commerce, NOAA, Environmental Data Service, March 1977, 78 pp

Pararas-Carayannis, George, "Earthquake and Tsunami of 12 December 1979 in Columbia," *Tsunami Newsletter*, Vol. 13, No. 1, 1980, pp 1-9

Pararas-Carayannis, George, and Bonnie Dong, "Catalog of Tsunamis in the Samoan Islands," Appendix A in *Tsunami Elevation Predictions for American Samoa*, by James R. Houston, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, 1980

Pararas-Carayannis, George, "The Tsunami Impact on Society," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 3-8

Pararas-Carayannis, George, "The Mexican Earthquakes and Tsunami of 19 and 21 September 1985," *Tsunami Newsletter*, Vol. 18, No. 2, Dec. 1985, pp 1-4

Pararas-Carayannis, G., "The Pacific Tsunami Warning System," *Earthquakes and Volcanoes*, Vol. 18, 1986, pp 122-130

Pararas-Carayannis, George, "The Earthquake and Tsunami of 7-8 May 1986," *Tsunami Newsletter*, Vol. 19, No. 2, Aug. 1986, pp 1-6

Pararas-Carayannis, George, "An Analysis of the Dispersive Characteristics of the 7 May 1986 Tsunami," *Tsunami Newsletter*, Vol. 20, No. 1, April 1987, pp 1-5

Pararas-Carayannis, George, "Source Mechanism of the Tsunamis of 19 and 21 September 1985 in Mexico," *Natural Hazards*, Vol. 1, No. 3, 1988, pp 285-294; also In *Natural and Man-Made Coastal Hazards*,

- International Conference, 1988: Proceedings, eds. S.F. Farreras and G. Pararas Carayannis, 1989, pp 140-145
- Pararas-Carayannis, George, "Second International IOC Workshop on the Technical Aspects of Tsunami Warning Systems, Tsunami Analysis, Preparedness, Observation, and Instrumentation, Novosibirsk, USSR, 4-5 August 1989," *Natural Hazards*, Vol. 4, Nos. 2 & 3, 1991, pp 319-326
- Pararas-Carayannis, George, "The Tsunami Generated from the Eruption of the Volcano of Santorin in the Bronze Age," *Science of Tsunami Hazards*, Vol. 6, No. Pararas-Carayannis, George, "Near and Far-field Effects of Tsunamis Generated by the Paroxysmal Eruptions, Explosions, Caldera Collapses and Massive Slope Failures of the Krakatau Volcano in Indonesia on August 26-27, 1883," *Science of Tsunami Hazards*, Vol. 21, No. 4, 2003, pp 191-221
- Pararas-Carayannis, George, "Volcanic Tsunami Generating Source Mechanisms in the Eastern Caribbean Region," *Science of Tsunami Hazards*, Vol. 22, No. 2, 2004, pp 74-114
- Park, J., K. Anderson, R. Aster, R. Butler, T. Lay, and D. Simpson, "Global Seismographic Network Records the Great Sumatra-Andaman Earthquake," *EOS, Trans., Amer. Geophysical Union*, Vol. 86, No. 6, 8 Feb. 2005, pp 57, 60, and 61
- Park, Jeffrey, Teh-Ru Song, et al., "Earth's Free Oscillations Excited by the 26 December 2004 Sumatra-Andaman Earthquake," *Science*, Vol. 308, No. 5725, 20 May 2005, pp 1,139-1,144
- Park, Koo-Yong, Yong-Sik Cho, and Byung-Ho Choi, "Run-up Heights of Nearshore Tsunami Based on Quadtree Grids," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001*, Sept. 2-6, 2001, San Francisco, CA, eds. B.L. Edge and J.M.Hemsley, ASCE, 2002, Vol. 2, pp 1,487-1,494
- Parker, G., "Conditions for Ignition of Catastrophically Erosive Turbidity Currents," *Marine Geology*, Vol. 46, 1982, pp 307-327
- Parker, Ginny, "Japanese Island Serves as Model of How to Rebuild After Tsunami," *The Wall Street Journal*, 4 Jan. 2005, p. A8
- Parker, W.E., "Unusual Tidal Registration of Earthquake," (Galveston Harbor, Texas, 2-3 May 1922), *Bull. Seis. Soc. Amer.*, Vol 12, No. 1, 1922, pp 28-30
- Pashos, Constantine L., *Tsunamis...Effect on Southern California*, Public Information Statement, National Weather Service, Los Angeles, CA, 9 Oct. 1991, a 2-page release
- Paskoff, R., "Likely Occurrence of Mega-tsunami Near Coquimbo, Chile," *Revue Geologie, Chile*, Vol. 18, 1991, pp 87-91
- Pattullo, June G., Wayne V. Burt, and Gerald B. Burdwell, "Tsunami on the Oregon Coast from an Earthquake Near Japan," (16 May 1968), Oregon State University, Corvallis, OR, *The Ore Bin*, Vol. 30, No. 9, Sept. 1968, pp 182-184,
- Paulson, Tom, "Major Quake Could Launch Deadly Tsunami. Workshop to Examine Local Risk, How Best to Prepare for Emergency," *Seattle Post Intelligencer*, WA, 22 Jan. 2001, pp A1 and A6
- 1, 1988, pp 23-30; also in *Natural Hazards*, Vol. 5, No. 2, March 1992, pp 115-123
- Pararas-Carayannis, George, "Analysis of Mechanism of Tsunami Generation in Lituya Bay," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 193-206
- Pararas-Carayannis, George, "Evaluation of the Threat of Mega Tsunami Generation from Postulated Massive Slope Failures of Island Stratovolcanoes on La Palma, Canary Islands, and on the Island of Hawaii," *Science of Tsunami Hazards*, Vol. 20, 2002, pp 251-277
- Pedersen, G., and B. Gjevik, "Run-up of Solitary Waves," *Jour. Fluid Mech.*, Vol. 135, 1983, pp 283-299
- Pelayo, A.M., *Earthquake Source Parameter Inversion Using Body and Surface Waves: Application to Tsunami Earthquakes and Scotia Sea Seismotectonics*, Ph.D. thesis, Washington University, 1990
- Pelayo, A.M., and D.A. Wiens, "The April 1, 1946 Aleutian Tsunami Earthquake: the Largest Known Slow Seismic Event," *EOS, Trans. Amer. Geophys. Union*, Vol. 72, 1991, pp 292-293
- Pelayo, A.M., and D.A. Wiens, "Tsunami Earthquakes: Slow Thrust-Faulting Events in the Accretionary Wedge," *Jour. Geophys. Res.*, Vol. 97, No. B11, Oct. 10, 1992, pp 15,321-15,337
- Pelinovsky, E.N., *Nonlinear Dynamics of Tsunami*, Inst. Appl. Phys., Gorky, USSR, 1982, 226 pp.
- Pelinovsky, E.N., and Yu. A. Stepanyants, "Cylindrical Solitons Passing through a Focus," *Natural Sciences of Hazards; The International Journal of The Tsunami Society*, Vol. 1, No. 1, Oct. 1982, pp F-1 to F-4. Note, this journal was subsequently renamed *Science of Tsunami Hazards*
- Pelinovsky, E.N., "Tsunami Climbing a Beach and Tsunami Zonation," *Science of Tsunami Hazards*, Vol. 7, No. 2, 1989, pp 117-122
- Pelinovsky, E.N., V.I. Golinko, and R.K. Mazova, *Tsunami Wave Runup on a Beach: Exact Analytical Results*, Inst. Appl. Physics, Academy of Sciences, Gorky, USSR, Preprint No. 232, 1989, (in English),
- Pelinovsky, E.N., and R.K. Mazova, "Exact Analytical Solutions of Nonlinear Problems of Tsunami Wave Run-up on Slopes with Different Profiles," *Natural Hazards*, Vol. 6, 1992, pp 227-249
- Pelinovsky, E., and A. Poplavsky, "Simplified Model of Tsunami Generation by Submarine Landslides," *Physics and Chemistry of the Earth*, Vol. 21, No. 12, 1996, pp 13-17
- Pelinovsky, E., "Models of Tsunami Waves," *Proc. Inter. Conf. on Computational Techniques and Applications (CTAC95)*, World Science, Singapore, 1996
- Pelinovsky, Efim, Narcisse Zahibo, Peter Dunkley, et al., "Tsunami Generated by the Volcano Eruption on July 12-13, 2003 at Montserrat, Lesser Antilles," *Science of Tsunami Hazards*, Vol. 22, No. 1, 2004, pp 44-57
- Pelinovsky, E., B.H. Choi, A. Stromkov, I. Dedenkulova, and H.-S. Kim, "Analysis of Tide-gauge Records of the 1883 Krakatau Tsunami," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005

- Penney, W.G., "Gravity Waves Produced by Surface and Underwater Explosions," *Underwater Explosion Research, II*, U.S. Navy, ONR, 1950, pp 679-700
- Pennisi, Elizabeth, "Powerful Tsunamis's Impact on Coral Reefs was Hit and Miss," *Science*, Vol. 307, No. 5710, 4 Feb. 2005, p. 657
- Peregrine, D.H., "Calculations of the Development of an Undular Bore," *Jour. Fluid Mechanics*, Vol. 25, Part 2, June 1966, pp 321-330
- Perissoratis, C., and G.A. Papadopoulos, "Sediment Instability and Slumping in the Southern Aegean Sea and the Case History of the 1956 Tsunami," *Marine Geology*, Vol. 161, 1999, pp 287-305
- Perlman, David, "Underwater Landslides Threaten California Coast," *San Francisco Chronicle*, CA, 19 Dec. 2000, p. A2
- Perlman, David, "Threat of Killer Waves," *San Francisco Chronicle*, CA, 10 Sept. 2001, p. A6
- Perlman, David, "Geology; Scientists Try to Figure Why This Quake Didn't Cause Big Wave," *San Francisco Chronicle*, CA, 29 March 2005, pp A1 and A11
- Perlman, David, "If Big Quake Hits Off Coast, Tsunami Could be Gigantic," *San Francisco Chronicle*, CA, 13 June 2005, p. A8
- Perlman, David, "Hundreds Killed in 8.7 Sumatra Quake. Geology: Scientists Try to Figure Why this Quake Didn't Cause Big Wave," *San Francisco Chronicle*, CA, 29 March 2005, pp A1 and A11
- Perlman, David, "Big One's First Jolt Might be Lifesaver," *San Francisco Chronicle*, CA, 10 Nov. 2005, pp A1 and A14
- Perroud, P.H., *The Solitary Wave Reflection Along a Straight Vertical Wall at Oblique Incidence*, Ph.D. thesis, Dept. Civil Engineering, University of California, Berkeley, CA. Also. IER Tech. Rept. No. 99-3, 1957, 93 pp
- Perry, Byrne, "On the Use of Small-scale Hydraulic Models in Tsunami Research," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress*, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 231-234
- Peters, A.S., *Waves on a Sphere*, Report IMM-NYU 271, New York Univ., Inst. of Math. Sci., 1960
- Petrauskas, C., and L.E. Borgman, *Frequencies of Crest Heights for Random Combinations of Astronomical Tides and Tsunamis Recorded at Crescent City, California*, Tech. Rept. No. HEL 16-8, Hydraulic Engineering Laboratory, Univ. of California, Berkeley, CA, March 1971, 64 pp
- Petroff, Catherine, Philip Watts, James Lander, and Tom Sokolowski, "Update: Skagway, Alaska, Landslide and Tsunami of November 3, 1995," *Tsunami Newsletter*, Vol. 27, No. 2, 1995, pp 7-8
- "Photographs of Recent Tsunami Disasters," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, (Okushiri Island, Japan, 12 July 1993; Flores Island, Indonesia, 12 Dec. 1993), eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp xx-xxvii
- PIANC, "New PIANC Working Group 53: Tsunami Design
- Peregrine, D.H., "Long Waves on a Beach," *Jour. Fluid Mechanics*, Vol. 27, Part. 4, 1967, pp 815-827
- Peregrine, D.H., "Long Waves in Two and Three Dimensions," In *Proc. of the Symposium on Long Waves*, University of Delaware, 1970, pp 63-90
- Peregrine, D.H., "Equations for Water Waves and the Approximation Behind Them," In *Waves on Beaches and Resulting Sediment Transport*, ed. R.E. Meyer, Academic Press, New York, 1972, pp 95-121
- Criteria for Marine Structures," by Anon., On Course, *PIANC Magazine*, No. 120, July 2005, pp 58-59
- Piatanesi, A., S. Tinti, and I. Gavagni, "The Slip Distribution of the 1992 Nicaragua Earthquake from Tsunami Runup Data," *Geophysical Res. Lett.*, Vol. 23, 1996, pp 37-40
- Piatanesi, A., and S. Tinti, "A Revision of the 1693 Eastern Sicily Earthquake and Tsunami," *Jour. Geophys. Res.*, Vol. 103, 1998, pp 2,749-2,758
- Pickard, G.L. (Acting Secretary), "IUGG Tsunami Committee Meeting, Victoria Univ., Wellington, New Zealand, 1 Feb. 1974: Minutes," In *Tsunami Research Symposium 1974, Wellington New Zealand, 29 Jan.-1 Feb. 1974: Proc.*, eds. R.A. Heath and M.M. Cresswell, The Royal Soc. of New Zealand, Bulletin 15, and UNESCO, 1976, pp 256-258
- Pierzinski, Diane, "Tsunamis," *California Geology*, Vol. 34, No. 3, March 1981, pp 58-61
- Pierson, W.J., "Wave Behavior Near Caustics in Models and in Nature," In *Waves on Beaches*, Academic Press, New York, 1972, pp 163-180
- Piper, D.J.W., A.N. Shor, and J.E. Hughes Clarke, "The 1929 'Grand Banks' Earthquake, Slump, and Turbidity Current," *Geol. Soc. Amer., Sp. Paper 229*, 1988, pp 77-92
- Pires, C., and P.M.A. Miranda, "Adjoint Inversion of the Source Parameters of Near-shore Tsunamiogenic Earthquakes," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol 23, 2005
- Pissierssens, Peter, "Message by Dr. David Pugh, IOC Chairman to Dr. Nasser H. Zaker, Chairman IOCINDIO, 28 Dec. 2004." Printout on 13 Jan. 2005, 2 pp from IOC, UNESCO website  
<http://ioc/unesco.org/itsu/contents.php?id=146>
- Plafker, George, "Tectonic Deformation Associated with the 1964 Alaska Earthquake," *Science*, Vol. 148, No. 3678, 25 June 1965, pp 1,675-1,687
- Plafker, George, and L.R. Mayo, *Tectonic Deformation, Subaqueous Slides and Destructive Waves Associated with the Alaskan March 27, 1964 Earthquake: An Interim Geologic Evaluation*, U.S. Geological Survey, Open File Report, 1965
- Plafker, George, "Tectonics of the March 27, 1964 Alaska Earthquake," *Geological Survey Professional Paper 543-I*, 1969, 74 pp
- Plafker, George, and Meyer Rubin, "Vertical Tectonic Displacements in South-central Alaska During and Prior to the Great 1964 Earthquake," *Jour. of Geosciences*, Osaka City University, Japan, Vol. 10, Art. 1-7, March 1967, pp 53-66
- Plafker, George, and J.C. Savage, "Mechanism of the

- Chilean Earthquakes of May 21 and 22, 1960," *Geol. Soc. Amer. Bull.*, Vol. 81, 1970, pp 1,001-1,030
- Plafker, George, "Alaskan Earthquake of 1964 and Chilean Earthquake of 1968: Implications for Arc Tectonics," *Journal of Geophysical Research*, Vol. 77, No. 5, 10 Feb. 1972, pp 901-925
- Plafker, George, and V.R. Eyzaquirre, "Rock Avalanche and Wave at Chungar, Peru," In *Rockslides and Avalanches; Engineering Sites*, ed. Barry Voight, Elsevier Scientific Pub. Co., 1979, Ch. 7, pp 269-279
- Plafker, G., "Catastrophic Tsunami Generated by Submarine Slides and Backarc Thrusting During the 1992 Earthquake on Eastern Flores I., Indonesia," *Geological Society of America, Cordilleran Section, 93rd Annual Meeting*, Vol 29, No. 5, 1997, p. 57
- Plafker, G., G.A. Carver, and S.H. Clarke, Jr., "Seismotectonics of the 1964 Alaska Earthquake as an Analog for Future Tsunamigenic Southern Cascadia Subduction Earthquakes," In *Proc. Geological Soc. Amer., Penrose Conf., Great Cascadia Earthquake Tricentennial*, eds. J. Clague, B. Atwater, K. Wang, M.M. Wang, and I. Wong, Oregon Dept. of Geology and Mineral Industries Special Paper 33, 2000, pp 96-97
- Plafker, George, E.A. Okal, C.E. Synolakis, "A New Survey of the 1946 Aleutian Tsunami in the Near Field: Evidence for a Large Underwater Landslide at Davidson Bank," *Seismol. Res. Lett.*, Vol. 73, 2002, p. 259 (abstract)
- Podyapolsky, G.S., "Generation of the Tsunami Wave by the Earthquake," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 19-32
- Polet, J., and H. Kanamori, "Shallow Subduction Zone Earthquakes and Their Tsunamigenic Potential," *Geophys. Jour. Int.*, Vol. 142, 2000, pp 684-702
- Poon, Ying-Keung, Fredric Raichlen, and James (Kimo) Walker, "Application of Physical Model in Long Wave Studies for the Port of Long Beach," *Coastal Engineering 1998: Conf. Proceedings, Copenhagen, Denmark, June 22-26, 1998*, ASCE, ed. Billy L. Edge, Vol. 2, 1999, pp 1,222-1,235
- Posner, Richard A., "The Probability of a Catastrophe...", *The Wall Street Journal*, 4 Jan. 2005, p. A12
- Pottinger, Matt, Timothy Mapes, and Eric Bellman, "Tsunami Relief Efforts Head Off Disease in Stricken Zones of Asia," *The Wall Street Journal*, 19 Jan. 2005, p. A10
- Power, H., and A.T. Chwang, "Reflection of a Planar Solitary Wave," *Bull. Amer. Phys. Soc.*, Vol 25, 1980, pp 1,079-
- Power, H., *On Cylindrical Solitary Waves*, Ph.D. thesis, Univ. of Iowa, 1981
- Power, W., G. Downes, M. McSaveney, J. Beavan, and G. Hancox, "The Fiordland Earthquake and Tsunami, New Zealand, 21 August 2003," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series, Advances in Natural and Technological Hazards Research, Vol 23, 2005
- Powers, Howard A., "The Tidal Wave of April 1, 1946," Hawaiian Volcano Observatory, HI, *The Volcano Letter*, No. 491, 1946, pp 1-3
- Powers, Howard A., "The Aleutian Tsunami at Hilo, Hawaii, April 1, 1946," *Bull. Seis. Soc. Amer.*, Vol. 279
- Plafker, G., and J.P. Galloway, *Lessons Learned from the Loma Prieta, California, Earthquake of October 17, 1989*, U.S. Geological Circular 1045, 1989, 48 pp
- Plafker, G., and S.N. Ward, "Backarc Thrust Faulting and Tectonic Uplift Along the Caribbean Sea Coast During the April 22, 1991 Costa Rico Earthquake," *Tectonics*, Vol. 11, 1992, pp 709-718
- 36, No. 4, 1946, pp 355-356
- Prasad, Gajendra, Jack Rynn, and Atu Kaloumaira, "Tsunami Mitigation for the City of Suva, Fiji," *Science of Tsunami Hazards*, Vol. 18, No. 1, 2000, pp 35-54
- Pratt, Wallace E., "The Eruption of Taal Volcano, January 30, 1911," *Philippine Jour. of Science*, Manila, P.I., Vol. 6, No. 2, 1911, pp 63-86
- Preisendorfer, Rudolph W., *Recent Tsunami Theory*, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu. HI, Rept. No. HIG-71-15, Aug. 1971, 55 pp
- Press, Frank, Ari Ben-Menahem, and M. Nafi Toksoz, "Experimental Determination of Earthquake Fault Length and Rupture Velocity," *Jour. Geophysical Research*, Vol. 66, No. 10, Oct. 1961, pp 3,471-3,485
- Press, Frank, and David Jackson, "Alaskan Earthquake, 27 March 1964: Vertical Extent of Faulting and Elastic Strain Energy Release," *Science*, Vol. 147, 19 Feb. 1965, pp 867-868
- Preuss, Jane, "Land Management Guidelines for Tsunami Hazard Zones," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 527-539
- Preuss, J., R. Preuss, A.J. Sanchez, and S.F. Farreras, "Update - Tsunami Effects of the September 1985 Mexico Earthquake," *Tsunami Newsletter*, Vol. 19, No. 2, July 1986, pp 7-9
- Preuss, Jane, and G.T. Hebenstreit, *Integrated Hazard Assessment for a Coastal Community; Grays Harbor*, U.S. Geological Survey, Open File Report 91-441-M, 1991
- Preuss, J., "Local Responses to the October 4, 1994 Tsunami Warning: Washington, Oregon, and California," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 35-45
- Preuss, J. and G.T. Hebenstreit, *Integrated Tsunami Hazard Assessment for a Coastal Community; Grays Harbor, Washington*, U.S. Geological Survey Professional Paper 1560, Vol. 2, 1998, pp 517-536
- Preuss, J., *Local Effects of Tsunamis, Interim Report, Local Effects of Tsunamis: Mitigation Component*, National Science Foundation, Washington, D.C., Contract CMS-9503604, Aug. 1999
- Preuss, J., and H. Yeh, "Application of Small-scale Scenarios as a Mitigation Tool to Reduce the Effects of Tsunami-Structure Interaction," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., 2001, pp 951-952
- Preuss, J., P.E. Raad, and R. Bidoae, "Mitigation

- Strategies Based on Local Tsunami Effects," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2002, pp 47-64
- Preuss, Jane, "Learning from Sri Lanka: A Wake-up Call for Coastal Hazards Mitigation," *Natural Hazards Observer*, Vol. 29, No. 5, May 2005, p 8-9
- Priest, George R., D.A. Hull, B.F. Vogt, A. Karel, Priest, George R., Edward Myers, and Antonio M. Baptista, "Limitations of Fault Dislocation Models for Tsunami Simulation on the Cascadia Subduction Zone, Northwest Coast, North America," In *Tsunami Observations, Modelling and Hazard Reduction*, Birmingham, July 1999, IUGG XXII General Assembly: Abstracts, 19th IUGG International Tsunami Symposium, 1999, p. B.128
- Priest, George R., Edward Myers, E. Baptista, P. Fleuck, K. Wang, and C.D. Peterson, "Source Simulation for Tsunamis: Lessons Learned from Fault Rupture Modeling of the Cascadia Subduction Zone," *Science of Tsunami Hazards*, Vol. 18, No. 2, 2000, pp 77-105
- Priest, G.R., et al., "Tsunami Hazard Assessment in Oregon," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 55-66
- Primavera, Jurgenne, "Mangroves, Fishponds, and the Quest for Sustainability," *Science*, Vol. 310, No. 5745, 7 Oct. 2005, pp 57-59 (tsunamis, p. 59)
- Prins, J.E., *Characteristics of Waves Generated by a Local Surface Disturbance*, Inst. Engrg. Res., Tech. Rept., Series 99, Issue 1, Univ. of California, Berkeley, CA, Aug. 1956, 84 pp
- Prins, J.E., "Characteristics of Waves Generated by a Local Disturbance," *Transactions of the American Geophysical Union*, Vol. 39, 1958, pp 865-874
- Prins, J.E., "Water Waves Due to a Local Disturbance," *Proc. 6th Conf. on Coastal Engineering*, ed. J.W. Johnson, Council on Wave Research, The Engineering Foundation, Berkeley, CA, 1958, pp 147-162
- Prior, D.B., Wm. J. Wiseman, Jr., and W.R. Bryant, "Submarine Chutes on the Slopes of Fjord Deltas," *Nature*, Vol. 290, 1981, pp 326-328
- Prior, D.B., and J.W. Coleman, "Active Slides and Flows in Under-consolidated Marine Sediments on the Slopes of the Mississippi Delta," In *Marine Slides and Other Mass Movements*, eds. S. Saxov and J.K. Nieuwenhuis, Plenum Press, 1982, pp 21-49
- Prior, David B., Brian D. Bornhold, James M. Coleman, William R. Bryant, "Morphology of a Submarine Slide, Kitimat Arm, British Columbia," *Geology*, Vol. 10, Nov. 1982, pp 588-592
- Prior, D.B., and J.W. Coleman, "Submarine Slope Instability," In *Slope Instability*, eds. D. Brunsten and D.B. Prior, John Wiley & Sons, 1984, pp 419-455
- Proceedings of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, August-September 1961*, ed. Doak C. Cox, International Union of Geodesy and Geophysics (IUGG), Paris, IUGG Monograph No. 24, July 1963, 265 pp
- and D.L. Olmstead, "Tsunami Risk Reduction: The Oregon Strategy," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 101-106
- Priest, G.R., E. Myers, A.M. Baptista, P. Fleuck, K. Wang, R.A. Kamphaus, and C.D. Peterson, *Cascadia Subduction Zone Tsunamis; Hazard Mapping at Yaquina Bay, Oregon*, Oregon Dept. of Geology and Mineral Industries, Open-File Report O-97-34, 1997, 144 pp
- Pugh, Clifford A., and David W. Harris, "Prediction of Landslide-generated Water Waves," In *Fourteenth International Congress on Large Dams; Rio de Janeiro, Brazil, 3-7 May 1982*, Transactions, Vol. III, Question 54 - Other Papers, R20, pp 283-315
- Pulpan, H., and C. Frohlich, "Geometry of the Subducted Plate Near Kodiak Island and Lower Cook Inlet, Alaska, Determined from Relocated Hypocenters," *Bull. Seismol. Soc. Amer.*, Vol. 75, 1985, pp 791-810
- Punongbayan, Raymundo, "Southern Mindanao Earthquake Generates Local Tsunami," *Tsunami Newsletter*, Vol. 34, No. 2, April 2003, pp 1-2
- Purucker M., and T. Ishihara, "Magnetic Images of the Sumatra Region Crust," *EOS, Trans., Amer. Geophysical Union*, Vol. 86, No. 10, 8 March 2005, pp 101-102
- Purwana, Ibnu, and Fauzi, "International Seminar/ Workshop on Tsunami: 'In Memoriam 120 Years of Krakatau Eruption - Tsunami and Lesson Learned from Large Tsunami,' Jakarta - Anyer, Indonesia, 26-29 Aug. 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, pp 22-24
- Rabinovich, A.B., and G.V. Shevchenko, "Estimation of Extreme Sea-level Heights as the Superposition of Tides, Storm Surges, and Tsunamis: Summary," an extended abstract, In *Proc. International Tsunami Symposium, Novosibirsk, USSR, July 31-Aug. 3, 1989*, ed. V.K. Gusiakov, Computing Center, Siberian Division, USSR Academy of Sciences, Novosibirsk, USSR, 1990, pp 201-205
- Rabinovich, A.B., V.A. Djumagaliev, I.V. Fine, and E.A. Kulikov, "Analysis of Weak Tsunamis in the Region of Kuril Islands and Resonance Influence of Topography," In *Proc. International Tsunami Symposium, Wakayama, Japan, Aug. 1993*, pp 95-105
- Rabinovich, A.B., and S. Monserrat, "Meteorological Tsunamis Near the Balearic and Kuril Islands; Descriptive and Statistical Analysis," *Natural Hazards*, Vol. 13, No. 1, 1996, pp 55-90
- Rabinovich, A.B., "Spectral Analysis of Tsunami Waves: Separation of Source and Topography Effects," *Jour. Geophys. Res.*, Vol. 102, 1997, pp 12,663-12,676
- Rabinovich, A.B., and S. Monserrat, "Generation of Meteorological Tsunamis (Large Amplitude Seiches) Near the Balearic and Kuril Islands," *Natural Hazards*, Vol. 18, No. 1, 1998, pp 27-55
- Rabinovich, A.B., et al., "Tsunami Risk Estimation for the Coasts of Peru and Northern Chile," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 281-292
- Rabinovich, Alexander B., Richard E. Thomson, Brian

- D. Bornhold, Isaac V. Fine, and Evgueni A. Kulikov, "Numerical Modelling of Tsunamis Generated by Hypothetical Landslides in the Strait of Georgia, British Columbia," *Pure and Applied Geophysics*, Vol. 160, No. 7, 2003, pp 1,273-1,313
- Rafiq, M., "Biophysical Markers for Delineation of Inundation Limits of Tsunamis and Storm Surges," *Science of Tsunami Hazards*, Vol. 7, No. 2, 1989, pp 67-71
- Raichlen, F., "Discussion of 'Tsunami-Responses of San Pedro Bay and Shelf, Calif.'", *Jour. Waterways, Harbors, and Coastal Engineering Div., Proc. ASCE*, Vol. 98, No. WW1, 1972, pp 104-110
- Raichlen, F., and J.L. Hammack, Jr., "Run-up Due to Breaking and Non-breaking Waves," *Proc. 14th Coastal Engng. Conf., June 24-29, 1974, Copenhagen, Denmark*, ed. J.W. Johnson, ASCE, Vol. III, 1975, pp 1,937-1,955
- Raichlen, F., "Tsunamis," In *Coastal Wave Hydrodynamics Theory and Engineering Applications*, Ralph M. Parsons Lab. for Water Resources and Hydrodynamics, Dept. Civil Engrg., Massachusetts Institute of Technology, Cambridge, MA, 1976, Chapter 7, pp 7-62
- Raichlen, F., and E. Naheer, "Wave Induced Oscillations of Harbors with Variable Depth," *Proc. 15th Coastal Engng. Conf., July 11-17, 1976, Honolulu, HI*, ed. J.W. Johnson, ASCE, Vol. IV, 1977, pp 3,536-3,556
- Raichlen, F., "Bay and Harbor Response to Tsunamis," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 188-221
- Raichlen, F., T.G. Lepelletier, and C.K. Tam, "The Excitation of Harbors by Tsunamis," In *Tsunamis: Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 359-385
- Raichlen, F. (Chairman), *Report of Tsunami Research Planning Group*, National Science Foundation (NSF), Washington, D.C., ECE-8516437, November 1985, 13 pp, manuscript
- Raichlen, Fredric, Jerald D. Ramsden, and James R. Walker, "Bottom Pressures due to Long Waves: Laboratory and Field Measurements," *22nd Coastal Engng. Conf., Proc. International Conf., Delft, The Netherlands, July 2-6, 1990*, ed. Billy L. Edge, ASCE, 1991, Vol. 2, pp 1,144-1,159
- Raichlen, Fredric, Jin Jen Lee, Catherine Petroff, and Philip Watts, "The Generation of Waves by a Landslide: Skagway, Alaska Case Study," *Coastal Engineering 1996: Proc. 25th International Conf., Orlando, Florida, 1996, Sept. 2-6, 1996*, ed. Billy L. Edge, ASCE, Vol. 2, 1997, pp 1,293-1,300
- Raine, Laurence M., *The Determinants of Risk Perceptions of Tsunamis in Oahu, Hawaii: Public Health Implications*, graduate dissertation, Univ. Hawaii, Honolulu, HI, Dec. 1995, 305 pp
- Ramirez, J., and H. Titichoca, "The Minor Destructive Tsunami Occurring Near Antofagasa, Northern Chile, July 20, 1995," *Science of Tsunami Hazards*, Vol. 15, No. 1, 1997, pp 3-21
- Ramming, H.G., and Z. Kowalik, *Numerical Modelling of Marine Hydrodynamics*, Elsevier, New York, 1980,
- Raichlen, F., "Long Period Oscillations in Basins of Arbitrary Shape," In *Coastal Engineering Specialty Conf., Santa Barbara, CA, 1965*, ASCE, 1966, pp 115-145
- Raichlen, F., "Tsunamis: Some Laboratory and Field Observations," *Proc. 12th Coastal Engineering Conf., Washington, D.C., 1970*, ed. J. W. Johnson, ASCE, 1971, Ch. 127, pp 2,103-2,122
- 369 pp
- Ramsden, Jerald D., and Fredric Raichlen, "Forces on a Vertical Wall Caused by Incident Bores," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 116, No. 5, Sept./Oct. 1990, pp 592-613
- Ramsden, Jerald Day, *Tsunamis: Forces on a Vertical Wall Caused by Long Waves, Bores, and Surges on a Dry Bed*, California Institute of Technology, W.M. Keck Laboratory of Hydraulics and Water Resources, Pasadena, CA, Rept. No. KH-R-54, May 1993, 251 pp
- Raney, Donald C., and H. Lee Butler, *A Numerical Model for Predicting the Effects of Landslide-generated Water Waves*, U.S. Army Corps of Engineers, Hydraulics Laboratory, Waterways Experiment Station, Vicksburg, MS, Research Rept. H-75-1, Feb. 1975, 42 pp
- Raney, Donald C., and H. Lee Butler, "Landslide Generated Water Wave Model," *Jour. Hydraulics Div., Proc. ASCE*, Vol. 102, No. HY9, Sept. 1976, pp 1,269-1,282
- Rangelov, B., and D.D. Gospodinov, "Tsunami Vulnerability Modelling for the Bulgarian Black Sea Coast," *Water Science and Technology*, Vol. 32, No. 7, 1995, pp 47-53
- Rascon, O.A., and A.G. Villarreal, "Estudio Estadístico de los Tsunamis Observados en la Costa Mexicana del Pacífico," *Ing. (Mexico)*, Vol. 44, No. 1, 1974
- Rascon, Octavio A., and Augusto G. Villarreal, "On a Stochastic Model to Estimate Tsunami Risk," *Journal of Hydraulic Research*, Vol. 13, No. 4, 1975, pp 383-403
- Rasmussen, Cecilia, "1812 California Tsunami Carried a Ship Inland. An Undersea Quake in the Santa Barbara Channel Sent a Powerful Wave Smashing into the Coast, Carrying a Ship Half a Mile Inland," *Los Angeles Times*, CA, 9 Jan. 2005
- Reese, L.C., and H. Matlock, "Structural Damage from Tsunami at Hilo, Hawaii," *Conference Reprint 552, ASCE National Meeting, Water Resources Engineering, October 1967, New York, NY, ASCE, 1967*, 45 pp; also in *Jour. Hyd. Div., Proc. ASCE*, Vol. 94, No. HY4, July 1968, pp 961-982
- Regan, James, "Lethal Waves Killed a Shoreline Culture. Papua Villages Still Empty Year After Tsunami," *San Francisco Chronicle*, CA, 4 Aug. 1999, p. A10
- Reich, Kenneth, "The State. Researchers Warn of Tsunami Danger: Offshore Earthquake Could Unleash the Destructive Waves, Scientists Say. They Recommend a Warning System," *Los Angeles Times*, 3 May 2003, p. B6, printout from Univ. Southern Calif. (USC) Public Relations
- Reid, H.F., "The Lisbon Earthquake of November 1, 1755," *Bull. Seis. Soc. Amer.*, Vol. 4, 1919, pp 53-80

- Reid, Harry Fielding, and Stephen Taber, *The Porto Rico Earthquake of 1918, with Description of Earlier Earthquakes*, Report of the Earthquake Investigation Commission, House Document 269, 66th Congress, 1st Session, U.S. Government Printing Office, Washington, D.C., 1919, pp 53-66
- Reid, Harry Fielding, and Stephen Taber, "The Porto Rico Earthquakes of October - November 1918," *Bull. Seis. Soc. Amer.*, Vol. 9, No. 4, Dec. 1919, pp 95-100, "Effect of Coriolis Force on Edge Waves. Part I. Investigation of the Normal Modes," *Jour. Marine Research*, Vol. 16, 1958, pp 109-144
- Reid, R.O., and B.R. Bodine, "Numerical Model for Storm Surges in Galveston Bay," *Jour. Waterways and Harbors Div.*, *Proc. ASCE*, Vol. 94, No. WW1, 1968, pp 33-57
- Reid, R.O., and C.R. Knowles, "An Inverse Tsunami Problem," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 397-406
- Reid, R.O., and R.E. Whitaker, "Wind Driven Flow of Water Influenced by a Canopy," *Jour. Waterway, Port, Coastal and Ocean Div.*, *Proc. ASCE*, Vol. 102, No. WW1, 1976, pp 61-77
- Reid, R.O., "Island Response to Tsunamis," In *Tsunamis: Proceedings of the National Science Foundation Workshop*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 182-187
- Reimnitz, Erk, and Neil F. Marshall, "Effects of the Alaska Earthquake and Tsunami on Recent Deltaic Sediments," *Jour. Geophys. Res.*, Vol. 70, No. 10, May 15, 1965, pp 2,363-2,376
- Repetti, W.C., "Catalogue of Earthquakes Felt in Guam 1825-1938," *Seismological Bulletin for 1939, January-June*, Weather Bureau, Manila Central Observatory, Commonwealth of the Philippines, 1939, pp 27-43
- Repetti, William C., "Catalog of Philippine Earthquakes, 1589-1899," *Bull. Seismol. Soc. Amer.*, Vol. 36, No. 3, July 1946, pp 133-322
- "Resolutions of the Tenth Pacific Science Congress Concerning Tsunamis, September 1961," through Section of Geophysical Sciences, passed by the Tenth Pacific Science Congress, *Proceedings of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Hawaii, August-September 1961*, ed. Doak C. Cox, International Union of Geodesy and Geophysics, Paris, IUGG Monograph No. 24, July 1963, p. 262
- Reuters, "Indonesia Quake Leaves Island in Ruins," (Flores Island), *San Francisco Chronicle*, CA, 16 Dec. 1992
- Reuters News Service, "PNG Tsunami Survivors Never Saw Government Aid," July 18, 1999  
<http://www.reliefweb.int>
- Reyes-Rodriguez de la Gala, Jorge, and Salvador F. Farreras, "Numerical Analysis of Scattered Waves at Guadalupe Island, Mexico," In *Natural and Man-Made Coastal Hazards, International Conference, Aug. 15-20, 1988: Proceedings*, eds. S.F. Farreras and G. Pararas-Carayannis, 1989, pp 146-151
- Reymond, D., O. Hyvernaud, and J. Talandier, "Automatic Detection, Location and Quantification of Earthquakes: Application to Tsunami Warning," *Pure*
- 127
- Reid, Harry F., and Stephen Taber, "The Virgin Island Earthquakes of 1867 and 1868," *Bull. Seismol. Soc. Amer.*, Vol. 10, No. 1, March 1920, pp 9-30
- Reid, R.O., *Forced and Free Surges in a Narrow Basin of Variable Depth and Width; A Numerical Approach*, Tech. Rept. Ref. 57-25T, Texas A & M Research Foundation, Texas A & M Univ., 1957, 60 pp
- and *Applied Geophys. (PAGEOPH)*, Vol. 135, 1991, pp 361-382
- Reymond, D., O. Hyvernaud, and J. Talandier, "An Integrated System for Real-time Estimation of Seismic Source Parameters and Its Application to Tsunami Warning," In *Tsunami in the World*, ed. S. Tinti, Kluwer Acad. Pub., The Netherlands, 1993, pp 177-196
- Reymond, Dominique, and Olivier Hyvernaud, "Evolution of the Tsunami Warning Plan in French Polynesia and Tsunami Warning Exercise in the Marquesas Islands," *Tsunami Newsletter*, Vol. 29, No. 4, Aug. 2002, pp 4-10
- Ribaric, V., *Seismicity of Slovenia. Catalog of Earthquakes (792 A.D.-1981)*, Ljubljana, 1982
- Rice, E.F., "The Alaska Earthquake," *Civil Engineering*, Vol. 34, No. 5, May 1964, pp 52-56
- Richmond, Bruce M., Charles H. Fletcher III, Eric E. Grossman, and Ann E. Gibbs, "Islands at Risk: Coastal Hazard Assessment and Mapping in the Hawaiian Islands," *Environmental Geosciences*, Vol. 8, No. 1, 2002, pp 21-37
- Richmond, J., "Account of Tidal Wave and Earthquake as Observed at Buna Bay, Papua," *Brit. New Guinea Govt. Gazette*, 1, 1907
- Richmond, R.N., "Earthquake and Tsunami Hazards Reported from Fiji Islands," *Tsunami Newsletter*, Vol. 10, No. 3, Sept. 1977, pp 8-11
- Riemer, W., "Keynote Paper: Landslides and Reservoirs," In *Landslides: Proc. of the Sixth International Symposium, 10-14 Feb., Christchurch, New Zealand*, eds. David H. Bell and A.A. Balkema, Rotterdam, Vol. 3, 1995, pp 1,973-2,004
- Rikitake, T., and I. Aida, "Tsunami Hazard Probability in Japan," *Bull. Seismological Soc. Amer.*, Vol. 78, 1988, pp 1,268-1,278
- Ripper, I.D., and H. Letz, *The Sissano Lagoon (Aitape) Tsunami: Which Earthquake was Responsible?*, Dept. Mineral Resources, Geological Survey, Papua New Guinea Geological Survey, 1999, 19 pp
- Ritter, J.R., and W.R. Dupre, *Map Showing Areas of Potential Inundation by Tsunamis in the San Francisco Bay Region, California, Misc. Field Studies Map MF-480, 1972*, San Francisco Bay Region Environment and Resources Planning Study, U.S. Dept. of Interior and U.S. Dept. of Housing and Urban Development, Washington, D.C., Basic Data Contribution 52, 1972, 2 sheets
- Roberts, E.B., "A Seismic Sea Wave Warning System for the Pacific," *U.S. Coast and Geodetic Survey Journal*, Vol. 3, 1950, p. 74
- Roberts, E.B., "The Day the Bay Ran Over," *Proc., U.S. Naval Institute*, May 1960, pp 62-66

- Roberts, Elliott B., "History of a Tsunami," *Smithsonian Report for 1960*, Smithsonian Institution, Washington, D.C., 1961, pp 327-340 and plates
- Roberts, James A., and Erwin K. Kauper, *The Effects of Wind and Precipitation on the Modification of South Beach, Crescent City, California. Including An Appendix on the Focusing of Tsunami Energy at Crescent City: Final Report*, prepared for Rogers, G.C., "An Assessment of the Megathrust Earthquake Potential of the Cascadia Subduction Zone," *Canadian Jour. of Earth Sciences*, Vol. 15, No. 6, 1988, pp 844-852
- Rogers, M.W., "Memorandum on the Earthquake of the 31st December 1881, and the Great Sea Waves Resulting Therefrom as Shown on the Diagrams of the Tidal Observatories in the Bay of Bengal," *Proc. of the Asiatic Soc. of Bengal*, Calcutta, Vol. 3, 1884, pp 63-66
- Rogers, S.R., and C.C. Mei, "Nonlinear Resonant Excitation of a Long Narrow Bay," *Jour. Fluid Mech.*, Vol. 88, Part 1, 13 Sept. 1978, pp 161-180
- Roop, F.C., *A Study Relating Data from the Seismic Sea Wave of April 1, 1946 to the Theory of Its Propagation*, Fluid Mech. Lab., Univ. California, Berkeley, Navy Dept. Bu Ships Contract Nobs2490 CA, Tech. Rept., HE-116-215, 11 July 1946, 50 pp, 4 appendices, 9 plates
- Rosenthal, A.M., "The Disaster in Papua New Guinea Has Awakened Fears of Tsunamis Occurring Elsewhere in the Pacific Including North America's West Coast," *California Wild*, Vol. 52, No. 2, 1999, pp 24-32
- Royer, Thomas C., and Robert O. Reid, *The Detection of a Multiple Tsunami Phenomenon*, Texas A&M Univ., Dept. Oceanography, A&M Project 471-A, Ref. 69-12T, Sept. 1969, 50 pp
- Royer, T.C., and R.O. Reid, "The Detection of Secondary Tsunamis," *Tellus*, Vol. 22, 1971, pp 136-142
- Rubino, A., J.O. Backhaus, and S. Pierini, "Tsunamis Generated by Mud Slides," In *Int. Symp. Waves - Physical and Numerical Modelling*, Univ. of British Columbia, Vancouver, B.C., Canada, 1994, pp 466-473
- Rudnicki, J.W., and M. Wu, "Mechanics of Dip-slip Faulting in an Elastic Half-space," *Jour. Geophysical Research*, Vol. 100, 1995, pp 22,173-22,186
- Rudolph, E., "Ueber Submarine Erdbeben und Eruptionen," *Gerl. Beitr. z. Geophysik*, Vol. 1, 1887, pp 133-373
- Rudolph, E., "Ueber Submarine Erdbeben und Vulkane (Zweiter Beitrag)," *Gerl. Beitr. z. Geophysik*, Vol. 2, 1895, pp 537-666
- Ruff, L.J., and A.D. Miller, "Rupture Process of Large Earthquakes in the Northern Mexico Subduction Zone," *Pure and Applied Geophysics*, Vol. 142, 1994, pp 101-172
- Ruff, L.J., "Some Aspects of Energy Balance and Tsunami Generation by Earthquakes and Landslides," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,155-2,176
- Rundgren, L., *Destructive Sea Waves*, Rept. by L. Rundgren, Royal Inst. of Tech., Sweden, to Environmental Sciences Div., Office of the Chief of Research and Development, Dept. of the Army, by Atmospheric Research Group, Altadena, CA, ARG64 FR-186, 14 Oct. 1964, 32 pp and appendix (refraction drawings in an envelope)
- Roberts, J.A., and C.-W. Chen, *The Effects of Bottom Topography on the Refraction of the Tsunami of 27-28 March 1964: The Crescent City Case*, Meteorological Research, Inc., CA, Rept., 1964
- Lighthouse Dept., Ministry of Transport, Bombay, India, April 1953, 13 pp
- Rundle, J.B., H. Kanamori, and K.C. McNally, "An Inhomogeneous Fault Model for Gaps, Asperities, Barriers, and Seismicity Migration," *J. Geophys. Res.*, Vol. 89, 1984, pp 10,219-10,231
- Rutherford, D., "Disaster at Scotch Cap," *The Keeper's Log*, Vol. 2, 1986, pp 12-14
- Rynn, Jack, and Jim Davidson, "Contemporary Assessment of Tsunami Risk and Implications for Early Warnings for Australia and Its Islands Territories," (presented at First Tsunami Symposium, May 1999, Honolulu, Hawaii), *Science of Tsunami Hazards*, Vol. 17, No. 2, 1999, pp 107-126. Also In *IUGG 1999 Birmingham, IUGG XXII General Assembly: Abstracts, Weeks A and B*, p. B.127  
<http://www.iugg.org/assemblies/1999birmingham/1999abstracts.pdf>
- Rynn, Jack, and Gajendra Prasad, "Mitigation of Tsunami Risk for the city of Suva, Fiji," In *IUGG 99, Birmingham, Abstracts, Weeks A and B, IUGG XXIII General Assembly, 1999*, p. B.132
- Rynn, Jack, "A Preliminary Assessment of Tsunami Hazard and Risk in Indonesian Region," *Science of Tsunami Hazards*, Vol. 20, No. 4, 2002, pp 193-215
- Rzadkiewicz, Assier S. See Assier Rzadkiewicz
- Sabadini, R., G. Dalla Via, M. Hoogland, and A. Aoudia, "A Splash in Earth Gravity from the 2004 Sumatra Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 15, 12 April 2005, pp 149 and 153-154
- Sabatier, P.C., "On Water Waves Produced by Ground Motions," *Jour. Fluid Mech.*, Vol. 126, 1983, pp 27-58
- Saint-Amand, Pierre, *Los Terremotos de Mayo -- Chile 1960*, U.S. Naval Ord. Test Station, China Lake (California), Tech. Art. 14, NOTS-TP-2701, 1961, 39 pp
- Saint-Amand, Pierre, ed., "Special Issue - Oceanographic, Geologic, and Engineering Studies of the Chilean Earthquakes of May 1960," *Bull. Seis. Soc. Amer.*, Vol. 53, No. 6, 1963, pp 1,123-1,436
- Saito, Y., "Tsunami Deposits on the Okushiri Island Shelf Caused by the 1993 Hokkaido Nansei-oki Earthquake," *EOS, Trans., Amer. Geophys. Union*, Supplement, Vol. 78, 1996, p. F511
- Sakai, Otohiko, "The Ibaraki-oki Earthquake of January 16, 1961 and the Accompanying Tsunami," *Quarterly Jour. Seismology*, Central Meteorological Observatory, Tokyo, Vol. 26, No. 3, 1961, pp 61-63
- Sakata, S., "Concept of a Newly-invented Laser Tsunami Meter and Its Possible Application to Tsunami Warning System," *Proc. of Inter. Workshop on Tsunami Disaster Mitigation*, Japan Meteorological Agency and Science Technology Agency, Tokyo, 1998,



pp 132-135

Sakkas, J.G., and T. Strelkoff, "Dam-break Flood in a Prismatic Dry Channel," *Hyd. Jour., Proc. ASCE*, Vol. 99, No. HY12, 1973, pp 2,195-2,216

Salsman, Garrett G., *The Tsunami of March 9, 1957*, Sanchez, A.J., and S.F. Farreras, "Maximum Entropy Spectral Analysis of Tsunamis along the Mexican Coast: 1957-1979," In *Tsunamis - Their Science and Engineering. Proc. International Tsunami Symposium, Sendai, Japan*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 147-159

Sanchez, A.J., and S.F. Farreras, "Tsunami Threat to the Mexican Pacific Ocean Coast - Summary," In *Proc. of the International Tsunami Symposium, IUGG, 18 Aug. 1987*, eds. E.N. Bernard and R.L. Whitney, NOAA, Pac. Marine Env. Lab., Seattle, WA, 1987, pp 215-219

Sanchez Devora, A.J., and S.F. Farreras Sanz, *Catalog of Tsunamis on the Western Coast of Mexico*, Publ. SE-50, World Data Center A for Solid Earth Geophys., Natl. Geophys. Data Center, Boulder, CA, January 1993, 79 pp

Sandoval, Francisco J., and Salvador F. Farreras, "Numerical Evaluation of Long Wave Induced Tsunami Oscillations in the Gulf of California," In *Natural and Man-Made Coastal Hazards, International Conference, Aug. 15-20, 1988: Proceedings*, at Ensenada, Baja California, Mexico, and San Diego, CA, U.S.A., eds. S.F. Farreras and G. Pararas-Carayannis, 1989, pp 155-159

Sandoval, Francisco J., and Salvador F. Farreras, "On Tsunami Resonance of the Gulf of California," In *Tsunamis in the World* ed. by S. Tinti, Kluwer Academic Publishers, The Netherlands, 1993, pp 107-119

Sano, K., and K. Hasegawa, "On the Wave Produced by a Sudden Depression of a Small Portion of the Sea Bottom," *Bull. Cent. Met. Obs., Japan*, Vol. 2, No. 3, 1915, pp 1-13

Sasorova, E.V., B.W. Levin, V.E. Morozov, and I.N. Didenkulov, "Hydro-Acoustic Monitoring on the Kamchatka Shelf: A Possibility of Early Location of Oceanic Earthquake and Local Tsunami Warning," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005

Sassa, Kyojio, editor, *Landslides of the World*, Kyoto University Press, Kyoto, Japan, 1999, 412 pp

Satake, K., "The Mechanism of the 1983 Japan Sea Earthquake as Inferred from Long-period Surface Waves and Tsunami," *Phys. Earth Planet. Inter.*, Vol. 37, No. 4, 1984, pp 249-260

Satake, K., "Re-examination of the 1940 Shakotan-oki Earthquake and the Fault Parameters of the Earthquakes along the Eastern Margin of the Japan Sea," *Phys. Earth and Planet. Inter.*, Vol. 43, 1986, pp 137-147

Satake, Kenji, "Inversion of Tsunami Waveforms for the Estimation of a Fault Heterogeneity: Method and Numerical Experiments," *Jour. Phys. Earth.*, Vol. 35, 1987, pp 241-254

Satake, Kenji, and K. Shimazaki, "Computation of Tsunami Waveforms by a Superposition of Normal Modes," *Jour. Phys. Earth*, Vol. 35, 1987, pp 409-414

Satake, K., and K. Shimazaki, "Free Oscillation of

as Recorded at Tide Stations, U.S. Coast & Geodetic Survey, Technical Bulletin No. 6, 1959, 18 pp

Sammons, J.C., "Destructive Sea Waves in the Hawaiian Islands," *Coast and Geodetic Survey Journal*, No. 3, 1950, pp 64-73

the Japan Sea Excited by Earthquakes. I. Observation and Wave-theoretical Approach," *Geophys. Jour.*, Vol. 93, No. 3, June 1988, pp 451-456

Satake, K., and K. Shimazaki, "Free Oscillations of the Japan Sea Excited by Earthquakes. II. Modal Approach and Synthetic Tsunamis," *Geophys. Jour.*, Vol. 93, No. 3, June 1988, pp 457-463

Satake, Kenji, M. Okada, and K. Abe, "Tide Gauge Response to Tsunamis: Measurements at 40 Tide Gauge Stations in Japan," *Jour. Marine Res.*, Vol. 46, No. 3, Aug. 1988, pp 557-571

Satake, Kenji, "Effects of Bathymetry on Tsunami Propagation: Application of Ray Tracing to Tsunamis," *Pure and Applied Geophysics*, Vol. 126, 1988, pp 27-36

Satake, Kenji, "Inversion of Tsunami Waveforms for the Estimation of Heterogeneous Fault Motion of Large Submarine Earthquakes: The 1968 Tokachi-oki and the 1983 Japan Sea Earthquakes," *Jour. Geophys. Res.*, Vol. 94, No. B5, 1989, pp 5,627-5,636

Satake, K., "Real-time Determination of Earthquake Source Parameter and Its Application to Tsunami Warnings," *Proc. 2nd UJNR Tsunami Workshop, Honolulu, HI, 5-6 Nov. 1990*, NOAA NGDC Key to Geophysical Records Documentation No. 24, U.S. Gov't. Printing Office, Wash., D.C., March 1991, pp 239-245

Satake, Kenji, and Hiroo Kanamori, "Use of Tsunami Waveforms for Earthquake Source Study," *Natural Hazards*, Vol. 4, 1991, pp 193-208

Satake, Kenji, and H. Kanamori, "Abnormal Tsunamis Caused by the June 13, 1984 Torishima, Japan, Earthquake," *Jour. Geophysical Res.*, Vol. 96, 1991, pp 19,933-19,939

Satake, Kenji, and P. Somerville, "Location and Size of the 1927 Lompoc, California, Earthquake from Tsunami Data," *Bulletin of the Seismological Society of America*, Vol. 82, 1992, pp 1,710-1,725

Satake, K., Y. Yoshida, and Ka. Abe, "Tsunami from the Mariana Earthquake of April 5, 1990: Its Abnormal Propagation and Implications for Tsunami Potential from Outer-rise Earthquakes," *Geophys. Res. Lett.*, Vol. 19, No. 3, 1992, pp 301-304

Satake, Kenji, Joanne Bourgeois, Kuniaki Abe, Katsuyuki Abe, Y. Tsuji, F. Imamura, Y. Ito, H. Katao, Evelyn Noguera, and Francisco Estrada, "Tsunami Field Study of the 1992 Nicaragua Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, No. 13, 30 March 1993, pp 145 and 156-157

Satake, K., "Depth Distribution of Coseismic Slip along the Nankai Trough, Japan, from Joint Inversion of Geodetic and Tsunami Data," *Jour. Geophys. Res.*, Vol. 98, 1993, pp 4,553-4,565

Satake, Kenji, "Mechanism of the 1992 Nicaragua Tsunami Earthquake," *Geophys. Res. Lett.*, Vol. 21, No. 23, 1994, pp 2,519-2,522

Satake, Kenji, "Introduction to 'Tsunamis'," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp

373-379

Satake, Kenji, "Linear and Nonlinear Computations of the 1992 Nicaragua Earthquake Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 455-470

Satake, Kenji, and Yuichiro Tanioka, "Tsunami Satake, Kenji, and Yuichiro Tanioka, "Inverse and Forward Modeling of the 1993 Hokkaido Tsunami," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 99-113

Satake, K., and Y. Tanioka, "Sources of Tsunami and Tsunamiogenic Earthquakes in Seduction Zones," *Pure and Applied Geophysics*, Vol.154, 1999, pp 467-483

Satake, Kenji, "Tsunamis," In *International Handbook of Earthquake and Engineering Seismology*, eds. W.K. Lee, H. Kanamori, P.C. Jennings, and C. Kisslinger, International Assoc. of Seismology and Physics of the Earth's Interior (IASPEI), Chapter 28, 2002, pp 437-451

Satake, K., K. Wang, and B.F. Atwater, "Fault Slip and Seismic Moment of the 1700 Cascadia Earthquake Inferred from Japanese Tsunami Descriptions," *Jour. Geophysical Res.*, Vol. 108, 2003, pp ESE 7-1 to 7-17

Satake, Kenji, "Twenty-first International Tsunami Symposium, 9-10 July 2003," (Sapporo, Japan), *Tsunami Newsletter*, Vol. 35, No. 4, Aug. 2003, p. 6

Satake, K., and Y. Tanioka, "The July 1998 Papua New Guinea Earthquake Mechanism and Quantification of Unusual Tsunami Generation," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 2,087-2,118

Satake, Kenji, editor, *Tsunamis: Case Studies and Recent Developments*, Vol. 23 of the Series - Advances in Natural and Technological Hazards Research, Springer, New York, 2005, 20 papers from the 21st IUGG International Tsunami Symposium, 343 pp

Satake, K., F. Nanayama, S. Yamaki, Y. Tanioka, and K. Hirata, "Variability Among Tsunami Sources in the 17th - 21st Centuries along the Southern Kuril Trench," In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005

Satake, Kenji, "IUGG Tsunami Commission Business Meeting, Chania, Crete, 28 June 2005," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004-Sept. 2005, p. 31

Sato, S., T. Shimamoto, A. Tsutsumi, and E. Kawamoto, "Onshore Tsunami Deposits Caused by the 1993 Southwest Hokkaido and 1993 Japan Sea Earthquakes," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 693-717

Sato, Shinji, "Numerical Simulation of the Propagation of the 1993 Southwest Hokkaido Earthquake Tsunami Around Okushiri Island," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 119-134

Sato, Shinji, "Numerical Simulation of 1993 Southwest Hokkaido Earthquake Tsunami Around Okushiri Island," *Jour. Waterway, Port, Coastal and Ocean Engineering*, ASCE, Vol. 122, No. 5, Sept./Oct. 1996, pp 209-215

Sauber, Jeanne, and Renata Dmowska, editors, *Seismic*

Generation of the 1993 Hokkaido Nansei-Oki Earthquake," *Pure and Applied Geophysics*, Vol. 145, Nos. 3/4, 1995, pp 803-821

Satake, K., K. Shimazaki, Y. Tsuji, and K. Ueda, "Time and Size of a Giant Earthquake in Cascadia Inferred from Japanese Tsunami Records of January 1700," *Nature*, Vol. 379, 1996, pp 246-249 and *Tsunamiogenic Processes in Shallow Subduction Zones*, Special Issue of *Pure and Applied Geophysics*, Vol. 154, Nos. 3-4, 1999, pp 405-776

Savage, J.C., and L.M. Hastie, "Surface Deformation Associated with Dip-slip Faulting," *Jour. Geophys. Res.*, Vol. 71, 1966, pp 4,897-4,904

Savaretsky, E.F., "The Tsunami Problem", *Bull. Council for Seismology, Academy of Sciences of the USSR*, No. 2, 1956, pp 3-7. Translated by Vera Stevenson and Jenta Winternitz, Translation Series No. 7, East-West Center, and Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, HI, 1960, 6 pp

Savarensky, E.F., V.G. Tischenko, A.E. Sviatlovsky, A.D. Dobrovolsky, and A.V. Zhivago, "The Tsunami of 4-5 November 1952," *Bulletin of the Council for Seismology, Academy of Sciences of the USSR*, No. 4, 1958, pp 1-60. Translated by Wilvan G. Van Campen, East-West Center, and Hawaii Institute of Geophysics, Univ. of Hawaii, Honolulu, HI, Translation Series No. 10, 1961, 59 pp

Sawyer, Col. Kenneth T., "The Alaska Earthquake. Effects, Reaction, and Recovery," *The Military Engineer*, Vol. 56, No. 373, July-Aug. 1964, pp 246-249

Saxena, N.K., and A. Zielinski, "Deep Ocean System to Measure Tsunami Wave-height," *Marine Geodesy*, Vol. 5, No. 1, 1981, pp 55-62

Saxena, N.K., and T.S. Murty, "Some Theoretical Approaches to Delineate Tsunami Hazard in the Pacific Ocean," *Marine Geodesy*, Vol. 11, Nos. 2/3, 1987, pp 173-180

Sayama, J., N. Shuto, and C. Goto, "Errors Induced by Refraction in Tsunami Numerical Simulation," *6th Asian and Pacific Region Division, IAHR, Kyoto, Japan, 1988*, pp 257-264

Schatz, Clifford E., Herbert Curl, Jr., and Wayne V. Burt, "Tsunamis on the Oregon Coast," *Oregon State University, Corvallis, OR, The Ore Bin*, Vol. 26, No. 12, 1964, pp 231-232

Scheffers, Anja, "Evidences of Tsunamis on Curacao, Bonair, and Aruba," *Science of Tsunami Hazards*, Vol. 20, No.1, 2001, pp 26-37

Scherer, J., "Great Earthquakes in the Island of Haiti," *Bull. Seis. Soc. Amer.*, Vol. 2, No. 3, Sept. 1912, pp 161-180

Schindele, D. Reymond, E. Gaucher, and E.A. Okal, "Analysis and Automatic Processing in Near-field of Eight 1992-1994 Tsunamiogenic Earthquakes: Improvements Towards Real-time Tsunami Warning," In *Tsunamis: 1992-1994. Their Generation, Dynamics, and Hazard*, eds. K. Satake and F. Imamura, *Pure and Applied Geophysics*, Special Issue, Vol. 144, Nos. 3/4, 1995, pp 381-408

Schneider, David, "Looking for Dr. Pangloss," *American Scientist*, Vol. 93, No. 2, March-April 2005, pp 118-119

Schoch, Russell, "A Conversation with Walter

- Alvarez, "California Monthly, Berkeley, CA, Nov. 1997, pp 22-26
- Schubert, Carlos, "Tsunamis in Venezuela: Some Observations on their Occurrence," In Coastal Schurlmann, Torsten, Torsten Dose, and Stephan Schimmels, "Characteristic Modes of the Andreanov Tsunami Based on the Hilbert-Huang Transformation," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001, Sept. 2-6, 2001, San Francisco, CA*, eds. B.L. Edge and J.M. Hemsley, ASCE, Vol. 2, 2002, pp 1,525-1,534
- Schwab, W.C., W.W. Danforth, K.M. Scanlon, and D.G. Masson, "A Giant Submarine Slope Failure Along the Northern Insular Slope of Puerto Rico," *Marine Geology*, Vol. 96, 1991, pp 237-246
- Schwab, W.C., H.J. Lee, and D.C. Twichell, *Submarine Landslides: Selected Studies in the U.S. Exclusive Economic Zone*, U.S. Geological Survey, Bulletin 2002, 1993, 204 pp
- Schwartz, John, "Blogs Provide Raw Details from Scene of the Disaster," *New York Times*, 28 Dec. 2004, p. A14
- Schwing, F.B., J.G. Norton, and C.H. Pilskein, "Earthquake and Bay: Response of Monterey Bay to the Loma Prieta Earthquake, 17 October 1989" *EOS, Trans.*, AGU, Vol. 71, 6 Feb. 1990, pp 250-251
- Science of Tsunami Hazards, The International Journal of the Tsunami Society*. Recent issues available at websites  
<http://www.sthjourn.org/>  
<http://epubs.lanl.gov/tsunami>
- Scinner, I., and M. Watanabe, *Philippines. Eastern Luzon Earthquake of 7 April 1970*, UNESCO, Serial No. 2220/BMS, RD/SCE, 1970
- Seed, H.B., R.B. Seed, F. Schlosser, F. Blondeau, and I. Juran, *The Landslide at the Port of Nice on October 16, 1979*, Earthquake Engineering Research Center, Univ. Calif., Berkeley, CA, Rept. No. UCB/EERC-88/10, June 1988, 68 pp, map (based in part on report by H. Bolton Seed, dated 1 Feb. 1983, 56 pp)
- Segur, H., "The Korteweg-de Vries Equation and Water Waves. Solutions of the Equation, Part I," *Jour. Fluid Mech.*, Vol. 59, 1973, pp 721-736
- Selezov, I.T., M.I. Zheleznyak, V.A. Tkachenko, and V.V. Yakovlev, "On the Numerical Modeling of Tsunami Wave Generation and Propagation," *Marine Geodesy*, Vol. 6, No. 2, 1983, pp 149-166
- Selga, Miguel, "Zamboanga Mareogram of the Coquimbo Earthquake," *Proc. of the Pan-Pacific Science Congress, Melbourne, Australia*, Vol. 1, 1923, pp 587-590
- Senior Seismic Hazard Analysis Committee, *Recommendations for Probabilistic Seismic Hazard Analysis; Guidance on Uncertainty and Use of Experts*, U.S. Nuclear Regulatory Commission, Washington, D.C., NUREG/CR-6372, 1997, 256 pp
- Senter, P.K., *Design of Proposed Crescent City Harbor, California, Tsunami Model; Hydraulic Model Investigation*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. H-71-2, Feb. 1971, 33 pp
- Seshadri, Suresh, "Officials Give Up Counting Bodies in Parts of India," *USA Today*, 30 Dec. 2004, p. 6A
- Hazards: Perception, Susceptibility and Mitigation, Jour. Coastal Research*, ed. C.W. Finkl, Jr., Special Issue No. 12, 1994, pp 189-196
- Sezawa, Katsutada, and Kiyoshi Kanai, "On Shallow Water Waves Transmitted in the Direction Parallel to a Sea Coast with Special Reference to Love Waves in Heterogeneous Media," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 17, No. 4, 1939, pp 685-694
- Shank, R.E., "Hazard Reduction and the Mitigation of Tsunami Effects through Effective Public Warning in Hawaii," *Symposium on Tsunamis, Ensenada, Baja California, Mexico, March 23-26, 1977*, ed. T.S. Murty, Dept. of Fisheries and Environment, Ottawa, Canada, Manuscript Report Series No. 48, 1978, pp 252-254
- Shapiro, N., K. Singh, and J. Pacheco, "A Fast and Simple Diagnostic Method for Identifying Tsunamiogenic Earthquakes," *Geophys. Res. Lett.*, Vol. 25, No. 20, 1998, pp 3,911-3,914
- Shaw, Richard Paul, "Tsunami Scattering by an Island Surrounded by Water of Variable Depth," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 133-140
- Shchetnikov, N.A., *Mareogram Atlas, IMGIG DVNC USSR*, Academy of Science Press, Vladivostok, USSR, 1990
- Shen, M.C., and R.E. Meyer, "Climb of a Bore on a Beach, Part 3: Run-up," *Jour. of Fluid Mechanics*, Vol. 16, 1963, pp 113-125
- Shen, M.C., "Wave Resonance Near Shore," *Waves on Beaches*, Academic Press, New York, 1972, pp 123-161
- Shen, M.C., "Some Recent Developments in Asymptotic Method for Tsunami Wave Propagation," In *Tsunami Research Symposium 1974, Wellington New Zealand, 29 Jan. - 1 Feb. 1974: Proc.*, eds. R.A. Heath and M.M. Cresswell, Roy. Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 19-27
- Shen, M.C., and R.E. Meyer, *Surface Wave Resonance on Continental and Island Slopes*, Technical Summary Report No. 781, Army Mathematics Research Center, University of Wisconsin, Madison, WI, Sept. 1967
- Shepard, F.P., "Depth Changes in Sagami Bay During the Great Japanese Earthquake," *Jour. Geol.*, Vol. 41, 1933, pp 527-536
- Shepard, F.P., G.A. Macdonald, and D. C. Cox, "The Tsunami of April 1, 1946," *Bulletin of the Scripps Institution of Oceanography of the University of California*, La Jolla, CA, University of California Press, 1950, pp 391-528, plates 6-33 (incl. 49 photos), 21 figures in text
- Shepherd, J.B., "Tsunami Hazard in the Caribbean," *Workshop on Volcanic and Seismic Hazards in the Eastern Caribbean, 28 May - 1 June 2001*
- Shi, S., *Observational and Theoretical Aspects of Tsunami Sedimentation*, Ph.D thesis, Coventry University, U.K., 1995, 333 pp
- Shi, S., A.G. Dawson, and D.E. Smith, "Geomorphological Impact of the Flores Tsunami of 12th December, 1992," *IUGG/IOC Inter. Tsunami Symposium, Wakayama, Japan, Aug. 23-27, 1993*, In *Tsunami: Progress in Prediction, Disaster Prevention*

- and Warning, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, The Netherlands, 1995, pp 187-196
- Shi, S., Alastair G. Dawson, and David E. Smith, Shibata, M., "One-dimensional Dispersive Deformation of Tsunami with Typical Initial Profiles on Continental Topographies," In *Tsunamis: Their Science and Engineering*, eds. J. Iida, and T. Iwasaki, Terra Science Pub. Co., Tokyo, 1983, pp 241-250
- Shigematsu, Takaaki, Masayoshi Hirose, and Kazuki Oda, "A Numerical Modeling of Generation and Propagation of Water Wave Generated by Landslide," In *Coastal Engineering 2002; Solving Coastal Conundrums: Proc. 28th International Conf., Cardiff, Wales, 7-12 July 2002*, World Scientific, New Jersey, ed. Jane McKee Smith, Vol. 1, 2003, pp 1,178-1,190
- Shimamoto, Toshihiko, Akito Tsutsumi, Eiko Kawamoto, Masahiro Miyawaki, and Hiroshi Sato, "Field Survey Report on Tsunami Disasters Caused by the 1993 Southwest Hokkaido Earthquake," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 665-691
- Shipley, A.M., "On Measuring Long-waves with a Tide Gauge," *Dt. Hydrogr. Z.*, Vol. 16, 1963, pp 136-140
- Shokin, Yu.I., L.B. Chubarov, V.A. Novikov, and A.N. Sudakov, "Calculations of Tsunami Travel Times Charts in the Pacific Ocean (Models, Algorithms, Techniques, Results)," *Science of Tsunami Hazards*, Vol. 5, No. 2, 1987, pp 85-113
- Shokin, Yurii I., and Leonid B. Chubarov, "Mathematical Modeling in Mitigating the Hazardous Effect of Tsunami Waves in the Ocean. A Priori Analysis and Timely On-line Forecast," *Science of Tsunami Hazards*, Vol. 13, No. 1, 1995, pp 27-43
- Shorten, Graham G., "Summary of Earthquake and Tsunami Damage Assessment in Port Vila (Vanuatu)," *Tsunami Newsletter*, Vol. 34, No. 1, Special Supplement, 2002, pp 1-5
- Showstack, Randy, "Sumatran Earthquake Spawns Devastating Tsunami," *EOS, Trans., Amer. Geophys. Union*, Vol. 86, No. 1, 4 Jan. 2005, p. 3
- Shreve, R.L., "Sherman Landslide, Alaska," *Science*, Vol. 154, No. 3757, 1966, pp 1,639-1,643
- Shuto, N., "Run-up of Long Waves on a Sloping Beach," *Coastal Eng. Japan*, JSCE, Vol. 10, 1967, pp 23-38
- Shuto, N., and C. Goto, "Numerical Simulation of Tsunami Run-up," *Coastal Engineering in Japan*, JSCE, Vol. 21, 1978, pp 13-20
- Shuto, N., "Special Report: The Nihonkai Chubu Earthquake Tsunami," *Tsunami Newsletter*, Vol. 16, No. 2, Dec. 1983, pp 31-40
- Shuto, N., "Tsunami Caused by the Japan Sea Earthquake of 1983," *Disasters*, Vol. 7, No. 4, 1983, pp 255-258
- Shuto, N., T. Suzuki, K. Hasegawa, and K. Inagaki, "Summary of a Study of Numerical Technique on the Tsunami Propagation and Runup," *Proc. Int. Tsunami Symp.*, eds. T.S. Murty and W.J. Rapatz, Inst. Ocean Sci., Sidney, B.C, Canada, 1985, pp 88-92
- Shuto, N., "The Nihonkai-Chubu Earthquake Tsunami on the North Akita Coast," *Coastal Engineering in Japan*, JSCE, Tokyo, Vol. 28, 1985, pp 255-264
- "Coastal Sedimentation Associated with the December 12th, 1992 Tsunami in Flores, Indonesia," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 525-536
- Shuto, Nobuo, Takao Suzuki, Ken'ichi Hasegawa, and Kazuo Inagaki, "A Study of Numerical Techniques on the Tsunami Propagation and Run-up," *Science of Tsunami Hazards*, Vol. 4, No. 2, 1986, pp 111-124
- Shuto, N., et al., "Numerical Simulation of Tsunami Propagation and Run-ups of Historical Tsunamis - Summary," In *Proc. International Tsunami Symposium, 1987*, NOAA, pp 184-187
- Shuto, N., "Effectiveness and Limit of Tsunami Control Forests," *Coastal Engineering in Japan*, JSCE, Vol. 30, 1987, pp 143-153
- Shuto, N., "Spread of Oil and Fire Due to Tsunamis," In *Proc. International Tsunami Symposium in Vancouver, 1987*, B.C., Canada, ed. E.N. Bernard, 1988, pp 188-204
- Shuto, Nobuo, "Numerical Simulation of Tsunamis: Its Present and Near Future - Extended Abstract," In *Tsunamis: Their Science and Hazard Mitigation, Proceedings of the International Tsunami Symposium, July 31-3 Aug. 1989, Novosibirsk, USSR*, ed. V.K. Gusiakov, Computing Center, Siberian Division, USSR Academy of Sciences, USSR, 1990, pp 35-39
- Shuto, N., "Numerical Simulation of Tsunamis - Its Present and Near Future," *Natural Hazards*, Special Issue, ed. E.N. Bernard, Kluwer Academic Pub., The Netherlands, Vol. 4, Nos. 2 and 3, 1991, pp 171-191
- Shuto, N., "Historical Changes in Characteristics of Tsunami Disasters," In *Natural Disaster Reduction and Civil Engineering*, 1991, pp 77-86
- Shuto, N., "Tsunami Intensity and Disasters," In *Tsunami in the World: Fifteenth International Tsunami Symposium, 1991*, ed. S. Tinti, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993, pp 197-216
- Shuto, H., H. Matsutomi, Y. Tsuji, H. Ito, Y. Suzuki, et al., "Hokkaido Nansei-Okai Tsunami, 12 July 1993," *Tsunami Newsletter*, Vol. 25, No. 2, Dec. 1993, pp 2-8
- Shuto, N., *Tsunami Runup Heights for the Hokkaido-Nansei-Okai Earthquake*, Tsunami Engineering Tech. Rept., Disaster Control Research Center, Tohoku Univ., Japan, 1994, 120 pp
- Shuto, Nobuo, "Damage to Houses Caused by 1993 Hokkaido-Okai Tsunami," *Proc. 3rd UJNR Tsunami Workshop*, eds. Shigenobu Tanaka and Kenji Noguchi, PWRI Technical Memo. No. 3315, Tsukuba, Japan, 1994, pp 102-110
- Shuto, N., K. Chida, and F. Imamura, "Generation Mechanism of the First Wave of the 1983 Nihonkai-Chubu Earthquake Tsunami," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 37-54
- Shuto, N., "Tsunami: Disasters and Defence Works in Case of The 1993 Hokkaido-Okai Earthquake Tsunami," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Pub., The Netherlands, 1995, pp 263-276
- Shuto, N., and H. Matsutomi, "Field Survey of the

- 1993 Hokkaido-Oki Earthquake Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 649-663
- Shuto, N., "A Natural Warning of Tsunami Arrival," Shuto, N., "Traffic Hindrance After Tsunamis," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 65-74
- Shuto, Nobuo, "Damages to Houses by the 1964 Tsunami in Crescent City, California," *21st International Tsunami Symposium, IUGG XXIII General Assembly, June 30-July 11, 2003, Sapporo, Japan: Abstracts*, p. B144 <http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/main.html>
- Sieberg, A., "Die Erdbebenatigkeit in Deutsch - Neuguinea (Kaiser-Wilhelmsland und Bismarkarchipel)," *Petermanns Geographische Mitt.*, II, Heft 2/3, 1910
- Sieberg, A., and B. Gutenberg, "Das Erdbeben in der Chilenischen Provinz Atacama am 10 November 1922," *Reichsanstalt f. Erdbebenforsch*, Jena, Veroff, No. 3, 1924, pp 10-28
- Sieberg, A., "Erdbebengeographie," *Handbuch der Geophysik*, Vol. 4, 1932, pp 687-1005 (see p. 911)
- Sielecki, A., and M.G. Wurtele, "The Numerical Integration of the Nonlinear Shallow-water Equations with Sloping Boundaries," *Jour. Computational Physics*, Vol. 6, 1970, pp 219-236
- Sievers, Hellmuth A., Guillermo Villegas, and Guillermo Barros, "The Seismic Sea Wave of 22 May 1960 Along the Chilean Coast," (translated from Spanish to English by P. Saint-Amant), *Bull. Seismol. Soc. Amer.*, Vol. 53, No. 6, Dec. 1963, pp 1,125-1,190
- Sigrist, Dennis, "Scenes of Destruction from Hokkaido Tsunami," *Science of Tsunami Hazards*, Vol. 11, No. 2, 1993, pp 122-124
- Sigrist, Dennis J., "July 12, 1993, Hokkaido Nansei-Oki Tsunami: Effects and Observations in Japan, Russia, Democratic People's Republic of Korea, and Republic of Korea," *Proc. 3rd UJNR Tsunami Workshop, Osaka, Japan*, eds. Shigenobu Tanaka and Kenji Noguchi, PWRI Tech. Memo. No. 3315, Tsukuba, Japan, 1994, p. 81
- Sigrist, D.J., "Tsunamis in Guam," *Tsunami Newsletter*, Vol. 27, 1995, p. 20
- Sigrist, Dennis, and Salvador Farreras, "Standards for Tsunami Surveying," In *Report of the International Tsunami Measurements Workshop, Estes Park, CO, USA, June 28-29, 1995*, co-conveners James F. Lander and Harry Yeh, 1995, pp 69-76
- Sigurdson, G., and R.L. Wiegel, "Solitary Wave Behavior at Concave Barriers," *The Port Engineer (Calcutta)*, 1962, pp 4-8; also, Univ. California, Berkeley, CA, Inst. Engrg. Res. (IER), Tech. Rept. Series 89, Issue 7, April 1962, 18 pp
- Sigurdsson, H.R., "Volcanic Tsunamis," In *Summary Report of the UNESCO IOC IOCARIBE Tsunami Warning Workshop, UNESCO International Conference on Tsunamis, St. John, U.S. Virgin Islands, May 1996*, UNESCO, Paris
- Silgado, E., "Historia de los Grandes Tsunamis Producidos en America del Sur," *CERESIS*, Lima, Peru, 1974
- In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 157-173
- Silgado, E., "Recurrence of Tsunamis in the Western Coast of South America," *Marine Geodesy*, Vol. 1, No. 4, 1978, pp 347-355
- Silva, A.J., C.D.P. Baxter, P.T. LaRosa, and W.R. Bryant, "Investigation of Mass Wasting on the Continental Slope and Rise," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 355-366
- Simkin, Tom, and Richard S. Fiske, with the collaboration of Sarah Melcher and Elizabeth Nielsen, *Krakatau 1883: The Volcanic Eruption and Its Effects*, Smithsonian Institution Press, Wash. D.C., 1983, 464 pp
- Singh, R., "Tsunamis in Fiji and Their Effects," prepared for the Workshop on Coastal Processes in the South Pacific Island Nations, Lae, Papua New Guinea, 1-8 October 1987, *SOPAC Technical Bulletin*, Vol. 7, 1991, pp 107-130
- Singh, S.K., L. Astiz, and J. Havskov, "Seismic Gaps and Recurrence Periods of Large Earthquakes Along the Mexican Subduction Zone: A Re-examination," *Bull. Seis. Soc. Amer.*, Vol. 74, 1984, pp 267-279
- Sipress, Alan, (Washington Post), "Horror: Survivors Return to Find a Grisly Scene in Aceh," *San Francisco Chronicle*, CA, 29 Dec. 2004, p. A14
- Sipress, Alan, and Ellen Nakashima (Washington Post), "Horror in Aceh Revealed; Near Epicenter: Villages, Bridges Gone - Island's Toll May be 80,000," *San Francisco Chronicle*, CA, 31 Dec. 2004, pp A1 and A14
- Sklarz, A., L.Q. Spielvogel, and H. Loomis, "Numerical Simulation of the November 29, 1975 Island of Hawaii Tsunami by the Finite Element Method," *Jour. Physical Ocean.*, Vol. 9, No. 5, 1979
- Sklarz, M.A., and L.Q. Spielvogel, "Transient Tsunami Response by the Finite Element Method," In *Symposium on Long Waves in the Ocean. National Research Council, Ottawa, Canada, June 6-9, 1978*, Dept. Fisheries and the Environment, Ottawa, 1979, pp 102-107
- Slatkin, M.W., "Long Waves Generated by Ground Motion," *Jour. Fluid Mech.*, Vol. 48, 1971, pp 81-90
- Slavin, Barbara, "Rush of Donations from USA is Immediate and Immense," (Indian Ocean/ Sumatra tsunami), *USA Today*, 30 Dec. 2004, pp 1A and 2A
- Slingerland, Rudy, and Barry Voight, *Occurrences, Properties, and Predictive Models of Landslide-generated Water Waves*, The Pennsylvania State Univ., Dept. of Geoscience, 3030 Deike Bldg., University Park, PA 16802, Dec. 1976, 43 pp and appendices
- Slingerland, R., and B. Voight, "Occurrences, Properties and Predictive Models of Landslide-generated Water Waves," In *Rockslides and Avalanches, Engineering Sites*, ed. B. Voight, Elsevier, Amsterdam, 1979, Ch. 9, pp 317-397
- Slingerland, R., and B. Voight, "Evaluating Hazard of Landslide-induced Water Waves," *Jour. Waterway, Port, Coastal and Ocean Div., Proc. ASCE*, Vol. 108, No. WW4, 1982, pp 504-512; "Discussion" by Andreas Huber, and "Closure," Vol. 110, No. 1, Feb. 1984, pp

111-114

- Smit, J., T.B. Roep, W. Alvarez, A. Montanari, P. Claeys, N.J.M. Grajales, and J. Bermudez, "Coarse-grained, Clastic Sandstone Complex at the K/T Boundary Around the Gulf of Mexico; Deposition by Tsunami Waves Induced by the Chicxulub Impact?," In *The Cretaceous-Tertiary Event and other Catastrophes in Earth History*, eds. G. Ryder, D. Fastovsky, and S. Gartner, Geological Soc. Amer., 1996, pp 151-182
- Smith, Charles E., Robert G. Bea, and Tatsuo Uwabe, compilers, *Proceedings of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (held at University of California, Berkeley, CA, January 17-19, 1995), 1995, 467 pp. (Note, no publisher listed; Professor Robert G. Bea is in the Dept. Civil & Environmental Engrg., at UCB)
- Smith, D.E., "Tsunami Waves in the North Sea," *New Scientist*, 4 Aug. 1990, pp 46-49
- Smith, R.A., *Annotated Bibliography on Water Waves Caused by Explosions - 1946 to 1966*, DASIAC Special Report 58, DASA Information and Analysis Center, Wash. D.C., April 1967
- Smith, S.M., H.W. Menard, and G. Sharmon, *World-Wide Ocean Depths and Continental Elevations Averaged for Areas Approximating One Degree Squares of Latitude and Longitude*, SIO Reference 65-8, Scripps Inst. Ocean, Univ. of Calif., La Jolla, CA, March 1966
- Smith, W.H.F., and D.T. Sandwell, "Global Seafloor Topography from Satellite Altimetry and Ship Depth Soundings," *Science*, Vol. 277, 26 Sept. 1997, pp 587-594
- Snodgrass, F.E., "Shore-based Recorder of Low-frequency Ocean Waves," *Trans., Amer. Geophys. Union*, Vol. 39, 1958, pp 109-120
- Snodgrass, F.E., Walter H. Munk, and M.J. Tucker, "Off-shore Recording of Low-frequency Ocean Waves," *Trans., Amer. Geophys. Union*, Vol. 39, 1958, p. 114
- Snodgrass, F.E., W.H. Munk, and G.R. Miller, "Long-period Waves Over California's Continental Borderland. Part I. Background Spectra," *Jour. Marine Research*, Vol. 20, 1962, pp 3-30
- Snodgrass, F.E., "Deep Sea Instrument Capsule," *Science*, Vol. 162, 1968, pp 78-87
- Sokolowski, T.J., and G.R. Miller, "Automatic Epicenter Locations from a Quadripartite Array," *Bull. Seis. Soc. Amer.*, Vol. 57, 1967, pp 269-275
- Sokolowski, T.J., and G.R. Miller, "Identification of Source Region from a Single Seismic Record," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 135-147
- Sokolowski, Thomas J., "Automation Highlights of the Pacific and Alaska Tsunami Warning Center," in two parts, *Tsunami Newsletter*, Vol. 16, No. 1, May 1983, pp 1-5; Vol. 16, No. 2, Dec. 1983, pp 1-8
- Sokolowski, Thomas J., G.R. Fuller, M.E. Blackford, and W.J. Jorgensen, "The Alaska Tsunami Warning Center's Automatic Earthquake Processing System," In *Proc. International Tsunami Symposium, Hamburg, Germany, 1983*, ed. E.N. Bernard, NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 131-147
- Sokolowski, Thomas J., "The Alaska Tsunami Warning Center's Responsibilities and Operations," *Science of Tsunami Hazards*, Vol. 3, No. 1, 1985, pp 23-33
- Sokolowski, T.J., "Improvements in the Tsunami Warning Center in Alaska," *Earthquake Spectra*, Vol. 7, 1991, pp 461-481
- Sokolowski, T.J., "Regional Tsunami Potential Earthquake Alaska - Are We Prepared?" In *Proc. of a Conf. on Status of Knowledge for the Earthquake Hazard in Alaska*, Nov. 19-20, 1992, Anchorage, Alaska, U.S. Geological Survey, eds. R.A. Combellick, R. D. Heal, and R.G. Updike, U.S. Geological Survey Open File Report, 1994
- Sokolowski, Thomas J., "The West Coast/Alaska Tsunami Warning Center," In *Tsunami Hazard Mitigation Symposium Proceedings*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, pp 23-26
- Sokolowski, Thomas J., "The U.S. West Coast and Alaska Tsunami Warning Center," *Science of Tsunami Hazards*, Vol. 17, No. 1, 1999, pp 49-56
- Solem, Johndale C. "Comet and Asteroid Hazards: Threat and Mitigation," *Science of Tsunami Hazards*, Vol. 17, No. 3, 1999, pp 141-154
- Solomon, Jay, and John Larkin, "Along Indian Ocean's Coast, Waves Wash Away a Livelihood," *The Wall Street Journal*, 4 Jan. 2005, pp A1 and A8
- Soloviev, S.L., and M.D. Ferchev, "Summary of Data on Tsunamis in the USSR," *Bulletin of the Council for Seismology*, Academy of Sciences of the U.S.S.R., No. 9, 1961, pp 23-55, translated from Russian to English by Wilvan G. Van Campen, Hawaii Institute of Geophysics, Univ. of Hawaii, Honolulu, HI, Trans. Series No. 9, 1961, 37 pp, 3 figs., 2 tables)
- Soloviev, S.L., and Ch. N. Go, *Catalog of Tsunami in the Pacific*, USSR, Moscow, 1969
- Soloviev, S.L., "Recurrence of Tsunamis in the Pacific," In *Tsunamis in the Pacific Ocean; Proc. Int. Symp. on Tsunamis and Tsunami Research, Honolulu, 1969*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 149-163
- Soloviev, S.L., and Ch.N. Go, *Catalog of Tsunamis on the Western Shore of the Pacific Ocean*, Nauka Publishing House, Moscow, USSR, 1974, 310 pp
- Soloviev, S.L., A.V. Nekrasov, V.G. Bukhteev, and R.V. Pyaskovsky, "Materials for Preliminary Tsunami Zonation of Kurile-Kamchatka Coast Based on Hydrodynamical Calculations," In *Tsunami Research Symposium 1976, Wellington, New Zealand, 29 Jan. - 1 Feb., 1974, Proceedings*, eds. R.A. Heath and M.M. Cresswell, Royal Society of New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 29-38
- Soloviev, S.L., V.M. Popov, ... G.R. Miller, et al., *Preliminary Results of the First Soviet-American Tsunami Expedition*, Hawaii Institute of Geophysics, Univ. Hawaii, Honolulu, Rept. HIG 76-8, 1976, 74 pp
- Soloviev, S.L., "Tsunamis," In *Assessment and Mitigation of Natural Hazard, I, UNESCO, Paris, 1978*, UNESCO, 1979, pp 118-139
- Soloviev, S.L., "All-Union Conference on Tsunamis in Vladivostok, USSR," (10-14 June 1980), *Tsunami Newsletter*, Vol. 13, No. 3, Dec. 1980, pp 18-23
- Soloviev, S.L., A.I. Ivashchenko, and A.A.

- Poplavsky, "The All-Union Meeting on Tsunami in Yuzhno-Sakhalinsk," *Science of Tsunami Hazards*, Vol. Soloviev, S.L., and Ch. N. Go, *A Catalog of Tsunamis on the Western Shore of the Pacific Ocean*, Academy of Science of the USSR, Nauka Publishing House, Moscow, 1974 (310 pp). Translated from Russian to English by Canadian Institute for Science and Technical Information, No. 5077, National Research Council, Ottawa, Canada, 1984, 439 pp
- Soloviev, S.L., and E.A. Kulikov, "Spectral Analysis of Mareograms from Urup Tsunamis of 13 and 20 October 1963," *Science of Tsunami Hazards*, Vol. 5, No. 2, 1987, pp 57-63
- Soloviev, S.L., "Mediterranean Tsunamis and Their Comparison with Pacific Tsunamis," *Izvestiya, Earth Physics*, Vol. 25, No. 11, 1989
- Soloviev, S.L., V.D. Larichev, B.I. Sebekin, and V.V. Zmur, "Memorium to Sergei Sergeevich Voit (1920-1987)," *Science of Tsunami Hazards*, Vol. 7, No. 1, 1989, pp 55-63 (includes list of publications by Professor Voit)
- Soloviev, S.L., "Tsunamigenic Zones in the Mediterranean Sea," *Natural Hazards*, Vol. 3, No. 2, 1990, pp 183-202
- Soloviev, S.L., "Survey of Research Studies and Technological Development on the Problem of Tsunami in the USSR in 1987-1989," *Science of Tsunami Hazards*, Vol. 8, No. 1, 1990, pp 3-33
- Soloviev, S.L., "Sanak-Kodiak Tsunami of 1788," In *Problems in Tsunami: The Tsunami Problem, Questions about the Formative and Spreading of Disastrous Sea Waves Caused by Earthquakes and Their Prediction*, USSR Academy of Science, Moscow, 1967. Translated into English in *Science of Tsunami Hazards*, Vol. 8, 1991, pp 34-38
- Soloviev, S.L., Ch.N. Go, and Kh.S. Kim, *A Catalog of Tsunamis in the Pacific, 1969-1982*, (translated from Russian to English by Amerind Publishing Co. Pvt. Ltd., New Delhi, 1988), Academy of Sciences of the USSR, Soviet Geophysical Committee, Moscow, 1992, 207 pp, 80 figures, 8 maps, 46 tables (available at NOAA, National Geophysical Data Center, Boulder, CO)
- Soloviev, S.L., M.L. Campos-Romero, and N.L. Plink, "Orleansville Tsunami of 1954 and El-Asnam Tsunami of 1980 in the Alboran Sea (Southwestern Mediterranean Sea)," *Izvestiya, Earth Physics*, Vol. 28, No. 9, 1992, pp 739-760
- Soloviev, S.L., and R. Kh. Mazova, "On the Influence of the Sign of the Leading Tsunami Wave on the Height of Run-up on the Coast," *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994, pp 25-31
- Soloviev, Sergey L., *Professor, 1930-1994, Memorium*, by Anon., *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994, pp 60-62. Also, "In Memory of Professor Sergei Soloviev (1930-1994)," by Slava Gusiakov and George Curtis, *Tsunami Newsletter*, Vol. 26, No. 1, July 1994, pp 1-2
- Soloviev, Sergey L., Olga N. Solovieva, Chan N. Go, Khen S. Kim, and Nikolay A. Shchetnikov, *Tsunamis in the Mediterranean Sea, 2000 B.C. - 2000 A.D.*, translated by Gil B. Pontecorvo and Vasily I. Tropin, Kluwer Academic Pub., The Netherlands, 2000, 237 pp
- Somerville, Paul, Hong Kie Thio, and Gene Ichinose, *Probabilistic Tsunami Hazard Analysis*, Pasadena, CA, 2, No. 1, 1984, pp 19-26
- Office, URS Corporation, 2005, 6 pp; Email paul\_somerville@urscorp.com
- Sondhi, V.P., "The Makran Earthquake, 28th November, 1945, the Birth of New Islands" *Indian Minerals*, Vol. 1, No. 3, 1947, pp 147-154
- Sousa Moreira, V., "Historical and Recent Tsunamis in the European Area," *Science of Tsunami Hazards*, Vol. 6, 1988, pp 37-42
- South Pacific Disaster Reduction Programme, "Torba Province is Vulnerable Region after Tsunami," *Hazardous Times*, No. 5, May 1997, pp 5-6
- Southern California Edison Co., *San Onofre Nuclear Generating Station, Units 2 and 3. Preliminary Safety Analysis Report, Amendment 17*, Rosemead, CA, Report No. Docket-50362-38, 18 April 1973, 339 pp
- Spaeth, M.G., *Communications Plan for Seismic Sea Wave Warning System*, U.S. Coast and Geodetic Survey, 1962, 79 pp
- Spaeth, Mark G., Compiler and Editor, *Annotated Bibliography on Tsunamis*, prepared in the U.S. Coast and Geodetic Survey in response to a resolution during the XIII General Assembly of the IUGG on 21 August 1963, International Union of Geodesy and Geophysics, Paris, IUGG Monograph No. 27, May 1964, 249 pp, (1778 refs.)
- Spaeth, M.G., and S. C. Berkman, *The Tsunami of March 28, 1964 as Recorded at Tide Stations*, U.S. Coast and Geodetic Survey, April 1965, 59 pp
- Spaeth, M.G., and S. C. Berkman, *The Tsunami of March 28, 1964, as Recorded at Tide Stations*, ESSA, U.S. Coast and Geodetic Survey, Tech. Bulletin 33, 1967, 86 pp
- Spaeth, M.G., *Wave Reporting Procedures for Tide Observers in the Tsunami Warning System*, U.S. Coast and Geodetic Survey, Rept. No. C/GS-Pub-30-3 (Rev.), June 1970, 48 pp
- Spaeth, M.G., and S.C. Berkman, "Tsunami of March 28, 1964, as Recorded at Tide Stations and the Seismic Sea Wave Warning System," In *The Great Alaska Earthquake of 1964, Oceanography and Coastal Engineering*, National Academy of Sciences, Washington, D.C., 1972, pp 38-110
- Spaeth, M.G., "Tsunamis," In *United States Earthquakes*, eds. J.L. Coffman and C.A. von Hake, NOAA, Boulder, CO, 1975, pp 71-72
- Spielvogel, Lester Q., "Runup of Single Waves on a Sloping Beach," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO Press, 1976, pp 113-119
- Spielvogel, L., *Final Report. 1976 Joint Soviet American Tsunami Expedition*, Hawaii Institute of Geophysics, Univ. Hawaii, Honolulu
- Sprinks, T., and R. Smith, "Scale Effects in a Wave-refraction Experiment," *Jour. Fluid Mech.*, Vol. 129, 1983, pp 455-471
- Stanley, Albert A., "Crescent City - (sic, Seismic) Sea Wave," *Shore and Beach*, Vol. 32, No. 1, April 1964, p. 29

- Stanley, Bruce, and Patrick Barta, "A One-Two Punch for Tourism," *The Wall Street Journal*, 30 March Stauder, W., "Mechanism and Spatial Distribution of Chilean Earthquakes with Relation to Subduction of the Oceanic Plate," *Jour. Geophys. Res.*, Vol. 73, 1973, pp 5,033-5,061
- Stein, D., et al., "Reducing Earthquake and Tsunami Hazards in Pacific Northwest Ports and Harbors - Protecting Our Ports and Harbors Project," In *Proc. International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program, Seattle, Washington, Aug. 7-10, 2001*, NOAA. Pacific Marine Environmental Lab., on a CD, 2001, pp 343-348
- Stein, S., and E.A. Okal, "Speed and Size of the Sumatra Earthquake," *Nature*, Vol. 31, No. 434, 2005, pp 581-582
- Steinbrugge, Karl V., and William K. Cloud, "The Earthquake at Hebgen Lake, Montana on August 18, 1959 (GCT): Epicentral Intensities and Damage," *Bull. Seis. Soc. Amer.*, Vol. 52, No. 2, 1962, pp 181-234
- Steinbrugge, Karl V., *Earthquakes, Volcanoes, and Tsunamis: An Anatomy of Hazards*, Skandia America, New York, 1982, 392 pp
- Stephenson, Fred, and Josef Cherniawsky, "Modelling Tsunami Heights and Currents in Canadian West Coast Harbours from Cascadia Megathrust Earthquake," *Tsunami Newsletter*, Vol. 34, No. 6, Dec. 2002, pp 7-9
- Sterling, Gordon H., Billy L. Edge, Charles C. Calhoun, Jr., Thomas H. Christensen, John R. Headland, and Stephen A. Curtis, "Letters: Consequences Exaggerated?," in regard to: "Could It Happen Here?," by J. Borrero, S. Cho, J.E. Moore II, H.W. Richardson, and C. Synolakis, in *Civil Engineering* (April 2005), *Civil Engineering*, Vol. 75, No. 7, July 2005, pp 8-9
- Stevenson, David, "Tsunamis and Earthquakes: What Physics is Interesting?," *Physics Today*, Vol. 68, No. 6, June 2005, p. 10
- Stevenson, Vera, and Jenta Winternitz (translators), "The Tsunami Problem," by E.F. Savarensky, *Bull. Council for Seismology, Academy of Sciences of the USSR*, No. 2, 1956, pp 3-7; Translation Series No. 7, East-West Center, Hawaii Inst. of Geophysics, Univ. of Hawaii, Honolulu, 1960
- Stevenson, Vera (translator), *Tsunami-Destructive Waves Originating with Underwater Earthquakes in Seas and Oceans*, by A.E. Svyatlovski, Publishing House of the Academy of Science USSR, Moscow, 1957; Hawaii Inst. Geophysics, Translation Series No. 8, Univ. Hawaii, Honolulu, HI, 1961, 49 pp
- Stoker, J.J., "The Formation of Breakers and Bores," *Comm. Appl. Math.*, Vol 1, 1948, pp 1-87
- Stoker, J.J., *Water Waves*, Interscience Publishers, Inc., NY, 1957, 567 pp
- Stone, Greg, "After the Storm. A Team of Scientists-Divers Predict Quick Recovery for Most Reefs Pounded by Last Year's Killer Waves," (Indian Ocean [Sumatra] tsunami of 26 Dec. 2004), *National Geographic*, Vol. 208, No. 8, Dec. 2005, 3 pages, no page numbers, but near front in the section Geogrphica
- Stone, Richard, "A Race to Beat the Odds," *Science*, Vol. 307, No. 5709, 28 Jan. 2005, pp 502-504
- 2005, p. A14
- Stonely, Robert, "The Propagation of Tsunamis," *Geophysical Journal*, Vol. 8, No. 1, Sept. 1963, pp 64-81
- Stothers, Richard B., "The Great Tambora Eruption in 1815 and Its Aftermath," *Science*, Vol. 224, No. 4654, 15 June 1984, pp 1,191-1,198 and cover
- Strand, Carl and John Masek, editors, *Sumatra-Andaman Islands Earthquake and Tsunami of December 26, 2004 Lifeline Performance, Preliminary*, ASCE, Technical Council on Lifeline Earthquake Engineering (TCLEE), Monograph No. 29, Oct. 2005, 258 pp
- Street, R.L., S.J. Burgess, and P.W. Whitford, *The Behavior of Solitary Waves on a Stepped Slope*, Dept. Civil Engrg., Stanford Univ., Palo Alto, CA, Tech. Rept. No. 93, Aug. 1968
- Street, R.L., and F.E. Camfield, "Observations and Experiments on Solitary Wave Deformation," *Proc. 10th Conf. on Coastal Engineering*, ed. J.W. Johnson, ASCE, Ch. 19, 1967, pp 284-301
- Street, R.L., R.K.C. Chan, and J.E. From, "The Numerical Simulation of Long Water Waves. Progress on Two Fronts," *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. of Hawaii, Honolulu, HI, Ch. 30, 1970, pp 453-473
- Striem, H.L., and T. Miloh, "Tsunamis Induced by Submarine Slumpings Off the Coast of Israel," Israel Atomic Energy Commission, July 1975, 23 pp; also, *Int. Hydrogr. Rev.*, Vol. 53, No. 2, 1976, pp 41-55
- Structural Engineers Association of Hawaii, *Tsunami Subcommittee Report, October 1972*, 38 pp and appendices
- Su, Chih-Lan, "Asymptotic Solutions of Resonances in Harbors with Connected Basins," *Jour. Waterways, Harbors, and Coastal Engrg. Div.*, *Proc. ASCE*, Vol. 99, No. WW3, Aug. 1973, pp 373-392
- Su, G.H., and C.S. Gardner, "Korteweg-de Vries Equation and Generalization. 3. Derivation of Korteweg-de Vries and Burgers Equations," *Jour. Mathematical Physics*, Vol. 10, 1969, pp 536-
- Submarine-Slump-Generated Tsunamis*, ed. David R. Tappin, *Marine Geology*, Vol. 203, Issues 3-4, 30 Jan. 2004, pp 199-386. For more detail, see Tappin, D.P., ed.
- Suda, Kanji, "On the Great Japanese Earthquake of September 1, 1923; the Observations of the Tsunami," *Memoirs of the Imperial Marine Observatory, Kobe, Japan*, Vol. 1, 1924, pp 137-239, 7 tables and 31 plates
- Suleimani, E.N., R.A. Combellick, R.A. Hansen, and G.A. Carver, "Tsunami Hazard Mapping of Alaska Coastal Communities," *Alaska GeoSurvey News*, Vol. 6, No. 2, June 2002, pp 1-5  
<http://www.dggs.dnr.state.ak.us>
- Sullivan, Rohan, "Tsunami's Corpse Lagoon," *San Francisco Examiner*, CA, 20 July 1998, pp A1 and A12
- Sumatra Earthquake and Tsunami of 26 December 2004*. Newspaper articles collected by Robert L. Wiegel, 27 December 2004 - 11 February 2005 (175 articles); in University of California Water Resources Center Archives, Berkeley, CA 94720-1718



- Sunarjo, "Experience in Handling the Flores Earthquake-Tsunami of Dec. 12, 1992," *Proc. Int. Tsunami Symposium in Wakayama, 1993*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Pub., Dordrecht, The Netherlands, 1995, pp 861-869
- Suzuki, Ziro, and K. Kakamura, "On the Heights of the Tsunami on March 4, 1952, in the District Near Erimo-misaki," *Science Reports of Tohoku Univ.*, Japan, Series 5, Geophysics, Vol. 4, 1953, pp 139-142
- Suzuki, Ziro, K. Noritomi, J. Oosaka, and A. Takagi, "On the Tsunami in Sanriku District Accompanying the Tokachi Earthquake of March 4, 1952," *Science Reports of Tohoku Univ.*, Japan, Series 5, Geophysics, Vol. 4, 1953, pp 134-148
- Suzuki, Z., "The Tsunami Accompanying the Tokachi-Oki Earthquake, 1969," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 85-97
- Svendsen, I.A., and J. Hansen, "On the Deformation of Periodic Long Waves over a Gently Sloping Bottom," *Jour. Fluid Mech.*, Vol. 87, Part 3, 1978, pp 433-448
- Svyatlovski, A.E., *Tsunamis; Destructive Waves Originating with Underwater Earthquakes in Seas and Oceans*, USSR Acad. Sci., Council for Seismology, Moscow, 1957. Translation No. 8, Hawaii Inst. Geophys., (Vera Stevenson, translator), Univ. of Hawaii, 1961, 49 pp
- Swan, D., *Acoustic Imaging of the Sea Bed in Northern Kitimat Arm, British Columbia*, B.Sc. thesis, Univ. British Columbia, Vancouver, B.C., Canada, 1978, 72 pp
- Sweet, S., and E.A. Silver, "Tectonics and Slumping in the Source Region of the 1998 Papua New Guinea Tsunami from Seismic Reflection Images," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,945-1,968
- Sykes, Lynn R., "Aftershock Zones of Great Earthquakes, Seismicity Gaps, and Earthquakes Prediction for Alaska and the Aleutians," *Jour. of Geophysical Research*, Vol. 76, No. 32, 10 Nov. 1971, pp 8,021-8,041
- Sykes, Lynn R., Jerome B. Kisslinger, Leigh Howe, John N. Davies, and Klaus H. Jacobs, "Rupture Zones of Great Earthquakes in the Alaska-Aleutian Arc," *Science*, Vol. 210, 1980, pp 1,343-1,345
- Symons, G., *The Eruption of Krakatoa and Subsequent Phenomena*, Report of the Krakatau Committee, Royal Society, London, 1888, 376 pp
- Symons, J.M., and B.D. Zetler, *The Tsunami of May 22, 1960, as Recorded at Tide Stations: Preliminary Report*, U.S. Coast and Geodetic Survey, 1961, 39 pp
- Symposium on Tsunamis, Ensenada, Baja California, Mexico, March 23-26, 1977: Proceedings*, printed by Marine Environmental Data Services, Dept. of Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Report Series No. 48, 1978, 285 pp
- Synolakis, Costas Emmanuel, *The Run-up of Long Waves*, Ph.D. thesis, California Institute of Technology, Pasadena, CA, 1986
- Synolakis, C.E., "Runup of Solitary Waves," *Jour. Synolakis, C.E., J.P. Bardet, H.L. Davies, E.A. Fluid Mechanics*, Vol. 185, 1987, pp 523-545
- Synolakis, C.E., "The Runup and Reflection of Solitary Waves," In *Coastal Hydrodynamics*, ed. R.A. Dalrymple, 1987, pp 523-545
- Synolakis, C.E., and E.J. Skjelbreia, "On the Anomalous Behavior of the Runup of Cnoidal Waves," *Physics of Fluids*, Vol. 31, 1988, pp 1-4
- Synolakis, Costas Emmanuel, "Are Solitary Waves the Limiting Waves in the Long Wave Runup?" *Proc. 21st Inter. Conf. on Coastal Engineering, Costa del Sol, Malaga, Spain, 1988*, ed. Billy L. Edge, ASCE, 1989, pp 219-233
- Synolakis, Costas E., "The Maximum Runup of Cnoidal Waves," In *Tsunamis: Their Science and Hazard Mitigation: Proc. International Tsunami Symposium, July 31-Aug. 3, 1989, Novosibirsk, USSR*, ed. V.V. Gusiakov, Computing Center, Siberian Div., USSR Academy of Sciences, 1990, pp 95-100
- Synolakis, Costas Emmanuel, "Generation of Long Waves in the Laboratory," *Jour. Waterway, Ports, Coastal and Ocean Engineering*, ASCE, Vol. 116, No. 2, 1990, pp 252-266
- Synolakis, Costas Emmanuel, "Tsunami Runup on Steep Slopes: How Good Linear Theory Really Is," *Natural Hazards*, Vol. 4, 1991, pp 221-234
- Synolakis, C.E., and J.L. Skjelbreia, "Evolution of Maximum Amplitude of Solitary Waves on Plane Beaches," *Jour. Waterways, Port, Coastal and Ocean Engrg.*, ASCE, Vol. 119, No. 3, May/June 1993, pp 323-342
- Synolakis, C.E., and V.A. Titov, "A Numerical Study of Wave Run-up of the September 2, 1992 Nicaraguan Tsunami," In *Proc. ITSU 1993, Wakayama, Japan, 23-27 August 1993*, eds. T. Tsuchiya and N. Shuto, Kluwer Acad. Pub. Co., The Netherlands, 1995, pp 627-635
- Synolakis, Costas Emmanuel, and Fumihiko Imamura, "Field Survey of the 11/15/94 Mindoro, Philippines Tsunami," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. Calif., Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. California, Berkeley, CA, 1995, pp 189-199
- Synolakis, C.E., F. Imamura, et al., "Damage Conditions of East Java Tsunami of 1994 Analyzed," *EOS, Trans., AGU*, Vol. 76, 1995, pp 257 and 261-262
- Synolakis, Costas, Philip Liu, George Carrier, and Harry Yeh, "Tsunamigenic Sea-floor Deformations," *Science*, Vol. 278, No. 5358, 24 Oct. 1997, pp 598-600
- Synolakis, C.E., D. McCarthy, V.V. Titov, and J. Borrero, "Evaluating the Tsunami Risk in California," In *California and the World Oceans '97, San Diego, CA, March 24-27, 1997: Conf. Proc.*, eds. O.T. Magoon, H. Converse, B. Baird, and M. Miller-Henson, ASCE, 1998, pp 1,225-1,236
- Synolakis, C.E., et al., "The First Generation of Tsunami Inundation Maps for the State of California," In *Proc. of the International Tsunami Symposium 2001 and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, August 7-10, 2001, NOAA, Pacific Marine Environmental Lab., Seattle, WA, on a CD, pp 279-281
- Okal, E.A. Silver, S. Sweet, D.R. Tappin, "The Slump

- Origin of the 1998 Papua New Guinea Tsunami," *Proc. Roy. Soc. (London)*, Ser. A, Vol. 458, 2002, pp 763-789
- Synolakis, Costas E., Fred Raichlen, Jose Borrero, and Burak Uslu, "Waves and Runup Generated by a Three Dimensional Sliding Mass," In *21st International Tsunami Symposium, IUGG XXIII Congress, Sapporo, Japan, 8-9 July 2003: Abstracts*, p. B.147
- Synolakis, C.E., "Tsunami and Seiche," In *Earthquake Engineering Handbook*, eds. W.F. Chen and C. Scawthorn, CRC Press, Washington D.C., 2004, pp 1-9 to 1-90
- Synolakis, Costas, "Why There Was No Warning," *The Wall Street Journal*, 29 Dec. 2004, p. A8
- Synolakis, Costas, "India Must Cooperate on Tsunami Warning System," *Nature*, Vol. 434, 3 March 2005, pp 17-18
- Synolakis, Costas, "Official Statement from Professor Synolakis About the March 28, 2005 Event," *Tsunami Research Center, Univ. Southern California*, 28 March 2005, 1 page  
<http://www.usc.edu/dept/tsunamis/2005/news/news./html>
- Synolakis, Costas, Emile Okal, and Eddie Bernard, "The Megatsunami of December 26, 2004," *The Bridge*, National Academy of Engineering, Vol. 35, No. 2, Summer 2005, pp 26-35
- Synolakis, Costas E., James E. Moore II, Jose C. Borrero, and Harry W. Richardson, in response to "Letters - Consequences Exaggerated," of article "Could It Happen Here?," by J. Borrero et al. in April 2005 *Civil Engineering*, *Civil Engineering*, Vol. 75, No. 7, July 2005, pp 9-10
- Synolakis, C.E., and E.A. Okal, "Perspectives on a Decade of Post-Tsunami Surveys, In *Tsunamis: Case Studies and Recent Developments*, ed. Kenji Satake, Springer, New York, Series on Advances in Natural and Technological Hazards Research, Vol. 23, 2005
- Syono, Shigekata, "On the Waves Caused by a Sudden Deformation of a Finite Portion of the Bottom of a Sea of Uniform Depth," *Geophys. Mag. Tokyo*, Vol. 10, No. 1, 1935, pp 21-41
- Syvitski, J.P.M., and E.W.H. Hutton, "Failure of Marine Deposits and their Redistribution by Sediment Gravity Flows," In *Landslide Tsunamis: Recent Findings and Research Directions*, eds. J.-P. Bardet, C.E. Synolakis, et al., *Special Issue of Pure and Applied Geophysics*, Vol. 160, No. 10-11, 2003, pp 2,503-2,069
- Taber, Stephen, "Jamaica Earthquakes and the Bartlett Trough," *Bull. Seis. Soc. Amer.*, Vol. 10, No. 2, 1920, pp 55-89
- Taber, Stephen, "The Seismic Belt in the Greater Antilles," *Bull. Seis. Soc. Amer.*, Vol. 12, No. 4, Dec. 1922, pp 199-219
- Tabuchi, Hiroko, (Associated Press), "Undersea 7.1 Quake Rattles Japan," *San Francisco Chronicle*, CA, 15 Nov. 2005, p. A10
- Tadepalli, S., and C.E. Synolakis, "The Run-up of N-waves on Sloping Beaches," *Proc. Roy. Soc. (London): Mathematical and Physical Sciences*, Vol. A 445, No. 9123, 8 April 1994, pp 99-112
- Tadepalli, S., and C.E. Synolakis, "Model for Leading Waves of Tsunamis," *Phys. Rev. Letters*, Vol. 77, No. 10, 1996, pp 2,141-2,144
- Takahashi, M., "Telemetry Bottom Pressure Observation System at a Depth of 2200 Meter," *Jour. Phys. Earth*, Vol. 29, 1981, pp 77-88
- Takahashi, Susumu, and Isao Yakuwa, "Tsunami Response of the Tsugaru Straits," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 315-327
- Takahashi, Tomoyuki, Takeyuki Takahashi, Nobuo Shuto, Fumihiko Imamura, and Modesto Ortiz, "Source Models for the 1993 Hokkaido Nansei-Oki Earthquake Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 747-767
- Takahashi, T., "The 1993 Okushiri Tsunami: Data, Conditions, and Phenomena," In *Long-Wave Runup Models*, eds. H. Yeh, P. Liu, and C. Synolakis, 1995, pp 384-403; also reproduced in *English Research Papers on Coastal Engineering, 1995-2000*, Disaster Prevention Research Institute, Kyoto Univ., Japan, 2001, pp 133-152
- Takahashi, Tomoyuki, Nobuo Shuto, Fumihiko Imamura, and Daisuke Asai, "Modeling Sediments Transport due to Tsunamis with Exchange Rate Between Bed Load Layer and Suspended Load Layer," In *Coastal Engineering 2000: Conference Proceedings, Sydney, Australia, July 16-21, 2000*, ed. Billy L. Edge, ASCE, Vol. 2, 2001, pp 1,508-1,519
- Takahasi, Ryutaro, "Tsunamis," *Sciences for Disaster Prevention (Japan)*, Vol. 3, 1935, pp 1-68
- Takahasi, R., "On the Seismic Sea Waves Caused by Deformation of the Sea Bottom," *Bull. Earth. Res. Inst.*, Tokyo Univ., Japan, Vol. 20, 1942, pp 357-400
- Takahasi, R., "On Seismic Sea Waves Caused by an Impulse at the Sea Bottom," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 20, 1943, pp 375-398 (in Japanese)
- Takahasi, R., "On Seismic Sea Waves Caused by Deformations of the Sea Bottom, Second Report," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Vol. 23, 1945, pp 23-35
- Takahasi, Ryutaro, "Motion of Bay Water Caused by Seismic Sea Waves," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Vol. 25, No. 1, 1947, pp 1-4
- Takahasi, R., "On Seismic Sea Waves Caused by Deformation of the Sea Bottom, the Third Report, the One-dimensional Source," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 25, 1948, pp 5-9
- Takahasi, R., "An Estimate of Future Tsunami Damage Along the Pacific Coast of Japan," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 29, 1951, pp 71-95
- Takahasi, R., ed., *Report on the Chilean Tsunami of May 24, 1960, as Observed Along the Coast of Japan*, Committee for Field Investigation of the Chilean Tsunami of 1960, Tokyo, Japan, 1961, 398 pp
- Takahasi, Ryutaro, Kintaro Hirano, Isamu Aida, Tokutaro Hatori, and Shizuko Shimizu, "Observations at Miyagi-Enoshimi Tsunami Observatory During the IGY Period," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 39, 1961, pp 491-521

- Takahasi, R., and I. Aida, "Studies of the Spectrum of Tsunamis," *Bull. Earthquake Res. Inst.*, Univ. Tokyo, Japan, Vol. 39, 1961, pp 523-535
- Takahasi, R., and T. Hatori, "A Model Experiment on the Tsunami Generation from a Bottom Deformation Area of Elliptic Shape," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 40, 1962, pp 873-883
- Takahasi, Ryutaro (Chairman), Masatsugu Suzuki, Masashi Homma, Robert L. Wiegel, and Doak C. Cox, *Protection of Hilo From Tsunamis*, Report of Hilo Technical Tsunami Advisory Council to the Board of Supervisors, Hawaii County, Through Its Tsunami Advisory Committee, manuscript report, 6 April 1962, 17 pp (it was subsequently reproduced in the *Sunday Tribune-Herald* [the Sunday edition of the *Hilo Tribune-Herald*], 8 April 1962, pp 1, 10, and 11)
- Takahasi, R., "On Some Model Experiments on Tsunami Generation," *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress*, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 235-248
- Takahasi, Ryutaro, "A Summary Report of the Chilean Tsunami of May 24, 1960, as Observed Along the Coast of Japan," In *Proc. of Tsunami Meetings Associated with the Tenth Pacific Congress*, Univ. of Hawaii, Honolulu, HI, Aug. - Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 77-86
- Takahasi, Ryutaro, ed., *Symposium on Tsunami and Storm Surges, August 25-26, 1966, 11th Pacific Science Congress, Tokyo, Japan: Proceedings*, Committee for the PSC Tsunami and Storm Surges Symposium, Tokyo, March 1967, 74 pp (many only abstracts)
- Takano, K., Y. Nagata, H. Sudo, and A. Takeda, "Drawing of Refraction Diagrams and Analysis of the Chilean Tsunami of 1960 on a Terrestrial Globe," In *Report of the Field Investigation Committee for Chilean Tsunami of May 24, 1960*, Maruzen Co. Ltd., Tokyo, Japan, 1961, pp 46-51
- Takao, Momoi, "General Method of Treating Water Waves Produced by a Vibrating Bottom with Arbitrary Form," *Bull. Earthquake Res. Inst.*, Tokyo Univ., Japan, Vol. 40, 1962, pp 261-271
- Takayama, T., T. Nagai, and Y. Hiraishi, *The Numerical Calculation of Tsunami in Tokyo Bay*, Tech. Note of Port and Harbour Research Institute (PHRI), Japan, 1983, 100 pp
- Takayama, T., et al., *Field Investigation of the Tsunami Caused by 1995 Hokkaido Nanseioki Earthquake*, Tech. Note of Port and Harbour Institute (PHRI), Japan, No. 775, 1995, 225 pp
- Takayama, T., "Characteristics of Tsunami Disaster and Countermeasures Against Tsunami in Japan," In *Proc. 4th Japan-China (Taipei) Joint Seminar on Natural Hazard Mitigation, Kyoto, Japan, 1997*, pp 183-190; reproduced in *English Research Papers on Coastal Engineering, 1995-2000*, Disaster Prevention Research Institute, Kyoto Univ., Japan, pp 259-266
- Takeda, H., "Numerical Simulation of Run-up by the Variable Transformation," *Oceanographical Journal of Japan*, Vol. 40, 1984, pp 271-278
- Tanimoto, K., et al., *Field and Laboratory Investigations of the Tsunami Caused by the 1983 Nihonki Chubu Earthquake*, Port and Harbour Research Institute (PHRI), Ministry of Transportation, Tokyo, Japan, Tech. Note 470, 1983, 301 pp (abstract in English)
- Takehata, H., "The New Tsunami Warning System of the Japan Meteorological Agency," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 39-50
- Takemura, M., J. Koyama, and Z. Suzuki, "Source Process of the 1974 and 1975 Earthquakes in Kuril Islands in Special Relation to the Difference in Excitation of Tsunami," *Science Rept.*, Tohoku Univ., Japan, Ser. 5, Vol. 24, 1977, pp 113-132
- Takemura, M., and J. Koyama, "Seismic Source Spectrum of Tsunami and Ordinary Earthquake: A Quantitative Estimation of Tsunami from Forecoming Seismic Waves," *Tokohu Geophysics J.*, Japan, Vol. 29, 1983, pp 115-128
- Takuechi, A., and Shipboard Scientific Party of R/V Yokosuka, "Bottom Response to a Tsunami Earthquake: Submersible Observations in the Epicenter Area of the 1993 Earthquake off Southwestern Hokkaido, Sea of Japan," *J. Geophys. Res.*, Vol. 103, 1998, pp 24,109-24,125
- Talandier, J., "National Report of France (French Polynesia)," (Tsunami Warning Disposition), *Tsunami Newsletter*, Vol. 20, No. 2, Dec. 1987, pp 21-24
- Talandier, Jaques, and Emil A. Okal, "An Algorithm for Automated Tsunami Warning in French Polynesia Based on Mantle Magnitudes," *Bull. Seis. Soc. Amer.*, Vol 79, No. 4, 1989, pp 1,177-1,193
- Talandier, J., "French Polynesia Tsunami Warning Center (CPPT)," In *International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers*, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, USSR, 1989, pp 113-114
- Talandier, J., "French Polynesia Tsunami Warning Center," *Natural Hazards*, Vol. 7, 1993, pp 237-256
- Tanaka, Hiroyoshi, Makoto Takao, and Tadashi Annaka, "Establishment of a Tsunami Assessment Manual for Nuclear Facilities," In *21st International Tsunami Symposium, IUGG XXIII General Assembly, Sapporo, Japan, 9-10 July 2003: Abstracts*, p. B.154 <http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/main.html>
- Tanaka, Shigenobu, and Shinju Sato, "Damages of Coastal Structures in Awaji and Touban Coasts due to 1995 Hyogoken Nambu Earthquake," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 135-141. A longer version with the same title is printed in *Science of Tsunami Hazards*, Vol. 14, No. 3, 1996, pp 167-178
- Tanaka, Shigenobu, Shinji Sato, and Kenji Noguchi, "Propagation of Hokkaido-Nansei-Oki Earthquake Tsunami Around Cape Aonae," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. California, Berkeley, CA, 1995, pp 261-266
- Taneda, Sadakatu, "Chile Tsunami on the Okinawa Islands," *Science Reports of Kyushu Univ. (Geology)*, Kyushu, Japan, Vol. 5, No. 4, 1961, pp 165-180
- Taniguchi, Tokuso, and T. David Woo, "The Seismic Wave Casualties in Hilo, Hawaii," *Archives of Environmental Health*, Vol. 2, April 1961, pp 434-439

- Tanimoto, Katsutoshi, "On the Hydraulic Aspects of Tsunami Breakwaters in Japan," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 423-435
- Tanioka, Y., L.J. Ruff, and K. Satake, "Unusual Rupture Process of the Japan Sea Earthquake," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, No. 34, 1993, pp 377-380
- Tanioka, Y., K. Satake, and L. Ruff, "Tsunami Excitation and Mechanism of the Guam Earthquake, August 8, 1993," *Pure and Appl. Geophysics*, Vol. 110, 1995, p. 64
- Tanioka, Yuichiro, Larry Ruff, and Kenji Satake, "The Great Kurile Earthquake of October 4, 1994, Tore the Slab," *Geophysical Research Letters*, Vol. 22, No. 13, July 1995, pp 1,661-1,664
- Tanioka, Y., K. Satake, and L. Ruff, "Total Analysis of the 1993 Hokkaido Nansei-oki Earthquake Using Seismic Wave, Tsunami, and Geodetic Data," *Geophysical Research Letters*, Vol. 2, No. 1, 1995, pp 9-12
- Tanioka, Y., K. Satake, and L. Ruff, "Analysis of Seismological and Tsunami Data From the 1993 Guam Earthquake," *Pure Appl. Geophys.*, Vol. 144, Nos. 3/4, 1995, pp 823-838
- Tanioka, Y., and K. Satake, "Tsunami Generation by Horizontal Displacements of Ocean Bottom," *Geophys. Res. Lett.*, Vol. 23, No. 8, 1996, pp 861-864
- Tanioka, Y., L. Ruff, and K. Satake, "The Sanriku-oki, Japan, Earthquake of December 23, 1994 (Mw 7.7): Rupture of a Different Asperity from a Previous Earthquake," *Geophys. Res. Lett.*, Vol. 23, 1996, pp 1,465-1,468
- Tanioka, Y., and K. Satake, "Fault Parameters of the 1896 Sanriku Tsunami Earthquake Estimated from Tsunami Numerical Modeling," *Geophys. Res. Lett.*, Vol. 23, 1996, pp 1,549-1,552
- Tanioka, Yuichiro, and Masami Okada, "Numerical Modeling of Trans-Pacific Tsunamis: the 1995 Chile, the 1996 Aleutian, and the 1996 Irian Java Tsunamis," *Science of Tsunami Hazards*, Vol. 15, No. 2, 1997, pp 67-79
- Tanioka, Yuichiro, "Analysis of the Far-field Tsunamis Generated by the 1998 Papua New Guinea Earthquake," *Geophysical Research Letters*, Vol. 26, No. 22, 1999, pp 3,393-3,396
- Tanioka, Y., "Generation of Tsunamis in the Okhotsk Sea Caused by the 1995 Great Kurile Earthquake," In *Landslides and Tsunamis, Pure and Applied Geophysics*, eds. B.H. Keating, C.F. Waythomas, and A.G. Dawson, Birkhauser Verlag, Basel, Vol. 157, 2000, pp 977-988
- Tanioka, Y., and T. Seno, "Detailed Analysis of Tsunami Waveforms Generated by the 1946 Aleutian Tsunami Earthquake," *Nat. Hazard Earth Syst.*, Vol. 1, 2001, pp 171-175
- Tanioka, Y., Y. Nishimura, K. Kirakawa, et al., "Field Survey of the 2003 Tokachi-oki Earthquake Tsunami and Simulation at the Ootsu Harbor Located at the Pacific Coast of Hokkaido, Japan," In *Tsunamis: Case Studies and Recent Developments*, ed. Terada, K., "Recent Advances in Tsunami Instrumentation in Japan," In *Tsunamis in the*
- Kenji Satake, Springer, New York, Series VIII, Vol. 23, 2005
- Tappin, D., "Tsunami! Offshore Surveys After the Papua New Guinea Event of July 1998," South Pacific Applied Geoscience Commission (SOPAC), *SOPAC Projects*, Vol. 13, 1999, pp 1-12
- Tappin, D.R., T. Matsumoto, P. Watts, K. Satake, and G.M. McMurtry, "Sediment Slump Likely Caused 1998 Papua New Guinea Tsunami," *EOS, Trans. Amer. Geophys. Union*, Vol. 80, No. 30, 27 July 1999, pp 329, 334, 340
- Tappin, D.R., P. Watts, G.M. McMurty, Y. Lafoy, and T. Matsumoto, "The Sissano, Papua New Guinea Tsunami of July 1998: Offshore Evidence on the Source Mechanism," *Marine Geology*, Vol. 175, 2001, pp 1-23
- Tappin, D.R., P. Watts, G.M. McMurty, Y. LaFoy, and T. Matsumoto, "Predictions of Slump Generated Tsunamis: The July 17th 1998 Papua New Guinea Event," *Science of Tsunami Hazards*, Vol. 20, No. 4, 2002, pp 222-238
- Tappin, D.R., P. Watts, and T. Matsumoto, "Architecture and Failure Mechanism of the Offshore Slump Responsible for the 1998 Papua New Guinea Tsunami," *Submarine Mass Movement and Their Consequences*, eds. J. Locat and J. Mienert, Kluwer Acad. Pub., The Netherlands, 2003, pp 383-389
- Tappin, David R. (editor), "Submarine-Slump-Generated Tsunamis," A Selection of Papers Presented at the 'Workshop on the Prediction of Underwater Landslide & Slump Occurrence and Tsunami Hazards off Southern California' held March 10-11, 2000 at the University of Southern California (USC), *Marine Geology*, Vol. 203, Issues 3-4, 30 Jan. 2004, pp 199-383
- Tarr, Ralph S., and Lawrence Martin, *The Earthquake at Yakutat Bay, Alaska in September 1899*, U.S. Geological Survey, Professional Paper 69, 1912, 135 pp
- Tatehata, Hidee, "The New Tsunami Warning System of the Japan Meteorological Agency," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1997, pp 175-188. Also, in *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 39-49
- Taylor, Paul R.P., D.L. Emonson, and J.E. Schlimmer, "Operation Shaddock - the Australian Defence Force Responds to the Tsunami Disaster in Papua New Guinea," *Medical Journal of Australia*, Vol. 169, 1998, pp 602-606
- Teixiera, Edward T., "State is Indeed Prepared for Tsunamis, All Hazards," Letters and Commentary, *The Honolulu Advertiser*, HI, 4 Feb. 2005, p. A17
- TenBruggencate, Jan, "Call Builds for New Isle Tsunami Maps," *The Honolulu Advertiser*, HI, 17 Jan. 2005, pp A1 and A6
- Teng, Michelle H., Kelie Feng, and Tsung I. Liao, "Experimental Study on Long Wave Run-up on Plane Beaches," In *Proc.: Tenth International Offshore and Polar Engineering Conf.*, Seattle, WA, USA, May 28-June 2, 2000, pp 660-664
- Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 207-221

- Terazawa, K., "On the Deep Sea Water Waves Caused by a Local Disturbance on or Beneath the Surface," *Proc. Roy. Soc. (London)*, Vol. 92(A), 1915, pp 57-81
- Terzaghi, K., "Varieties of Submarine Slope Failures," *Proc. 8th Texas Conf. Soil Mech. Found. Eng.*, 1956, pp 1-41
- Tetra Tech, Inc., *Deterministic Prediction of Tsunami Effects*, Pasadena, CA, May 1972, 15 pp
- Thacker, W.C., "Some Exact Solutions to the Nonlinear Shallow-water Wave Equations," *Jour. Fluid Mech.*, Vol 107, 1981, pp 499-508
- Thiessen, Doug, and Antonio Gioiello, "Letter - Consequences Exaggerated?," in regard to: "Could it Happen Here?," by J. Borrero, S. Cho, J.E. Moore II, H.W. Richardson, and C. Synolakis, in *Civil Engineering* (April 2005), *Civil Engineering*, Vol. 75, No. 7, July 2005, p. 8
- Thompson, D.J., L.J. Lanzerotti, C.G. MacLennan, and L.V. Medford, "Ocean Cable Measurements of the Tsunami Signal from the 1992 Cape Mendocino Earthquake," *Pure and Applied Geophysics (PAGEOPH)*, Vol. 144, Nos. 3/4, 1995, pp 427-440
- Thompson, Edward F., H.S. Chen, Martin C. Miller, and Lori L. Hadley, "Harbor Oscillations - Recent Advances in Numerical Modeling," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. California, Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. California, Berkeley, CA, 1995, pp 175-180
- Thompson, W., "On the Waves Produced by a Single Impulse in Water of Any Depth, or in a Dispersive Medium," *Proc. Roy. Soc. (London)*, Ser. A, Vol. 43, 1887
- Thompson, W.B., and W.G. Van Dorn, "Coastal Response to Tsunamis," In *Proc. Inter. Tsunami Symposium, IUGG, 6-9 August 1985, Sidney, B.C., Canada, 1985*, eds. E.N. Bernard and R.L. Whitney, 1985, pp 254-263 (13th IUGG international tsunami symposium)
- Thomson, R.E., A.B. Rabinovich, E.A. Kulikov, I.V. Fine, and B.D. Bornhold, "On Numerical Simulation of the Landslide Generated Tsunami of November 3, 1994, in Skagway Harbor, Alaska," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 243-282
- Thornton, D.L., "Seismic Sea Waves," *Engineering*, London, Vol. 161, 1946, pp 484-485
- Thorsen, G.W., "Overview of Earthquake-induced Water Waves in Washington and Oregon," *Washington Geology Newsletter*, Vol. 16, No. 4, 1988, pp 9-18
- Tichelaar, B.W., and L.J. Ruff, "How Good are Our Best Models?," *EOS, Trans., Amer. Geophys. Union*, Vol. 70, No. 20, 1989, pp 605-606
- Tidal Wave Emergency Evacuation Plan for City of Hilo, Hilo, Hawaii*, probably by County of Hawaii, but no details as to author(s), etc., 20 March 1962, 35 pp and 8 appendices
- Tijia, H.D., "Active Faults in Indonesia," *Geological Society of Malaysia*, Vol. 10, 1978, pp 73-92
- Tinti, Stefano, and Cesare Vannini, "Tsunami Trapping Near Circular Islands," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 586-619
- Time Magazine, "Tsunami: Special Report," *Time*, Vol. 265, No. 2, 10 Jan. 2005, pp 22-45 and cover
- Tinti, S., and D. Giuliana, "The Messina Straits Tsunami of the 28th of December 1908: A Critical Review of Experimental Data and Observations," *Nuovo Cimento*, Vol. 60, No. 4, 1983, pp 424-442
- Tinti, S., and D. Giuliana, "The Messina Straits Tsunami of the 28th of December 1908: An Analytical Model," *Ann. Geophys.*, Vol. 1, 1983, pp 463-468
- Tinti, S., and E. Guidoboni, "Revision of the Tsunamis Occurred in 1783 in Calabria and Sicily (Italy)," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 17-22
- Tinti, Stefano, "Announcement. Constitution of the Tsunami Working Group for the Tsunamis in the European Seas and in the Atlantic Ocean," *Natural Hazards*, Vol. 1, No. 2, 1988, p. 225
- Tinti, S., "Introduction: Tsunamis Generated by Earthquake and Volcanic Eruptions," *Science of Tsunami Hazards*, Vol. 6, No. 1, 1988, pp 3-4
- Tinti, S., "Tsunami Activity in Italy and Surrounding Area," In *A Mission to the Planet Earth*, eds. E. Boschi, D. Giardini and A. Morelli, Galileo Galilei, Rome, 1990
- Tinti, S., "Tsunami Research in Europe," *Terra Nova*, Vol. 2, 1990, pp 19-22
- Tinti, Stefano, "Tsunami Potential in Southern Italy," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 5-14
- Tinti, Stefano, "Assessment of Tsunami Hazard in the Italian Seas," *Natural Hazards*, Vol. 4, Nos. 2 & 3, 1991, pp 267-283
- Tinti, S., "Evaluation of Tsunami Hazard in Calabria and Eastern Sicily, Italy," In *Tsunamis in the World, Advances in Natural and Technological Hazards Research*, Vol. 1, ed. S. Tinti, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993, pp 141-157
- Tinti, S., C. Vannini, and C. Romagnoli, "Tsunami Generation by Massive Slides in the Volcanic Aeolian Islands," *Annales Geophysicae*, Supplement 1 to Vol. II, ES XVIII General Assembly, Wiesbaden, March 1993, 1994, p. 212
- Tinti, S., I. Gavagni, and A. Piatanesi, "A Finite-element Numerical Approach for Modelling Tsunamis," *Annali di Geofisica*, Vol. 37, 1994, pp 1,009-1,026
- Tinti, S., and C. Vannini, "Theoretical Investigations on Tsunamis Induced by Seismic Faults Near Ocean Islands," *Marine Geodesy*, Vol. 17, 1994, pp 193-212
- Tinti, Stefano, and Ivan Gavagni, "A Method for Reducing the Propagation Noise in Finite-element Modeling of Tsunamis," *Science of Tsunami Hazards*, Vol. 12, No. 2, 1994, pp 77-92
- Tinti, S., A. Maramai, and P. Favali, "The Gargano Promontory: An Important Italian Seismogenic-tsunamiogenic Area," *Marine Geology*, Vol. 122, 1995, pp 227-241

- Tinti, S., and A. Piatanesi, "Numerical Simulations of the Tsunami Induced by the 1627 Earthquake Affecting Gargano, Southern Italy," *Jour. Geodynamics*, Vol. 21, 1996, pp 141-160
- Tinti, S., and A. Piatanesi, "Finite-element Simulations of the 5 February 1783 Calabrian Tsunami," *Phys. Chem. Earth*, Vol. 21, 1996, pp 39-43
- Tinti, Stefano, Elisabetta Bortolucci, and Alessio Piatanesi, "On Some Properties of the FE Tsunami 'Wave Propagator'," *Science of Tsunami Hazards*, Vol. 14, No. 1, 1996, pp 39-48. Note, it was also printed on pp 29 to 38, but with a different title in the Table of Contents
- Tinti, S., E. Bortolucci, and A. Piatanesi, "Spectral Decomposition in the Wave Propagator Approach to Finite-element Tsunami Modeling," *Science of Tsunami Hazards*, Vol. 14, No. 3, 1996, pp 179-190. Note this paper was listed on the title page of *Science of Tsunami Hazards*, Vol. 14, No. 1, 1996, pp 29-38, but was not printed there; a paper by the same authors with a different title was printed (see above)
- Tinti, S., and A. Maramai, "Catalog of Tsunamis Generated in Italy and in Cote d'Azur, France: A Step Towards a Unified Catalogue of Tsunamis in Europe," *Ann. Geofis.*, Vol. 39, 1996, pp 1,253-1,299
- Tinti, S., A. Piatanesi, and A. Maramai, "Numerical Simulations of the 1627 Gargano Tsunami (Southern Italy) to Locate the Earthquake Source," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 115-131
- Tinti, S., "Genesis and Impact of Tsunamis on the European Coasts," In *Seismic Risk in the European Union*, eds. A. Ghazi and M. Yeroyanni, European Commission, Science, Research and Development, Environment and Climate Programme, EUR 16966 EN, Vol. 1, 1997, pp 132-152
- Tinti, S., E. Bortolucci, and C. Vannini, "A Block-based Theoretical Model Suited to Gravitational Sliding," *Natural Hazards*, Vol. 15, 1997, pp 31-49
- Tinti, S., E. Bortolucci, and A. Armigliato, "Numerical Simulation of the Landslide-induced Tsunami of 1988 in Vulcano Island, Italy," *Bull. Volcanol.*, Vol. 61, 1999, pp 121-137
- Tinti, S., A. Armigliato, E. Bortolucci, and A. Piatanesi, "Identification of the Source Fault of the 1908 Messina Earthquake through Tsunami Modelling. Is it a Possible Task?," *Phys. Chem. Earth*, Vol. 24, 1999, pp 417-421
- Tinti, S., M.A. Baptista, C.B. Harbitz, and A. Maramai, "The Unified European Catalogue of Tsunamis: A GITEC Experience," *Proc. Int. Conf. Tsunamis, Paris, 26-28 May 1998*, 1999, pp 84-99
- Tinti, S., and A. Maramai, "Large Tsunamis and Tsunami Hazard from the New Italian Tsunami Catalog," *Phys. Chem. Earth*, Vol. 24, 1999, pp 145-150
- Tinti, S., C. Romagnoli, and E. Bortolucci, "Modeling of a Possible Holocene Landslide-induced Titov, Vasily, and Frank Gonzalez, "Numerical Study of the Source of the July 17, 1998 PNG Tsunami," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 197-208
- Tsunami at Stromboli Volcano, Italy," *Phys. Chem. Earth*, Vol. 24, 1999, pp 423-429
- Tinti, S., and E. Bortolucci, "Energy of Water Waves Induced by Submarine Landslides," *Pure and Applied Geophysics*, Vol. 157, 2000, pp 281-318
- Tinti, S., and E. Bortolucci, "Analytical Investigation on Tsunamis Generated by Submarine Slides," *Annali de Geofisica*, Vol. 43, 2000, pp 519-536
- Tinti, S., E. Bortolucci, and C. Chiavettieri, "Tsunami Excitation by Submarine Slides in Shallow-water Approximation," *Pure and Applied Geophysics*, Vol. 158, 2001, pp 759-797
- Tinti, S., and A. Armigliato, "Impact of Large Tsunamis in the Messina Straits, Italy: The Case of the 28 December 1908 Tsunami," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 139-162
- Titchen, Jack, "Photos at the Catamaran Loading Pier at Hawaiian Village Hotel During Tsunami, 23 May 1960," *The Honolulu Star-Bulletin*, HI, 23 May 1960
- Titov, V.V., and Costas E. Synolakis, "A Numerical Study of Wave Runup of the September 2, 1992 Nicaraguan Tsunami," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, (Proc. IUGG/IOC International Tsunami Symposium, Wakayama, Japan, 1993), Kluwer Acad. Press, The Netherlands, 1995, pp 627-634
- Titov, V.V., and Synolakis, C.E., "Modeling of Breaking and Non-breaking Long-wave Evolution and Runup Using VTCS-2," *Jour. Waterway, Port, Coastal and Ocean Eng.*, ASCE, Vol. 121, No. 6, Nov./Dec. 1995, pp 308-316
- Titov, V.V., *Numerical Modeling of Long Wave Runup*, Ph.D. thesis, University of Southern California, Los Angeles, CA, 1997, 130 pp
- Titov, V.V., and F.I. Gonzalez, *Implementation and Testing of the Method of Splitting Tsunami (MOST) Model*, NOAA TR ERL PMEL-112 (PB98-122773), 1997, 11 pp
- Titov, V.V., and C.E. Synolakis, "Extreme Inundation Flows During the Hokkaido-Nansei-Oki Tsunami," *Geophys. Res. Lett.*, Vol. 24, No. 11, 1997, pp 1,315-1,318
- Titov, V.V., and C.E. Synolakis, "Numerical Modeling of Tidal Wave Runup," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 124, No. 4, July/August 1998, pp 157-171
- Titov, V.V., H.O. Mofjeld, F.I. Gonzalez, and J.C. Newman, *Offshore Forecasting of Alaska-Aleutian Subduction Zone Tsunamis in Hawaii*, NOAA Tech. Memo. ERL PMEL-114, PMEL, Seattle, WA, 1999, 22 pp
- Titov, V.V., H.O. Mofjeld, F.I. Gonzalez, and J.C. Newman, "Offshore Forecasting of Alaskan Tsunamis in Hawaii," In *Tsunami Research at the End of a Critical Decade*, ed. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 75-90
- Titov, Vasily V., Frank I. Gonzalez, E.N. Bernard, Marie C. Eble, Harold O. Mofjeld, Jean C. Newman, and Angie J. Venturato, "Real-time Tsunami

- Forecasting: Challenges and Solutions," *Natural Hazards*, Vol. 35, No. 1, 2005, pp 45-58
- Titov, Vasily, Alexander B. Rabinovich, Harold O. Mofjeld, Richard E. Thomson, and Frank I. Gonzalez, "The Global Reach of the 26 December 2004 Sumatra Tsunami," *Science*, Vol. 309, No. 5743, 23 Sept. 2005, pp 2,045-2,048
- Todorovska, M.I., A. Hayir, and M.D. Trifunac, "A Note on Tsunami Amplitudes Above Submarine Slides and Slumps," *Soil Dyn. Earthquake Eng.*, Vol. 22, 2002, pp 129-141
- Togashi, H., and T. Nakamura, "An Experimental Study of Tsunami Run-up on Uniform Slopes," *Coastal Eng. Japan*, Vol. 20, 1977, pp 95-108
- Togoshi, Hiroyoshi, *Study on Tsunami Run-up and Countermeasure*, Dr. Engrg. thesis, Tohoku Univ., Sendai, Japan, 1976; translation from Japanese into English by Prof. Togoshi, May 1981, 295 pp
- Togashi, H., "Shoreline Wave Height and Land Run-up Height of Tsunamis on Uniformly Sloping Beaches," In *Tsunamis: Their Science and Engineering*, eds. J. Iida and T. Iwasaki, Terra Sci., Tokyo, 1983, pp 495-509
- Togashi, Hiroyoshi, "Wave Force of Tsunami Bore on a Vertical Wall," *Science of Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 25-38
- Topozada, T.R., G. Borchardt, W. Haydon, M. Peterson, R. Olson, H. Lagorio, and T. Anvik, *Planning Scenario in Humboldt and Del Norte Counties, California for a Great Earthquake on the Cascadia Subduction Zone*, California Dept. of Conservation, Division of Mines and Geology, Special Pub. No. 115, Jan. 1995, 159 pp, and 16 maps appended
- Toucher, Don, and Don J. Miller, "Field Observations on Effects of Alaska Earthquake of July 10, 1958," *Science*, Vol. 129, No. 3346, 1959, pp 394-395
- Trainor, Joseph, Havidan Rodriguez, Tricia Wachtendorf, and James Kendra, "More than a Wave: Exploring the Social Impacts of the Indian Ocean Tsunami," *Natural Hazards Observer*, Vol. 29, No. 5, May 2005, pp 1-2
- Tri-Cities Citizens Advisory Committee on Seismic Safety to the Cities of El Cerrito, Richmond, and San Pablo, California, Dean Armstrong, Project Director, *The Seismic Safety Study for the General Plan*, 1 Sept. 1973, 197 pp (tsunamis, p. 34)
- Troshina, E.N., *Tsunami Waves Generated by Mt. St. Augustine Volcano, Alaska*, M.S. thesis, Univ. Alaska, Fairbanks, 1996, 84 pp
- Truby, J.D., "Kakatoa, The Killer Wave," *Frontiers*, Vol. 17, 1971, pp 130-139
- Tsuboi, S., K. Abe, K. Takano, and Y. Yamanaka, "Rapid Determination of Mw from Broadband P Waveforms," *Bull. Seismol. Soc. Amer.*, Vol. 85, 1995, pp 606-613
- Tsuchiya, Y., and S. Nakamura, "Shock Pressure of Hydraulic Bore on Wall Gate," *Bull. Disaster Prev. Res. Inst.*, Kyoto Univ., Japan, Vol. 23, No. 4, 1973, pp 47-58  
*Tsunami Society, Journal, Science of Tsunami Hazards*. Recent issues available at its website <http://www.sthjournal.org/>
- Tsuchiya, Yoshito, and Nobuo Shuto, editors, *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, Sixteenth International Tsunami Symposium, Wakayama, Japan, 23-27 Aug. 1993, Kluwer Academic Press, Dordrecht, The Netherlands, 1995, 336 pp (16th IUGG international tsunami symposium)
- Tsuji, Yoshinobu, "Study on the Earthquake and the Tsunami of September 20, 1498," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Proc. Inter. Tsunami Symposium, IUGG 1981, Sendai-Ofunato-Kamaishi, Japan, Terra Scientific Publishing Co., Tokyo, 1983, pp 185-204
- Tsuji, Y., "Comparison of Observed and Numerically Calculated Heights of the 1983 Japan Sea Tsunami," In *Proc. of the International Tsunami Symposium, 1985*, eds. T.S. Murty and W.J. Rapatz, Inst. of Ocean Sciences, Dept. of Fisheries and Oceans, Canada, 1985, pp 41-48; also in *Science of Tsunami Hazards*, Vol. 4, No. 2, 1986, pp 91-110
- Tsuji, Yoshinobu, "Decay of the Energy of the 1983 Japan Sea Tsunami," In *Tsunamis: Their Science and Hazard Mitigation, Proceedings of the International Tsunami Symposium*, IUGG, ed. E.N. Bernard, 1988, p. 183
- Tsuji, Yoshinobu, Takashi Yanuma, Isao Murata, and Chizuru Fujiwara, "Tsunami Ascending in Rivers as an Undular Bore," *Natural Hazards*, Vol. 4, Nos. 2 and 3, 1991, pp 257-266
- Tsuji, Y., and H. Matsutomi, "Damages Due to the Tsunami," In *The Report of the Field Survey of the Flores Island Earthquake-Tsunami of December 12, 1992*, ed. Y. Tsuji, 1993, pp 70-87 (in Japanese, with abstracts in English)
- Tsuji, T., H. Matsutomi, F. Imamura, M. Takeo, Y. Kawata, M. Matsuyama, T. Takahashi, Sunarjo and P. Harjadi, "Damage to Coastal Villages Due to the 1992 Flores Island Earthquake Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 482-524
- Tsuji, Y., F. Imamura, H. Matsutomi, C.E. Synolakis, P.T. Nanang, S. Jumadi, S. Harada, S.S. Han, K. Arai, and B. Cook, "Field Survey of the East Java Earthquake and Tsunami of June 3, 1994," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 839-854
- Tsuji, Yoshinobu, "Long-time IUGG-Tsunami Committee Officer Passes Away," (Kinjiro Kajiura), *Tsunami Newsletter*, Vol. 36, No. 2, April-July 2004, p. 1
- Tsunami Newsletter*, International Tsunami Information Center, Honolulu, Hawaii; began in 1968
- Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Yoshito Tsuchiya and Nobuo Shuto, Sixteenth International Tsunami Conference, Wakayama, Japan, 23-27 Aug. 1993, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, 336 pp (16th IUGG international tsunami symposium)
- Tsunami Research Advisory Committee (Ad Hoc), "Summary Report and Recommendations of Ad Hoc Committee," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 313-320
- Tsunamis. A Bibliography with Abstracts. Search Period Covered, 1964 - November 1977*, ed. Guy E. Habercom, Jr., U. S. Dept. of Commerce, National Technical Information Service (NTIS), NTISearch,

- NTIS/PS-77/1165, Dec. 1977, 191 pp
- Tsuruya, H., et al., *Deformation of Tsunami in a Continental Shelf and Countermeasure Against Tsunami Run-up by Coastal Structure*, Tech. Note No. 551 of Port and Harbour Research Institute (PHRI), Japan, 1986, 27 pp
- Tsuruya, H., and H. Nakgawa, *Model Experiments for Reduction of Disaster at Okushiri-Higashi Breakwater by Hokkaido-Nanseioki Earthquake Tsunami*, Tech. Note No. 789 of Port and Harbour Research Institute, Japan, 1994, 20 pp
- Tsuruya, H., K. Kimura, and Y. Nakagawa, "Damage of Offshore Breakwaters due to the 1993 Hokkaido Nansei-Oki Earthquake Tsunami," *Proceedings of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at University of California, Berkeley, CA, Jan. 17-19, 1995), compilers, Charles E. Smith, Robert G. Bea, and Tatsuo Uwabe, Univ. California, Berkeley, CA, 1995, pp 385-390
- Tsutsumi, Akito, Toshihiko Shimamoto, Eiko Kawamoto, and John M. Logan, "Nearshore Flow Velocity of Southwest Hokkaido Earthquake Tsunami," *Jour. of Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 126, No. 3, May/June 2000, pp 136-143
- Tuck, E.O., "The Effect of a Submerged Barrier on the Natural Frequencies and Radiation Damping of a Shallow-basin Connected to Open Water," *Jour. Aust. Math. Soc., Ser. B*, Vol. 22, 1953, pp 104-128
- Tuck, E.O., and Li-San Hwang, "Long Wave Generation on a Sloping Beach," *Journal of Fluid Mechanics*, Vol. 51, Part 3, 1972, pp 449-461
- Tuck, E.O., "Models for Predicting Tsunami Propagation," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech., Inc., Pasadena, CA, 1979, pp 43-104
- Tuck, E.O., H. Allison, S.R. Field, and J.W. Smith, "The Effect of a Submerged Reef on Periods of Sea-level Oscillation in Western Australia," *Aust. Jour. Marine and Freshwater Res.*, Vol. 31, 1980, pp 719-728
- Tucker, M., "Long Waves in the Sea," *J. Sci. Prog.*, Vol. 51, No. 203, 1963, pp 413-424
- Tudor, W.J., *Tsunami Damage at Kodiak, Alaska, and Crescent City, California, from Alaskan Earthquake of 27 March 1964*, U.S. Naval Civil Engineering Laboratory, Port Hueneme, CA, Rept. No. TN-622, 1964, 131 pp
- Tung, C.C., "A Preliminary Investigation of Tsunami Hazard," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, NOAA, U.S. Gov't. Printing Office, Wash., D.C., 1984, pp 149-151
- Turner, A.K., and R.L. Schuster, *Landslides: Investigation and Mitigation*, Special Rept. 247, Transportation Res. Board, National Academy Press, Wash., D.C., 1996
- Tuttle, M., P. Cowie, J. Tinsley, M. Benett, and J. Berrill, "Liquefaction and Foundation Failure of Chevron Oil and Gasoline Tanks at Moss Landing, U.S. Coast and Geodetic Survey, Preliminary Report: Tidal Datum Plane Changes, Prince William Sound, Alaskan Earthquake, March-April, 1964, 1964
- U.S. Coast and Geodetic Survey, *Seismicity and California*, *Geophysical Research Letters*, Vol. 17, No. 10, Sept. 1990, pp 1,797-1,800
- Uchiike, H., and K. Hosono, "Japan Tsunami Warning System; Present Status and Future Plan," In *Tsunami: Progress in Prediction, Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 305-322
- Uda, T., et al., "Numerical Simulation and Experiment on Tsunami Run-up," *Coastal Eng. in Japan*, JSCE, Japan, Vol. 31, 1988, pp 87-104
- Underwater Ground Failures on Tsunami Generation, Modeling Risk and Mitigation*, NATO Advanced Research Workshop, Istanbul, 23-26 May 2001
- United Kingdom, *International Press & Media Briefing*, bottom survey, Bay of Bengal earthquake rupture zone, off Sumatra) 9 Feb. 2005, 36 pp, incl. color images of bottom bathymetry  
[http://www.ukho.gov.uk/whats\\_new.html](http://www.ukho.gov.uk/whats_new.html)
- United Nations, Economic Commission for Latin America and the Caribbean - ECLAC, *The Tsunami of September 1992 in Nicaragua and Its Effects on Development*, LC/L.708, LC/MEX/L.209, 20 October 1992, 37 pp
- U.S. Army Corps of Engineers, Coastal Engineering Research Center, *Shore Protection Manual*, Waterways Experiment Station, Vicksburg, MS, 4th ed., 2 vols., Washington D.C., 1984, various pagination
- U.S. Army Corps of Engineers, Honolulu District, *Hilo Harbor, Hawaii. Report on Survey for Tidal Wave Protection and Navigation*, Nov. 1960, 27 pp and appendices
- U.S. Army Corps of Engineers, Honolulu District, *The Tsunami of 23 May 1960 in Hawaii. Final Post Flood Report*, 25 April 1962, 19 pp
- U.S. Army Corps of Engineers, Los Angeles District, *Effect of Tsunami of 23 May 1960 in the Los Angeles District*, unpublished manuscript, 1965
- U.S. Army Corps of Engineers, U.S. Army Engineer Research and Development Center, *Coastal Engineering Manual*, 2002, various pagination
- U.S. Army Corps of Engineers, U.S. Army Engineer Research and Development Center, *Coastal Engineering Technical Notes*, Vicksburg, MS, updated information, issued as needed  
<http://chl.wes.army.mil/library/publications/cetn>
- U.S. Coast and Geodetic Survey, "Unusual Tidal Registration of Earthquake," (2 and 3 May 1922, tide gage at Galveston, Texas), *Bull. Seis. Soc. Amer.*, Vol. 12, No. 1, March 1922, pp 28-30
- U.S. Coast and Geodetic Survey, Compiled and edited by Mark G. Spaeth, *Annotated Bibliography on Tsunamis*, IUGG Monograph 27, Paris, 1964, 249 pp, (1778 refs.)
- U.S. Coast and Geodetic Survey, *Preliminary Report: Prince William Sound, Alaskan Earthquake, March-April, 1964*, 17 April 1964, 83 pp
- Tsunami Report, Bodega Head, California*, letter report to the U.S. Atomic Energy Commission, October 1964, 9 pp
- U.S. Coast and Geodetic Survey, *Tsunami! The Story*



- of the Seismic Sea-Wave Warning System, U.S. Dept. of Commerce, U.S. Gov't. Printing Office, Wash., D.C., 0-767-154, 1965, 46 pp
- U.S. Congress, Hilo Harbor, Hawaii, "Letter from The Secretary of the Army Transmitting A letter from the Chief of Engineers, dated March 31, 1961, Submitting a Report....;" 87th Congress, 1st Session, House Document No. 197, June 15, 1961, U.S. Gov't. Printing Office, Washington, D.C., 63 pp
- U.S. Geological Survey, *Tsunamis: Hazard Definition and Effects on Facilities*, USGS Open File Report 85-533, 1985
- U.S. Geological Survey, Earthquake Hazards Program, "Magnitude 9.0 - Sumatra-Andaman Islands Earthquake off the West Coast of Northern Sumatra, 2004 December 26 00:58:53 UTC," *Earthquake in the News*, update 04-March-2005, 4 pp printout on 15 April 2005 <http://earthquake.usgs.gov/eqinthenews/2004/usslav/>
- U.S. Geological Survey, Western Coastal & Marine Geology, "Tsunami Generation from the 2004 M = 9.0 Sumatra Earthquake. References, "Tsunamis and Earthquakes, 2-page printout on 25 March 2005 <http://walrus.wr.usgs.gov/tsunami/sumatraEQ/refs.htm> 1
- U.S. Geological Survey, Earthquake Hazards Program, *Finite Fault Model. Magnitude 9.0 Off the West Coast of Northern Sumatra. Sunday, Dec. 26, 2004, at 00:58:53 UTC*, USGS National Earthquake Information, printout on 6 March 2005, 7 pages [http://neic.usgs/neis/eq+depot/2004/eq\\_041226/neic\\_slav\\_ff.html](http://neic.usgs/neis/eq+depot/2004/eq_041226/neic_slav_ff.html)
- U.S. Geological Survey, EERI, NSF, GSMBVSL, and GEOENV, *Tsunamis and Earthquakes - 2005 Sri Lanka Tsunami Study, The December 26, 2004 Indian Ocean Tsunami: Initial Findings on Tsunami Sand Deposits, Damage, and Inundation in Sri Lanka, January 9-15, 2005*. A cooperative study by USGS, EERI, NSF, GDMBSL, and GEOENV, printout on 27 Feb 2005, 3 pp, from website <http://walrus.wr.usgs.gov/tsunami/srilanka05/>
- U.S. Geological Survey, Western Coastal & Marine Geology, *Seismological Aspects of Tsunami Generation. Tsunami Generation from the 2004 M=9.0 Sumatra Earthquake, 26 Dec. 2004*, printout on 25 March 2005 from website, 5 pages <http://walrus.wr.usgs.gov/tsunami/sumatraEQ/seismo.html>
- U.S. Geological Survey, Western Coastal & Marine Geology, *Tsunami Generation from the 2004 M = 9.0 Sumatra Earthquake. Tectonics of Sumatra-Andaman Islands*, printout on 27 March 2005, 3 pp, from website <http://walrus.wr.usgs.gov/tsunami/sumatraEQ/tectonics.html>
- U.S. Geological Survey, Western Coastal & Marine Geology, *Tsunamis and Earthquakes - Tsunami Generation from the 2005 Sumatra Earthquake. Table of Contents. Tsunami Generation Model*. Printout on 25 March 2005, 3 pp, from website <http://walrus.wr.usgs.gov/tsunami/sumatraEQ/model.html>
- U.S. National Ocean Survey, *Tsunami Travel-time* Ursell, F., "The Long-wave Paradox in the Theory of Gravity Waves" *Proc. Cambridge Philosophical Soc.*, Vol. 49, No. 4, 1953, pp 685-694
- Ursell, F., *On the Waves Generated by a Local Surface Disturbance*, personal communication to
- Charts for Use in the Seismic Sea Wave Warning System*, U.S. Dept. Commerce, Washington, D.C., (1971?), 50 charts
- U.S. National Weather Service, *Tsunami! The Great Waves*, 1975; revised, 2002, 12 pp
- U.S. Naval Oceanographic Office, *Earthquakes, Tsunamis, and Volcanoes in the Northeastern Indian Ocean*, Geology Section, Environment Branch, Informal Report IR No. 68-61, August 1968, 13 pp.
- U.S. Navy, Bu. Docks, *Natural Disasters*, NAVDOCKS P-88, Sept. 1961, 58 pp (seismic sea waves, pp 15-18)
- University of Maryland, Dept. Mechanical Engineering, "ME Hosts Tsunami Forum," *METRICS*, Vol. 5, No. 1, Fall 2005, p. 9
- University of Southern California (USC), *Tsunami Research Center*, Los Angeles, CA. A 2-page printout on 4 June 2004, from website <http://www.usc.edu/dept/tsunamis/2005/index.php>
- Unluata, U., and C.C. Mei, *Excitation of Long Waves in Harbors - An Analytical Study*, Tech. Rept. No. 171, Parson Lab., Dept. Civil Engrg., Mass, Inst. Tech., Cambridge, MA, 1973
- Unoki, S., and M. Nakano, "A Note on Forecasting Ocean Waves Caused by Typhoons," *Records Oceanographic Works in Japan*, Vol. 2, No. 1, March 1953, pp 151-161
- Unoki, S., and M. Nakano, "On the Cauchy-Poisson Waves Caused by the Eruption of a Submarine Volcano," *Records of Oceanographic Works in Japan*, Vol. 1, No. 1, (new series), March 1953, pp 11-17
- Unoki, S., and M. Nakano, "On the Cauchy-Poisson Waves Caused by the Eruption of a Submarine Volcano. 1st Paper," *Oceanographical Magazine*, Japan, Vol. 4, No. 4, March 1953, pp 119-141
- Unoki, Sanae, and Masito Nakano, "On the Cauchy-Poisson Waves Caused by the Eruption of a Submarine Volcano. 2nd Paper," *Oceanographical Magazine*, Japan, Vol. 5, No. 1, June 1953, pp 1-13
- Unoki, S., and M. Nakano, "On the Cauchy-Poisson Waves Caused by the Eruption of a Submarine Volcano (III)," *Papers in Meteorology and Geophysics*, Japan, Vol. 4, Nos. 3-4, Dec. 1953, pp 139-150
- Urban, G.W., A.H. Medbery, and T.J. Sokolowski, "Using a Satellite Telephone to Retrieve Tsunami Data from Tide Sites in the Pacific Basin," *Science of Tsunami Hazards*, Vol. 19, No. 2, 2001, pp 71-76
- Urban Regional Research, *Comprehensive Planning for Tsunami Hazard Areas*, prepared for the National Science Foundation, Urban Regional Research, Seattle, WA, 1988, 246 pp
- Ursell, F., "Trapping Modes in the Theory of Surface Waves," *Proc. Cambridge Philos. Soc.*, Vol. 47, 1951, pp 347-358
- Ursell, F., "Edge Waves on a Sloping Beach," *Proc. Roy. Soc. (London)*, Vol. A214, 1952, pp 79-97
- Robert L. Wiegel, University of California, Berkeley, CA, July 1958, 10 pp
- Usami, Tatsuo, "Beware the Tidal Wave," *Look Japan*, Vol. 39, No. 452, Nov. 1993, pp 22-23

- USC Tsunami Research Center, University of Southern California, Los Angeles, CA, *USC Tsunami Research Center Website*  
<http://www.usc.edu/dept/tsunamis/2005/index.html>
- Utsu, T., and A. Seki, "Relation Between the Area of Aftershock Region and the Energy of Main-shock," *Zisin (J. Seismol. Soc. Japan)*, Series II, Vol. 7, 1954, pp 233-240 (in Japanese)
- Uy, E.A., and B.T. Punsalan, "Earthquake and Tsunami Prone Areas in the Philippines," *Geologic Hazards and Disaster Preparedness System*, PHIVOLCS Report 1987, pp 38-55
- Valensise, G., and S.N. Ward, "Long-term Uplift of the Santa Cruz Coastline in Response to Repeated Earthquakes along the San Andreas Fault," *Bull. Seis. Soc. Amer.*, Vol. 81, No. 5, Oct. 1990, pp 1,694-1,704
- Van Campen, Wilvan G. (translator), "The Tsunami of 4-5 November 1952," by E.F. Savarensky, V.G. Tischenko et al., *Bulletin of the Council for Seismology, Academy of Sciences of the USSR*, No. 4, 1958, pp 1-60; Translation Series No. 10, Hawaii Institute of Geophysics, Univ. of Hawaii, Honolulu, HI, 1961, 59 pp
- VandeHei, Jim, and Robin Wright, (Washington Post), "Bush on U.S. Role: We Will Head Disaster Relief Effort," *San Francisco Chronicle*, CA, 30 Dec. 2004, p. A3
- Van Den Driessche, P., and R.D. Braddock, "On the Elliptic Generating Region of a Tsunami," *Jour. Marine Research*, Vol. 30, 1972, pp 217-226
- Van Dorn, William G., "A Portable Tsunami Recorder," *Trans. Amer. Geophys. Union*, Vol. 37, No. 1, 1956, pp 27-30
- Van Dorn, William G., *Local Effects of Impulsively Generated Waves*, Rept. No. II, Tech. Rept. No. 2, Contract No. 233(35), Scripps Institution of Oceanography, Univ. of Calif., La Jolla, CA, Aug. 1959, 80 pp
- Van Dorn, W.G., "A New Long-period Wave Recorder," *J. Geophys. Res.*, Vol. 65, 1960, pp 1,007-1,012
- Van Dorn, William G., "Tsunamis," *Trans., Amer. Geophys. Union*, Vol. 41, No. 2, 1960, pp 265-266
- Van Dorn, William G., "Some Characteristics of Surface Waves in the Sea Produced by Nuclear Explosions," *Jour. Geophys. Res.*, Vol. 66, No. 11, Nov. 1961, pp 3,845-3,862
- Van Dorn, William G., "The Source Motion of the Tsunami of March 9, 1957, as Deduced from Wave Measurements at Wake Island," *Proc. Tsunami Symposium, 10th Pacific Science Congress, Honolulu, HI, 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, Paris, July 1963, pp 39-48
- Van Dorn, William G., "Source Mechanism of the Tsunami of March 28, 1964 in Alaska," *Proc. 9th Conf. Coastal Engineering, Lisbon, Portugal, 1964*, ed. J.W. Johnson, ASCE, 1965, pp 166-190
- Van Dorn, William G., "Tsunamis," *Advances in Velasco, A.A., C.J. Ammon, T. Lay, and J. Zhang, "Imaging a Slow Bilateral Rupture with Broadband Seismic Waves: The September 2, 1992, Nicaragua Tsunami Earthquake," Geophys. Res. Lett.*, Vol. 21, 1994, pp 2,692-2,632
- Hydroscience*, Academic Press, Vol. 2, 1965, pp 1-48
- Van Dorn, W. G., *Theoretical and Experimental Study of Wave Enhancement and Runup on Uniformly Sloping Impermeable Beaches*, SIO Rept. 66-11, Univ. of Calif., San Diego, CA, 1966, 101 pp
- Van Dorn, W.G., "Tsunamis," In *Contemporary Physics. A Review of Physics and Associated Technologies*, Taylor & Francis, Ltd., London, Vol. 9, No. 2, March 1968, pp 145-164
- Van Dorn, W.G., B. Le Mehaute, and Li-San Hwang, *Handbook of Explosion-Generated Water Waves, Volume I - State-of-the-Art*, Report No. TC-130, Tetra Tech, Inc., Pasadena, CA, October 1968
- Van Dorn, William G., "Tsunami Response at Wake Island: A Model Study," *Journal of Marine Research*, Vol. 28, No. 3, Sept. 1970, pp 336-344
- Van Dorn, W.G., "A Model Experiment on the Generation of the Tsunami of March 28, 1964, in Alaska," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 33-45
- Van Dorn, W.G., "Instrumentation and Observations," In *Tsunamis: Proc. of the National Science Foundation Workshop, May 1979*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc. Pasadena, CA, 1979, pp 281-295
- Van Dorn, W.G., "Some Tsunami Characteristics Deducible from Tide Records," *Jour. Physical Oceanography*, Vol. 14, No. 2, 1984, pp 353-363
- Van Dorn, W.G., "Tide Gage Response to Tsunamis. Part II: Other Oceans and Smaller Seas," *Jour. Phys. Oceanogr.*, Vol. 17, 1987, pp 1,507-1,516
- Van Huene, R., C.R. Ranero, and P. Watts, "Tsunamigenic Slope Failure along the Middle America Trench in Two Tectonic Settings," *Marine Geology*, Vol. 203, 2004, pp 303-317
- Vargas, Patricia Arreaga, "Tsunami Maps Developed for Esmeraldas, Ecuador," *Tsunami Newsletter*, Vol. 35, No. 2, April 2003, pp 1 and 8
- Varley, E., R. Venkataraman, and E. Cumberbatch, *The Propagation of Large Amplitude Tsunamis Across a Basin of Changing Depth*, Lehigh Univ., Center for the Application of Mathematics, Bethlehem, PA, Tech. Rept. No. CAM-110-17, June 1971, 52 pp
- Vastano, A.C., and R.O. Reid, *A Numerical Study of the Tsunami Response at an Island*, Texas A & M University, Dept. of Oceanography, Proj. 471, Ref. 66-26T, 1966
- Vastano, A.C., and R.O. Reid, "Tsunami Response for Islands: Verification of a Numerical Procedure," *Jour. Marine Research*, Vol. 25, No. 2, 1967, pp 129-139
- Vastano, A.C., and R. O. Reid, "Tsunami Response at Wake Island: Comparison of the Hydraulic and Numerical Approaches," *Jour. Marine Research*, Vol. 28, No. 3, 1970, pp 345-356
- Verrengia, Joseph B. (Associated Press), "India and Sri Lanka Lacked Early Warning System to Save Lives," *San Francisco Chronicle*, CA, 27 Dec. 2004, p. A13
- Verriere, M., and M. Lenoir, "Computation of Waves

- Generated by Submarine Landslides," *Int. J. Numer. Methods Fluids*, Vol. 14, 1992, pp 403-421
- Visher, D.L., "Rockfall Induced Waves in Reservoirs," *Water Power & Dam Construction*, Sept. 1986, pp 45-48
- Vitousek, M.J., "Proposed Mid-ocean Tsunami Gage and Oceanography Instrument System," *Proc. Tsunami Meetings Associated with Tenth Pacific Science Congress, Honolulu, HI, 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, July 1963, Paris, pp 131-133
- Vitousek, M.J., "The Tsunami of 22 May 1960 in French Polynesia," *Bull. Seismological Soc. Amer.*, Vol. 53, No. 6, Dec. 1963, pp 1,229-1,236
- Vitousek, M.J., and G. Miller, "An Instrumentation System for Measuring Tsunamis in the Deep Ocean," *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Honolulu, HI, 1970, Ch. 16, pp 239-252
- Vitousek, Martin (obituary, died 14 Feb. 1999), "Memorium - Professor Martin Vitousek," by Anon., *Science of Tsunami Hazards*, Vol. 17, No. 2, 1999, p. 135
- Vogel, Gretchen, "Using Scientific Assessments to Stave off Epidemics," *Science*, Vol. 307, No. 5708, 21 Jan. 2005, p. 345
- Vogel, Nancy, "California's Readiness Lags Other Pacific Coast States," *Los Angeles Times*, CA, 28 Dec. 2004, p. A12
- Vogelmann, S., *Sensitivity Study of Numerical Simulation of Tsunamis Generated by Submarine Slope Failure*, MS thesis, Univ. Rhode Island, Kingston, RI, 2001
- Voit, S.S., "On Elastic Oscillations of the Ocean Bottom Caused by Tsunami Waves," *Symposium on Tsunami and Storm Surges*, Aug. 25-26, 1966, *The 11th Pacific Science Congress, Tokyo: Proceedings*, ed. Ryutaro Takahasi, Committee for the PSC Tsunami and Storm Surges Symposium, Tokyo, March 1967, pp 35-41
- Voit, S.S., and B.I. Sebekin, "Some Hydrodynamic Models of Nonstationary Wave Motions of Tsunami Waves," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 305-317
- Voit, S.S. (sic Voyt, S.S. ?), A.N. Lebedev, and B.I. Sebekin, "On One Model of Tsunami Waves' Excitation by Finite Bottom Motions," *Symposium on Tsunamis: Proceedings, Ensenada, Baja California, Mexico, March 23-26, 1977*, printed by Dept. Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Series No. 48, 1978, pp 55-64
- Voit, S.S., and B.I. Sebekin, "The Influence of the Earth's Rotation on the Energy Characteristics of Tsunami Waves," *Science of Tsunami Hazards*, Vol. 4, No. 1, 1986, pp 55 -60
- Voit, S.S., "Tsunamis," *Annual Review of Fluid Mechanics*, Vol. 19, 1987, pp 210-236
- Voit, Sergei Sergeevich (1920-1987), "Memorium to...", by S.L. Soloviev, V.D. Larichev., B.I. Walker, D.A., *Tsunami Facts*, Tech. Rept. 94-03, School of Earth Science and Technology, Univ. Hawaii, Honolulu, 1994, 91 pp
- Walker, Daniel A., "Observations of Tsunami 'Shadows': Technique for Assessing Tsunami Wave Heights?," *Science of Tsunami Hazards*, Vol. 14, No. Sebekin, and V.V. Zmur, *Science of Tsunami Hazards*, Vol. 7, No. 1, 1989, pp 55-63 (includes list of publications by Professor S.S. Voit)
- Voltzinger, Naum E., and Konstantin A. Klevanny, "Calculation of Storm Surges and Tsunamis via Boundary-fitted Coordinates," *Marine Geodesy*, Vol. 13, No. 4, 1989, pp 29-311
- von Hillebrandt-Andrade, Christa G., "Puerto Rico Tsunami Technical Review Committee Established," *Tsunami Newsletter*, Vol. 36, No. 1, Jan.-March 2004, p. 9
- Von Huene, Roland, and Doak C. Cox, "Locally Generated Tsunamis and Other Local Waves," In *The Great Alaskan Earthquake of 1964: Oceanography and Coastal Engineering*, National Academy of Sciences, Washington, D.C., 1972, pp 211-221
- von Huene, R., C.R. Ranero, and P. Watts, "Tsunamigenic Slope Failure Along the Middle America Trench in Two Tectonic Settings," *Marine Geology*, Vol. 203, Issues 3-4, 2004, pp 303-317
- Voyt, S.S. - See Voit, S.S.
- Wada, T., T. Furuzawa, and H. Ono, "Source-mechanism of the Chilean Earthquake from Spectra of Long-period Surface Waves," *Zisin, Japan, Ser. 2*, Vol. 16, 1963, pp 181-187
- Wadati, Kiyoo, "On Natural Disaster," *Jour. Geogr.*, Vol. 57, 1948, pp 2-8
- Wadati, K., T. Hirono, and S. Hisamoto, "On the Tsunami Warning Service in Japan," In *Proc. of the Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. of Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG Monograph No. 24, Paris, July 1963, pp 138-146
- Wakayama, Yotaro, "The Tsunami Warning," *Jour. Meteorol. Soc. Japan*, 1st Series, Vol. 15, 1896, pp 322-323
- Walder, J.S., P. Watts, O.E. Sorensen, K. Janssen, "Water Waves Generated by Subaerial Mass Flows," *Jour. Geophys. Res.*, Vol. 108, No. B5, 2003, pp 2,236-2,255
- Waldman, Amy (New York Times), "Quake, Tsunami Kill Thousands," *San Francisco Chronicle*, CA, 27 December 2004, pp A1 and A14
- Walker, D.A., C.S. McCreery, and Y. Hiyoshi, "T-Phase Spectra, Seismic Moments, and Tsunamigenesis," *Bull. Seis. Soc., Amer.*, Vol. 82, 1992, pp 1,275-1,305
- Walker, D.A., and E.N. Bernard, "Comparison of T-phase Spectra and Tsunami Amplitudes for Tsunamigenic and Other Earthquakes," *Jour. Geophys. Res.*, Vol. 98, 1993, pp 12,557-12,565
- Walker, Daniel A., and Paul G. Okubo, "The T-Phase of the 1 April 1946 Aleutian Islands Tsunami Earthquake," *Science of Tsunami Hazards*, Vol. 12, No. 1, 1994, pp 39-51
- 1, 1996, pp 3-11
- Walker, Daniel A., "Human Factors Compounding the Destructiveness of Future Tsunamis," *Science of Tsunami Hazards*, Vol. 14, No. 2, 1996, pp 79-83
- Walker, Daniel A., "The July 1998 New Guinea Tsunami

- Carries Bad News for Hawaii," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 55-56
- Walker, Daniel A., "Real-time Visual Observations of Small Tsunamis in Hawaii Generated by the December 5, 1997 Kamchatka Earthquake," *Science of Tsunami Hazards*, Vol. 16, No. 1, 1998, pp 57-61
- Walker, Daniel, A., "Issues Related to Local Tsunamis in Hawaii," *Science of Tsunami Hazards*, Vol. 17, No. 2, 1999, pp. 71-84
- Walker, Daniel A., "Twentieth Century Ms and Mw Values as Tsunamigenic Indicators for Hawaii," *Science of Tsunami Hazards*, Vol. 18, No. 2, 2000, pp 69-76
- Walker, Daniel A., and Robert K. Cessaro, "Locally Generated Tsunamis in Hawaii: A Low Cost, Real Time Warning System with World Wide Applications," *Science of Tsunami Hazards*, Vol. 20, No. 4, 2002, pp 177-186
- Walker, Daniel A., "Shoreline Modeling Segments in the Hawaiian Islands Critical for Regional Tsunami Evacuation Determination," *Science of Tsunami Hazards*, Vol. 22, No. 2, 2004, pp 69-73
- Walker, Daniel A., "Regional Tsunami Evacuation for the State of Hawaii: A Feasibility Study Based on Historical Runup Data," *Science of Tsunami Hazards*, Vol. 22, No. 1, 2004, pp 3-22
- Walker, J.T., "On the Earthquake of the 31st of December 1881," *Proc. Asiatic Soc. of Bengal*, Calcutta, India, 1883, pp 60-62
- Walker, J.T., "Earthquake Disturbance of the Tides on the Coasts of India," *Nature*, Vol. 29, 1884, pp 358-360
- Wall, A.E.P., *The Big Wave - May 23, 1960*, Hilo Herald-Tribune, Hilo, Hawaii, 1960, 30 pp
- Wallace, R.E., G. Pararas-Carayannis, R. Valenzuela, and J.N. Taggart, "Earthquake and Tsunamis of August 17, 1976, Mindanao, Philippines," *Geol. Soc. Amer., Abstract with Programs* 9, 1977, p. 523
- Wallace, Terry C., "The Hazards from Tsunamis," *TsuInfo Alert*, Vol. 2, No. 2, March-April 2000
- Walling, James M., Dale Freeman, and William M. Adams, "Initiating an IBM System/360 Document Processing System for Tsunami Research Using an Existing KWIC Index Data Base," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 477-484
- Wall Street Journal News Roundup, "Death Toll Tops 117,000 as Fear of Disease Mounts; False Alarm Sparks Exodus," *The Wall Street Journal*, 31 Dec. 2004, p. A3
- Walsh, J.P., and Harry Yeh, "The Effect of Bathymetry on Tsunami Characteristics at Sisano Lagoon, Papua New Guinea," *Geophysical Research Letters*, Vol. 26, No. 23, 1999, pp 3,513-3,516
- Walsh, Timothy J., "Tsunami Hazards in Washington," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Warren, I.R., and H.I. Bundgaard, "A Comparison Between Physical and Numerical Models of Tsunamis," *IAHR XXII Congress, Lausanne, 1987*
- Washington Military Department, Emergency Management Division, Washington, USA Version, *How The Smart Family Survived a Tsunami*: PDF (5.38 MB), 24/03/05
- Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, p. 35
- Walsh, T.J., C.G. Caruthers, A.C. Heinitz, E.P. Myers, III, A.M. Baptista, G.B. Erdakos, and R.A. Kamphaus, *Tsunami Hazard Map of the Southern Washington Coast; Modeled Tsunami Inundation from a Cascadia Subduction Zone Earthquake*, Washington Division of Geology and Earth Resources Geologic Map GM-49, 2000, scale 1:100,000
- Walters, Roy A., "Assessing Tsunami Hazard Along the New Zealand Coast," *Science of Tsunami Hazards*, Vol. 21, No. 3, 2003, pp 137-153
- Walton, R., and B.A. Christensen, "Friction Factors in Storm Surges over Inland Areas," *Jour. Waterways, Port, Coastal, and Ocean Div., Proc. ASCE*, Vol. 106, No. 2, 1980, pp 261-271
- Wang, Keh-Han, Theodore Y. Wu, and George T. Yates, "Three-dimensional Scattering of Solitary Waves by Vertical Cylinder," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 118, No. 5, Sept./Oct. 1992, pp 551-566
- Wang, Keh-Han, "Diffraction of Solitary Waves by Breakwaters," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 119, No. 1, Jan./Feb. 1993, pp 49-69
- Ward, S.N., "Relationship of Tsunami Generation and an Earthquake Source," *Jour. Physics of the Earth*, Vol. 28, 1980, pp 441-474
- Ward, S.N., "On Tsunami Nucleation I. A Point Source," *Jour. Geophys. Res.*, Vol. 86, No. B9, 1981. pp 7,895-7,900
- Ward, S.N., "On Tsunami Nucleation: II. An Instantaneous Modulated Line Source," *Phys. Earth Planet Inter.*, Vol. 27, No. 4, 1982, pp 273-285
- Ward, S.N., "Earthquake Mechanism and Tsunami Generation: the Kurile Islands Event of October 13, 1963," *Bulletin, Seismological Soc. Amer.*, Vol. 72, 1982, pp 759-777
- Ward, S.N., and G. Valensise, "The Palos Verdes Terraces, California: Bathtub Rings from a Buried Reverse Fault," *Jour. Geophysical Res.*, Vol. 99, No. B3, 1994, pp 4,485-4,494
- Ward S.N., "Asteroid Impact Tsunami: A Probabilistic Hazard Assessment," *Icarus*, Vol. 145, 2000, pp 64-78
- Ward, S.N., "Landslide Tsunami," *Jour. Geophys. Res.* Vol. 106, No. 6, 2001, pp 11,201-11,215
- Ward, S.N., "Cumbre Vieja Volcano: Potential Collapse and Tsunami at La Palma, Canary Islands," *Geophys. Res. Lett.*, Vol. 28, No. 17, 2001, pp 3,397-3,400
- Ward, Steven N., "Tsunamis," In *Encyclopedia of Physical Science and Technology*, Vol. 17, ed. R.A. Meyers, Academic Press, San Diego, CA, 2002, pp 175-191
- Watanabe, H., "Studies on the Tsunamis on the Pacific Coast of Northern Japan," *Geophys. Magazine*, Vol. 27, 1956, pp 61-75
- Watanabe, H., "The Motion of Tsunami at the Inner Part of Bays, Especially on the Distribution of

- Maximum Height of Tsunami," *Jour. Oceanogra. Soc. Japan*, 20th Anniversary Volume, 1962, pp 330-345
- Watanabe, Hideo, "Studies on the Tsunamis of the Sanriku Coast of Northeastern Honshu, Japan," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 103-105
- Watanabe, H., "Studies on the Tsunamis on the Sanriku Coast of North-eastern Honshu in Japan," *Geophys. Magazine*, Vol. 32, 1964
- Watanabe, H., "Table of Tsunamis Around Japan Islands," *Zishin*, Japan, Ser. 2, Vol. 21, 1968, pp 293-313
- Watanabe, H., "Statistical Studies of Tsunami Sources and Tsunamiogenic Earthquakes Occurring in and Near Japan," In *Tsunamis in the Pacific Ocean*, Univ. Hawaii, Honolulu, HI, 1969, ed. W.M. Adams, East-West Center Press, Univ. of Hawaii, Honolulu, 1970, pp 99-117
- Watanabe, H., "Tsunami Warning Service and Its System in Japan," In *Technology for Disaster Prevention of National Research Center for Disaster Prevention Science and Technology*, The Government of Japan, 1977, pp 213-328
- Watanabe, H., *Hazardous Tsunami Catalog in Japan*, Univ. Tokyo Press, Japan, 1985, 206 pp
- Watts, P., and F. Raichlen, "Water Waves Generated by Underwater Landslides," *Seis. Res. Lett.*, Vol. 65, 1994, p. 25 (abstract)
- Watts, P., *Water Waves Generated by Underwater Landslides*, Ph.D. thesis, California Institute of Technology, Pasadena, CA, 1997, 319 pp
- Watts, P., "Wavemaker Curves for Tsunami Generated by Underwater Landslides," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 124, No. 3, May/June 1998, pp 127-137
- Watts, P., "Tsunami Features of Solid Block Underwater Landslides," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 126, No. 3, May/June 2000, pp 144-152
- Watts, P., F. Imamura, and S.T. Grilli, "Comparing Model Simulations of Three Benchmark Tsunami Generation Cases," *Science of Tsunami Hazards*, Vol. 18, No. 2, 2000, pp 107-124
- Watts, Phillip, "Some Opportunities of the Landslide Tsunami Hypothesis," *Science of Tsunami Hazards*, Vol. 19, No. 3, 2001, pp 126-149
- Watts, P., F. Imamura, A. Bengston, and S.T. Grilli, "Benchmark Cases for Tsunamis Generated by Underwater Landslides," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001, San Francisco, CA, Sept. 2-6, 2001*, eds. Billy L. Edge and J. Michael Hemsley, ASCE, Vol. 2, 2002, pp 1,505-1,514
- Watts, Phillip, "The Need for Underwater Landslide Webster, F.L., "The Mathematics of Tsunamis at Small Islands," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Honolulu, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, Monograph No. 24, July 1963, p. 249
- Webster, F.L., and B. Perry, *Amplification of Hazards Prediction*, *Science of Tsunami Hazards*, Vol. 20, No. 2, 2002, pp 95-101
- Watts, Philip, Gerard J. Fryer, Stephen P. Grilli, James T. Kirby, and Fumihiko Imamura, "The 1946 Event: A Transoceanic Tsunami Generated by an Underwater Landslide," In *IUGG 2003, June 30-July 11, 2003, Sapporo, Japan: Abstracts, Week B*, IUGG XXIII General Assembly, Tsunamis: Their Science, Engineering and Hazard Mitigation (IASPEI, IAVCEI, IAPSO), 21st IUGG International Tsunami Symposium, p. B.157
- Watts, Philip, and Stephen T. Grilli, "Underwater Landslide Shape, Motion, Deformation, and Tsunami Generation," *Proc. Thirteenth (2003) International Offshore and Polar Engineering Conf., Honolulu, HI, USA, May 25-30, 2003*, International Society of Offshore and Polar Engineers, Cupertino, CA, 3, pp 364-371
- Watts, P., S.T. Grilli, K.T. Kirby, G.J. Fryer, D.R. Tappin, "Landslide Tsunami Case Studies Using a Boussinesq Model and a Fully Nonlinear Tsunami Generation Model," *Nat. Haz. Earth Syst. Sci.*, Vol. 3, No. 5, 2003, pp 391-402
- Watts, P., "Probabilistic Analyses of Landslide Tsunami Hazards," In *Submarine Mass Movements and their Consequences*, eds. J. Locat and J. Mienert, Kluwer Acad. Pub., The Netherlands, 2003, pp 163-170
- Watts, P., "Probabilistic Predictions of Landslide Tsunamis off Southern California," *Marine Geology*, Vol. 230, 2004, pp 281-301
- Watts, Phillip, Stephan T. Grilli, David R. Tappin, and Gerard J. Fryer, "Tsunami Generation by Submarine Mass Failure. II: Predictive Equations and Case Studies," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 131, No. 6, Nov./Dec. 2005, pp 298-310
- Waythomas, C.F., and C.A. Neal, "Tsunami Generation by Pyroclastic Flow During the 3500 Yr. B.P. Caldera-forming Eruption of Aniakchak Volcano," *Bull. Volcan.*, Vol. 60, 1998, pp 110-126
- Waythomas, Christopher, "Revaluation of Tsunami Formation by Debris Avalanche at Augustine Volcano, Alaska," In *Landslides and Tsunamis, Pure and Applied Geophysics*, eds. H. Keating, C.F. Waythomas, and A.G. Dawson, Birkhauser Verlag, Basel, Vol. 157, 2000, pp 1,145-1,188
- Webb, D.J., "A Model of Continental Shelf Resonances," *Deep Sea Research*, Vol. 23, 1976, pp 1-15
- Webb, Lois M., "Theory of Waves Generated by Surface and Sea-bed Disturbances," Appendix 1 of *The Nature of Tsunamis, Their Generation and Dispersion in Water of Finite Depth*, Tech. Rept. No SN 57-2, National Engineering Science Co., 1962, pp 1-1 to 1-45
- Weber, F. Harold, Jr., and Edmund W. Kiessling, "Historic Earthquakes. Effects in Ventura County," *California Geology*, May 1978, pp 103-107 and cover
- Tsunamis by Oceanic Islands*, Hawaii Inst. Geophys., Univ. Hawaii, Honolulu, Rept. HIG-66-11; also Stanford Univ. Tech. Rept. 67, 1966
- Wehausen, J.V., and E.V. Laitone, "Surface Waves," *Handbuch der Physik*, Vol. 9, 1960, pp 446-778

- Wei, J., J.T. Kirby, S.T. Grilli, and R. Subramanya, "A Fully Nonlinear Boussinesq Model for Surface Waves. Part 1. Highly Nonlinear Unsteady Waves," *J. Fluid Mech.*, Vol. 294, 1995, pp 71-92
- Wei, Yong, Kwok Fai Cheung, George D. Curtis, and Charles S. McCreery, "Inverse Algorithm for Tsunami Forecasts," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol 129, No. 2, March/April 2003, pp 60-69
- Weigel, E.P., *Tsunami!*, National Oceanic and Atmospheric Administration, Vol. 4, No. 1, January 1975
- Weinstein, S.A., and E.A. Okal, "The Mantle Magnitude Mm and the Slowness Parameter (Sic, Greek "theta"): Five Years of Real-time Use in the Context of Tsunami Warnings," *Bull. Seismol. Soc. Amer.*, Vol. 95, 2005, pp 779-799
- Weinstein, S.A., C. McCreery, B. Hirshorn, and P. Whitmore, "Comment on 'A Strategy to Rapidly Determine the Magnitude of Great Earthquakes,' by W. Menke and V. Levin," *EOS, Trans., AGU*, Vol. 86, No. 28, 12 July 2005, pp 263-264; also, *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 8-10
- Weinstein, Stuart, "PTWC News: Activities," *Tsunami Newsletter*, Vol. 37, No. 1, Nov. 2004 - Sept. 2005, pp 19-20
- Weischet, Wolfgang, "Further Observations of Geologic and Geomorphic Changes Resulting from the Catastrophic Earthquake of May 1960 in Chile," (translated by R. Von Huene), *Bull. Seis. Soc. Amer.*, Vol. 53, No. 6, Dec. 1963, pp 1,237-1,257
- Weisert, Thomas P., "Tsunami Travel Time Charts for the Caribbean," *Science of Tsunami Hazards*, Vol. 8, No. 2, 1990, pp 67-77
- Welch, J.E., et al., *The MAC Method, A Computing Technique for Solving Viscous, Incompressible, Transient Fluid-flow Problems Involving Free Surfaces*, Los Alamos Scientific Laboratory, Los Alamos, NM, Rept. LA-3425, March 1966. See also, *Phys. Fluids*, Vol. 8, 1965, pp 2,182 - and Vol. 9, 1965, pp 842-
- Weldin, Capt. George K, "Operation Helping Hand," *The Military Engineer*, Vol. 56, No. 372, July-Aug. 1964, pp 249-250
- Weldy, Edward E., *Natural Hazards in California, Tsunamis*, California Division of Mines and Geology Unpublished Report, 1973, 19 pp
- Weller, J.M., "Human Response to Tsunami Warnings," *The Great Alaska Earthquake of 1964. Oceanography and Coastal Engineering*, National Acad. Sciences, National Research Council, Washington D.C., 1972, pp 222-228
- Wells, D., and K. Coppersmith, "New Empirical Relationships Among Magnitude, Rupture Length, Rupture Width, Rupture Area, and Surface Displacement," *Bull. Seis. Soc. Amer.*, Vol. 84, No. Whelan, Franziska, "Geomorphic Evidence and Relative Absolute Dating Results for Tsunami Events on Cyprus," *Science of Tsunami Hazards*, Vol. 20, No. 1, 2002, pp 3-18
- Whisler/Patri Associates, *Crescent City: Tsunami Project, California. Land Use Plan Schemes 2, 3, and 4*, prepared for the Tsunami Redevelopment Project of Crescent City, CA, by Whisler/Patri Associates, San Francisco, CA, 15 Oct. 1965, 3 sheets
- White-Parsons, Gordon Douglas, "The Construction of Jetties in Exposed Roadsteads with Particular Reference to the Reinforced Concrete Structure Provided at Tolaga Bay, New Zealand," *Jour. Institution of Civil Engineers (London)*, Vol. 4, 1944, pp 214-227
- 4, 1994, pp 974-1,002
- Welsch, R.L., and J. Terrell, "Papua New Guinea Begins Rebuilding After Tidal Wave Disaster," *In the Field*, The Field Museum's Membership Publication, Vol. 70, No. 1, 1999, p. 7
- Wessel, P., and W.H.F. Smith, "Free Software Helps Map and Display Data," *EOS, Trans., Amer. Geophys. Union*, Vol. 72, 1991, pp 441 and 445-446
- West Coast/Alaska Tsunami Warning Center and Alaska Earthquake Information Center, "Rat Island Aleutians Islands, 17 November 2003," *Tsunami Newsletter*, Vol. 35, No. 5, Aug.-Dec. 2003, pp 11-12
- Western Canada Hydraulics Laboratory Ltd., *Hydraulic Model Studies: Wave Action Generated by Slides into Mica Reservoir*. Report to CASECO Consultants, Ltd., Vancouver, B.C., Canada, for British Columbia Hydro and Power Authority: Columbia River Development, Mica Project, 1970, 74 pp
- Western States Seismic Policy Council (WSSPC), *Tsunami Hazard Mitigation Symposium Proceedings, Ocean Pointe Resort, Victoria, BC, Canada, Nov. 4, 1997*, compiled by Steven Ganz and Theresa Traynor, Palo Alto, CA, 1998, 78 pp
- Whalin, R.W., *Research on the Generation and Propagation of Water Waves Produced by Explosions; Part II: A Prediction Method*, National Marine Consultants Division, Interstate Electronics Corp., Anaheim, CA, 1965
- Whalin, R.W., *Contributions to the Mono Lake Experiments; Vol. II, The Linear Theory of Water Waves Generated by Explosions*, National Engineering Science Co., Pasadena, CA, Rept. S-256-2, 1965
- Whalin, R.W., D.R. Bucci, and J.N. Strange, "A Model Study of Wave Run-up at San Diego, California," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 427-452
- Whalin, R.W., C.E. Pace, and J.N. Strange, *Surface Waves Resulting from Explosions in Deep Water; Summary of Results, Comparison with Theory and Development of a Prediction Method*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. No. 1-647, Rept. 5, March 1970
- Whalin, R.W., C.E. Pace, and W.F. Lane, *Mono Lake Explosion Test Series, 1965; Analysis of Surface Wave and Wave Runup Data*, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, Tech. Rept. N-70-12, Aug. 1970
- Whalin, R.W., A.W. Garcia, and H.L. Butler, "Effect of Source Orientation and Location in the Aleutian Trench on Far-field Tsunami Amplitude," In *Tsunami Research Symposium 1974*, Wellington, New Zealand, 29 Jan.-1 Feb. 1974, eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bulletin 15, and UNESCO Press, 1976, pp 141-154

- Whitham, G.B., "The Effects of Hydraulic Resistance in the Dam-break Problem," *Proc. Royal Soc. (London)*, Series A, Vol. 227, 1955, pp 399-407
- Whitham, G.B., *Linear and Nonlinear Waves*, John Wiley and Sons, Inc., New York, 1974, 636 pp
- Whitmore, P.M., and T.J. Sokolowski, "Rapid Sizing of Potentially Tsunamiogenic Earthquakes at Regional Distances in Alaska," *Science of Tsunami Hazards*, Vol. 5, No. 2, 1987, pp 67-76
- Whitmore, P.M., "Expected Tsunami Amplitudes and Currents Along the North American Coast for Cascadia Subduction Zone Earthquakes," *Natural Hazards*, Vol. 8, 1993, pp 59-73
- Whitmore, P.M., and T.J. Sokolowski, "Predicting Tsunami Amplitudes Along the North American Coast from Tsunamis Generated in the Northwest Pacific Ocean during Tsunami Warnings," *Science of Tsunami Hazards*, Vol. 14, No. 3, 1996, pp 147-166
- Whitmore, P.M., T.J. Sokolowski, S. Tsuboi, and B. Hirshom, "Magnitude-dependent Correction for MWP," *Science of Tsunami Hazards*, Vol. 20, No. 4, 2002, pp 187-192
- Whitmore, Paul M., "Tsunami Amplitude Prediction During Events: A Test Based on Previous Tsunamis," *Science of Tsunami Hazards*, Vol. 21, No. 2, 2003, pp 135-143
- Wickremasinghe, Nira, "SOS Sri Lanka," *The Wall Street Journal*, 30 Dec. 2004, p. A8
- Wiegel, Robert L., "Laboratory Studies of Gravity Waves Generated by the Movement of a Submerged Body," *Transactions, American Geophysical Union*, Vol. 36, No. 5, October 1955, pp 759-774
- Wiegel, Robert L., "A Presentation of Cnoidal Wave Theory for Practical Application," *Jour. Fluid Mech.*, Vol. 7, Part 2, 1960, pp 273-286
- Wiegel, Robert L., and Data Camotim, "Model Study of Oscillations of Hebgen Lake," *Bull. Seis. Soc. Amer.*, Vol. 52, No. 2, April 1962, pp 273-277
- Wiegel, Robert L., "Research Related to Tsunamis Performed at the Hydraulic Laboratory, University of California, Berkeley, In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 174-197
- Wiegel, Robert L., *Oceanographical Engineering*, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1964, 532 pp
- Wiegel, Robert L., *Tsunami Information in Regard to Proposed Nuclear Power Plant Site, Pacific Gas and Electric Company, at Bodega Head, California*, Consultant Report to Pacific Gas and Electric Co., San Francisco, CA, 6 May 1964, 23 pp
- Wiegel, Robert L., *Possibility of Tsunamis at Bodega Head, and Forces Exerted by Such Waves*, Consultant  
Wiegel, Robert L., "Forces Induced by Breakers on Piles," In *Proceedings of the Eighteenth Coastal Engineering Conference*, Nov. 14-19, 1982, Cape Town, Republic of South Africa, ed. Billy L. Edge, ASCE, Vol. II, 1983, pp 1,699-1,715
- Wiegel, Robert L., "Transformation of Swell Over a Reef," *Shore & Beach*, Vol. 58, No. 2, April 1990, cover and p. 31 (photos)
- Report to Pacific Gas & Electric Co., San Francisco, CA, Sept. 1964, 25 pp and 5 wave refraction diagrams
- Wiegel, Robert L., "Water Wave Equivalent of Mach-reflection," *Proc. Ninth Conf. on Coastal Engineering, Lisbon, Portugal, 1964*, ed. J.W. Johnson, ASCE, 1965, pp 82-102
- Wiegel, Robert L., *Protection of Crescent City, California, from Tsunami Waves*, for The Redevelopment Agency of the City of Crescent City, CA, 5 March 1965, 112 pp
- Wiegel, Robert L., "Protection of Populated Areas from Tsunamis," *Symposium on Tsunami and Storm Surges, August 25-26, 1966; The 11th Pacific Science Congress, Tokyo: Proceedings*, ed. Ryutaro Takahasi, Committee for the PSC Tsunami and Storm Surges Symposium, Tokyo, March 1967, p. 71 (abstract)
- Wiegel, Robert L., "Preliminary Seiche and Tsunami Study in Regard to the Proposed Construction of an Isthmian Sea Level Canal by Nuclear Methods," Appendix A of *Seiche and Tsunami Effects from Nuclear Excavation of an Interoceanic Canal*, by John A. Blume & Associates Research Division, San Francisco, CA, under auspices of AEC/NVOO for the Atlantic-Pacific Interoceanic Canal Study Commission, Rept. No. NVO-99-24, Feb. 1968, 9 pp, 1 fig., and the 35 page Appendix A
- Wiegel, Robert L., "Seismic Sea Waves," In *Geologic Hazards and Public Problems: Conference Proceedings, May 27-28, 1969*, San Francisco, CA, eds. Robert A. Olson and Mildred M. Wallace, Office of Emergency Preparedness, Region Seven, Santa Rosa, California, U.S. Gov't. Printing Office, Wash., D.C., 1969, pp 53-75
- Wiegel, Robert L., "Tsunamis," In *Earthquake Engineering* (Robert L. Wiegel, Coordinating Editor), Prentice-Hall, Inc., Englewood Cliffs, NJ, Chapter 11, 1970, pp 253-306
- Wiegel, Robert L., E.K. Noda, E.M. Kuba, D.M. Gee, and G.F. Tornberg, "Water Waves Generated by Landslides in Reservoirs," *Jour. Waterways and Harbors Div., Proc. ASCE*, Vol. 96, No. WW2, May 1970, pp 307-333. "Closure", Vol. 98, No. WW1, Feb. 1972, pp 72-74
- Wiegel, Robert L., "Tsunamis," In *Seismic Risk and Engineering Decisions*, eds. G. Lomnitz and E. Rosenblueth, Elsevier Scientific Publishing Company, 1976, Chapter 7, pp 225-286
- Wiegel, Robert L., "Shore Protection and Flood Plain Management," In *Tsunamis: Proc. National Science Foundation Workshop, 7-9 May 1979, Coto de Caza, Trabuco Canyon, CA*, eds. L.S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, pp 251-253
- Wiegel, Robert L., "Tsunamis Along the West Coast of Luzon, Philippines," In *Proceedings of the Seventeenth Coastal Engineering Conference, March 23 to 28, 1980, Sydney, Australia*, ASCE, Vol. 1, 1981, pp 652-671
- Wiegel, Robert L., *Waikiki, Oahu, Hawaii, an Urban Beach; Its History from a Coastal Engineering Perspective*, Univ. of Calif. at Berkeley, Hyd. Eng. Lab., UCB/HEL-2002-1, 15 November 2002, 181 pp
- Wiegel, Robert L., *Indian Ocean (Sumatra) Tsunami of 26 December 2004: Newspaper Articles (175)*, 27 December 2004 - 11 February 2005; 175 newspaper

- articles collected by Robert L. Wiegel. In University of California, Berkeley, CA, Water Resources Center Archives, February 2005
- Wiegel, Robert L., *Tsunami Lecture Notes*, Ocean Engineering Seminar, E 201, University of California, Berkeley, 1 April 2005, 10 pages and figures, list of references
- Wiegel, Robert L., *Tsunami Information Sources*, Univ. of California, Berkeley, CA, Hydraulic Engineering Laboratory, Tech. Rept. UCB/HEL-2005-1, 14 December 2005, 115 pp (about 3,300 listed)
- Wigen, S.O., *Tsunami of May 22, 1960, West Coast of Canada*, Canadian Hydrographic Service, 1960
- Wigen, S.O., and W.R.H. White, *Tsunami of March 27-29, 1964, West Coast of Canada*, Dept. of Mines and Technical Surveys, Canada, August 1964, 6 pp (unpublished report)
- Wigen, S.O., *Historical Study of Tsunamis: Chronological and Area Lists*, International Tsunami Information Center, Honolulu, HI, 1977, 146 pp
- Wigen, S.O., *Historical Study of Tsunamis - An Outline*, Inst. of Ocean Sciences, Sidney, B.C., Canada, Pacific Marine Science Report 78-5, 1978, 18 pp
- Wigen, S.O., "Some Developments and Applications in Tsunami Research," In *Symposium on Long Waves in the Ocean*, National Research Council, Ottawa, Canada, June 6-8, 1978, Dept. Fisheries and the Environment, Ottawa, Manuscript Report Series No. 53, 1979, pp 79-83
- Wigen, S.O., "Tsunami Threat to Port Alberni," In *Symposium on Tsunamis: Proceedings, Ensenada, Baja California, Mexico, March 23-27, 1977*, Dept. Fisheries and the Environment, Ottawa, Ontario, Canada, Manuscript Report Series No. 48, 1978, pp 31-35
- Wigen, S.O., and M.M. Ward, "Post-Tsunami Disaster Survey," *Lighthouse*, Jour. Canadian Hydrographer's Assoc., Special Ed., April 1981, pp 50-61
- Wigen, Sydney O., "Historical Study of Tsunamis at Tofino, Canada," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 105-119
- Wigen, Sydney O., "Digitization of Tsunamiograms," In *Tsunamis - Their Science and Engineering*, eds. K. Iida and T. Iwasaki, Terra Scientific Publishing Co., Tokyo, 1983, pp 213-224
- Wigen, S.O., T.S. Murty, and D.G. Philip, "Tsunami of May 11, 1981, on the Coast of South Africa," In *Proc.: 1983 Tsunami Symposium, Hamburg, FRG, Aug. 1983*, ed. E.N. Bernard, PMEL/NOAA, U.S. Gov't Printing Office, Wash. D.C., 1984, pp 187-202
- Wigen, S.O., "Tsunami Problem and Its importance for a Man's Life and Activity in the Pacific Coast," Wilson, B.W., J.A. Hendrickson, and R.E. Kilmer, *Feasibility Study for a Surge-Action Model of Monterey Harbor, California*, Contract Report 2-136, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS, October 1965, 201 pp
- Wilson, Basil W., "Seiche," In *Encyclopedia of Oceanography*, ed. Rhodes W. Fairbridge, Reinhold Pub. Corp., New York, NY, 1966, pp 804-817
- Wilson, Basil W., and A. Torum, *The Tsunami of the Proc. of Far Eastern Research Institute*, Vol. 103, 1984, pp 3-7
- Wigen, Sydney Oscar, (Obituary), "In Memorium, Sydney Oscar Wigen, 1923-2000," by Anon., *Tsunami Newsletter*, Vol. 32, No. 2, Oct. 2002, pp 2-3
- Williams, Bruce Charles, "Tsunami: The Big Wave," *Coronet*, March 1967, pp 98-104
- Williams, E.A., and J.D. Isaacs, "The Refraction of Groups and of the Waves They Generate in Shallow Water," *Trans., Amer. Geophys. Union*, Vol. 33, No. 4, 1952, pp 523-530
- Williams, John A., *A Nonlinear Problem in Surface Water Waves*, Ph.D. thesis, Dept. Civil Engrg., Univ. California, Berkeley, CA, Oct. 1964, 246 pp
- William, J.A., and J.M. Jordaan, Jr., "A Laboratory Model of a Double-humped Wave Impingement on a Plane Sloping Beach," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, 1970, pp 367-376
- Williams, J.A., and Krishna K. Kartha, "Model Studies of Long Wave Amplification by Circular Islands and Submarine Seamounts," *Bull. Seis. Soc. Amer.*, Vol. 59, 1966, pp 299-316
- Williams, John W., "Tsunamis and the San Francisco Bay Area," In *Coastal Zone '78. Symposium, San Francisco, CA, March 14-16, 1978*, ASCE, Vol. III, 1978, pp 1,803-1,817
- Willis, Bailey, *Earthquake Conditions in Chile*, Carnegie Inst., Washington, D.C., Pub. 382, 1929, 176 pp and 75 plates
- Wilson, Basil W., Lois M. Webb, and James A. Hendrickson, *The Nature of Tsunamis: Their Generation and Dispersion in Water of Finite Depth*, National Engineering Science Co., Tech Rept. SN-57-2, prepared for the U.S. Coast and Geodetic Survey, Contract No. CGS-801 (2442), Aug. 1962, 150 pp and 2 appendices
- Wilson, Basil W., "Long Waves Generated by Nuclear Explosions," Appendix I of *Investigation of Long Waves and Their Effects on the Coastal and Harbor Environment of the Lower Chesapeake Bay*, Vol. II, National Engineering Science Co., Pasadena, CA, Report, DASA-1355, April 1963
- Wilson, Basil W., *Generation and Dispersion Characteristics of Tsunamis*, National Engineering Science Co., Pasadena, CA, prepared for U.S. Coast and Geodetic Survey, 16 Oct. 1963, 52 pp. Also; "Generation and Dispersion Characteristics of Tsunamis," In *Studies on Oceanography*, ed. K. Yoshida, Univ. of Tokyo Press, 1964, pp 413-444
- Wilson, B.W., and B. LeMehaute, *Propagation and Run-up of Tsunami Waves*, National Engineering Science Co., Pasadena, CA, Tech. Rept. No. SN-166 for the U. S. Coast and Geodetic Survey, March 1964
- Alaskan Earthquake, 1964: Engineering Evaluation*, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Waterways Experiment Station, Vicksburg, MS, Tech. Memo. No. 25, May 1968, 443 pp
- Wilson, Basil W., *Earthquake Occurrence and Effects in Ocean Areas*, U.S. Naval Civil Engineering Laboratory, Port Hueneme, CA, Tech. Rept. CR.69-027, Feb. 1969, 188 pp (141 pp and appendices)
- Wilson, Basil W., "Tsunami-Responses of San Pedro

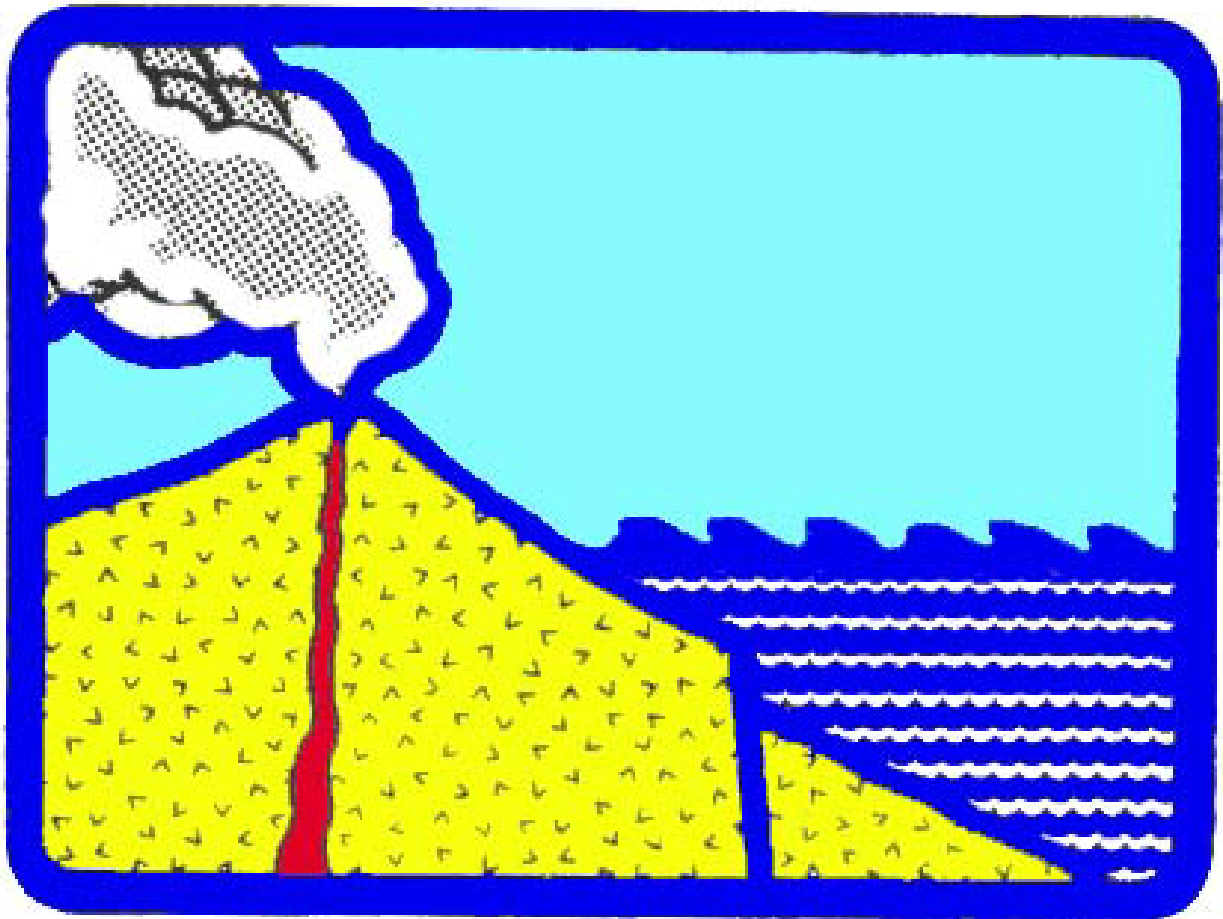


- Bay and Shelf, Calif., " *Jour. Waterways, Harbors, and Coastal Eng., Div., Proc. ASCE*, Vol. 97, No. WW2, May 1971, pp 239-258
- Wilson, Basil W., "Tsunami Run-up at Proposed Site," In *Geological and Geophysical Investigations: Proposed Aguirre Nuclear Power Station, Puerto Rico Water Resources Authority, Aguirre Nuclear Plant Preliminary Facility Description and Safety Analysis Report*, PRWRA and ANP Committees, AEC Docket 50376-21, Revised 9/30/1971, Part IV, Tsunami Investigation, various pagination
- Wilson, Basil W., and Alf Torum, "Runup Heights of the Major Tsunami on North American Coasts," In *The Great Alaska Earthquake of 1964: Oceanography and Coastal Engineering*, National Academy of Sciences, Wash. D.C., 1972, pp 158-180
- Wilson, Basil W., and Alf Torum, "Effects of the Tsunamis: An Engineering Study," In *The Great Alaska Earthquake of 1964: Oceanography and Coastal Engineering*, National Academy of Sciences, Washington D.C., 1972, pp 361-523
- Wilson, B.W., *Estimate of Tsunami Effect at San Onofre Nuclear Generating Station Units 2 and 3, California*, Appendix 2G, Amendment 17, prepared for Southern California Edison Co., Los Angeles, CA, Dec. 1972, 85 pp
- Wilson, Mark, "Modeling the Sumatra-Andaman Earthquake Reveals a Complex, Nonuniform Rupture," *Physics Today*, Vol. 58, No. 6, June 2005, pp 19-21
- Wilson, R.M., "The Tidal Wave on Palmerston Island," *Volcano Letter*, Hawaiian Volcano Research Assoc., HI, No. 93, 1926, p. 1
- Wilson, R.M., "The Seismic Sea Wave at Hilo," *Bull. Hawaiian Volcano Observatory*, HI, Vol. 16, No. 6, 1928, pp 41-42
- Wilson, W.S., *A Method for Calculating and Plotting Surface Wave Rays*, Tech. Memo. No. 17, U.S. Army Corps of Engineers, Coastal Engrg. Research Center, Washington D.C., Feb. 1966
- Wiseman, Paul, "Wave Erases Lives Built Along Sea," *USA Today*, 29 Dec. 2004, p. 4A
- Wiseman, Paul, "Legacy of Civil War Makes Relief Harder in Sri Lanka," *USA Today*, 29 Dec. 2004, p. 6A
- Witter, R.C., H.M. Kelsey, and E. Hemphill-Haley, "Great Cascadia Earthquakes and Tsunamis of the Past 6700 Years, Coquille River Estuary, Southern Coastal Oregon," *Geological Soc. Amer. Bull.*, Vol. 115, 2003, pp 1,289-1,306
- Witze, Alexandra, "New Guinea's Deadly Tsunami was a Rarity," *San Francisco Examiner*, CA, 9 Aug. 1998, p. A15
- Wood, Fergus, J., "The Strategic Role of Perigeon Spring Tides," In *Nautical History and North American Coastal Flooding, 1635-1976*, U.S. Dept. Yakovlev, V.V., and V.A. Tkachenko, "Tsunami Wave Transformation in the Sea Covered with Ice," In *International Tsunami Meetings, Novosibirsk, USSR, July 31-August 10, 1989: Abstracts of Papers*, Computing Center, Siberian Division of the USSR Academy of Sciences, Novosibirsk, USSR, 1989, pp 93-94
- Yalciner, A.C., U. Kuran, A. Akyarli, and F. Imamura, "An Investigation on the Propagation of Tsunamis in the Aegean Sea by Mathematical Modeling," In *Tsunami: Progress in Prediction*, Commerce, NOAA, August 1976
- Woods, M.T., and E.A. Okal, "Effect of Variable Bathymetry on the Amplitude of Teleseismic Tsunamis: A Ray-Tracing Experiment," *Geophys. Res. Lett.*, Vol. 14, 1987, pp 765-768
- Woodward - Clyde and Associates and Frank E. McClure, *Geology and Structural Engineering Part I, Recommendations for Land Use Planning in the Baylands*, Santa Clara Baylands Subcommittee, 1970, 75 pp
- Worcester, Dean C., "Taal Volcano and Its Recent Destructive Eruption," *National Geographic Magazine*, Vol. 23, No. 4, 1912, pp 313-367
- Wright, Charles W., "The World's Most Cruel Earthquake," *National Geographic Magazine*, Vol. 20, No. 4, 1909, pp 373-396
- Wright S.G., and E.M. Rathje, "Triggering Mechanisms of Slope Instability and their Relationship to Earthquakes and Tsunamis," *Pure and Applied Geophysics*, Vol. 160, Nos. 10-11, 2003, pp 1,865-1,877
- Wu, F.-C., H.W. Shen, and Y.-J. Chou, "Variation of Roughness Coefficients for Unsubmerged and Submerged Vegetation," *Jour. Hydraul. Eng.*, Vol. 125, No. 9, 1999, pp 934-942
- Wu, T.-R., *A Numerical Study of Three-dimensional Breaking Waves and Turbulence Effects*, Ph.D. thesis, Cornell Univ., NY, 2003
- Wu, T.Y., "Tsunamis," In *Proc. National Science Foundation Workshop*; Organized and edited by L.-S. Hwang and Y.K. Lee, Tetra Tech, Inc., Pasadena, CA, 1979, 110-143
- Wu, T.Y., "On Tsunami Propagation - Evaluation of Existing Models," In *Tsunamis: Proceedings of the National Science Foundation Workshop, May 1979*, eds. L.-S. Hwang and Y.K. Lee, Tetra Tech., Inc., Pasadena, CA, 1979, pp 110-143
- Wu, Theodore Y., "A Glimpse of Naval Hydrodynamics Research in China," Office of Naval Research, Tokyo Office, *ONR Tokyo Scientific Bulletin*, Vol. 5, No. 1, Jan./March 1980, pp 1-8 (tsunami, p. 3)
- Wu, T.Y., "Long Waves in Ocean and Coastal Waters," *Jour. Eng. Mech. Div., Proc. ASCE*, Vol. 107, No. EM3, 1981, pp 501-522
- Wyss, M., "Local Sea Level Changes Before and After Hyaganada, Japan Earthquakes of 1961 and 1968," *Jour. Geophys. Res.*, Vol. 81, 1976, p. 5,315
- Xanthopoulos, T., and C. Koutitas, "Numerical Simulation of 2-D Flood Wave Propagation Due to Dam Failure," *J. Hydraulic Research*, Vol. 14, No. 4, 1976
- Disaster Prevention and Warning*, eds. Y. Tsuchiya and N. Shuto, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1995, pp 55-70
- Yalciner, Ahmet, Costas Synolakis, Jose Borrero, Martin Eskijian, and John Freckman, *Izmit Bay Tsunami Survey, Aug. 22-26, 1999*, Turkey Earthquake of August 17, 1999, Magnitude 7.4, Univ. of Southern California, Tsunami Central. Printout on 30 Sept. 1999, some text, map, and 17 color photos. <http://www.usc.edu/dept/tsunamis/turkey/>

- Yalciner, A.C., et al., "Tsunami Generation in Izmit Bay by the 1999 Izmit Earthquake," In *Proc. Conf. on the 1999 Kocaeli Earthquake*, Istanbul Technical Univ., Istanbul, Turkey, 1999, pp 217-221
- Yamaguchi, D.K., B.F. Atwater, D.E. Bunker, B.E. Benson, and M.S. Reid, "Tree-ring Dating the 1700 Cascadia Earthquake," *Nature*, Vol. 389, 1997, pp 922-923; correction in Vol. 390, p. 352
- Yamashita, Teruo, and R. Sato, "Generation of Tsunami by a Fault Model," *Jour. Phys. Earth*, Vol. 22, No. 4, 1974, pp 415-440
- Yamashita, T., "Causes of Slow Earthquakes and Multiple Earthquakes," *Jour. Phys. Earth*, Vol. 28, 1980, pp 169-190
- Yamashita, Takao, "Numerical Model for Tsunamis and Storm Surges and Its Practical Use," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. Calif., Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 105-117
- Yamashita, T., T. Takabayashi, and Y. Tsuchiya, "Numerical Simulation of 1993 July 12 Tsunami Near Hokkaido; Its Propagation and Flooding onto Aonae District, Okushiri Island," In *Perspectives on Tsunami Hazard Reduction: Observations, Theory and Planning*, ed. G. Hebenstreit, Kluwer Acad. Pub., Dordrecht, 1997, pp 83-97
- Yanagi, B.S., "Tsunami Preparedness in Hawaii," In *Coastal Earthquakes and Tsunamis: Reducing the Risks*, eds. J.W. Charland and J.W. Good, Oregon Sea Grant, Corvallis, OR, 1996
- Yanagi, Brian, "Internet Tsunami Resources," In *Tsunami Hazard Mitigation Symposium Proc.*, Ocean Pointe Resort, Victoria, B.C., Canada, 4 Nov. 1997, Western States Seismic Policy Council, Palo Alto, CA, 1998, p. 69
- Yanagi, B.S., "State of Hawaii Tsunami 5-Year Review (1997-2001)," In *Proc. International Tsunami Symposium and Review of the U.S. National Tsunami Hazard Mitigation Program*, Seattle, Washington, Aug. 7-10, 2001, NOAA, Pacific Marine Environmental Lab., on a CD, 2001, pp 203-206
- Yang, M., and M.N. Toksoz, "Time-dependent Deformation and Stress Relation after Strike-slip Earthquakes," *J. Geophys. Res.*, Vol. 86, 1981, pp 2,889-2,901
- Yaroshenja, R.A., "A Study of Natural Oscillations in the Sea Level of Kurile and Kamchatka Inlets," In *Tsunami Research Symposium 1974*, (Wellington, New Zealand, 29 Jan.-1 Feb. 1974), eds. R.A. Heath and M.M. Cresswell, Royal Soc. New Zealand, Bull. 15, and UNESCO Press, 1976, pp 39-49
- Yeager, Holly, and Guy Dinmore, "Ex-Presidents Bring Focus to US Response for Quake Victims," *Financial* Yeh, Harry, P.L.-F Liu, and C.E. Synolakis, eds., *Long Wave Runup Models, Second International Workshop on Long Wave Runup Models, Friday Harbor, San Juan Islands, WA*, World Scientific Publishing Co., Singapore, 1996, 403 pp
- Yeh, Harry, Catherine Petroff, Razvan Bidoae, and Peter Raad, "Tsunami Runup Interactions with a Test Structure," In *Tsunami Observations, Modelling and Hazard Reduction, Birmingham, July 1999, IUGG XXII General Assembly: Abstracts*, 19th IUGG International Tsunami Symposium, 1999, p. B.130
- Times*, 4 Jan. 2005, p. 2
- Yeh, G.E., and F.K. Chou, "Moving Boundary Numerical Surge Model," *Jour. Waterways, Port, Coastal, and Ocean Div.*, Proc. ASCE, Vol. 105, No. WW3, 1979, pp 247-262
- Yeh, Harry Hsiu-Jen, *Nonlinear Edge Waves*, Ph.D. thesis, Dept. Civil & Environmental Engrg., Univ. of Calif., Berkeley, CA, June 1983, 178 pp. Also, Hyd. Engrg. Lab., Rept No. UCB/HEL-83-04, 1983, 178 pp
- Yeh, Harry H., "Nonlinear Progressive Edge Waves: Their Instability and Evolution," *Jour. Fluid Mech.*, Vol. 152, 1985, pp 479-499
- Yeh, Harry H., A. Ghazali, and I. Marton, "Experimental Study of Bore Runup," *Jour. Fluid Mechanics*, Vol. 206, 1989, pp 563-578
- Yeh, Harry H., "Tsunami Bore Runup," *Natural Hazards*, Vol. 4, Nos. 2 and 3, 1991, pp 209-220
- Yeh, Harry, F. Imamura, Costas Synolakis, Y. Tsuji, P. Liu, and S. Shi, "The Flores Island Tsunamis," *EOS, Trans., Amer. Geophys. Union*, Vol. 74, No. 33, 17 August 1993, pp 369 and 371-372
- Yeh, Harry, "Disaster on Flores Island," *Nature*, Vol. 361, 1993, p. 686
- Yeh, Harry, *The Major Tsunamis of 1992, Nicaragua and Indonesia*, twenty (20) 35 mm color slides with a 6-page description; available from U.S. Dept. Commerce, NOAA, National Geophysical Center, Boulder, CO, Product No. 648-A11-002, 1994
- Yeh, Harry, Philip Liu, Michael Briggs, and Costas Synolakis, "Propagation and Amplification of Tsunamis at Coastal Boundaries," *Nature*, (Letters To), Vol. 372, 24 November 1994, pp 353-355
- Yeh, H., P.L.-F. Liu, M. Briggs, and C.E. Synolakis, "Tsunami Catastrophe on Babi Island," *Nature*, Vol. 372, Nov. 1994, p. 6,503
- Yeh, H., V. Titov, V. Gusiakov, E. Pelinovsky, V. Khramushin, and V. Kaistrenko, "The 1994 Shikotan Earthquake Tsunami," *Pure and Applied Geophysics*, Vol. 144, Nos. 3/4, 1995, pp 855-874
- Yeh, Harry, "Tsunami Reconnaissance Procedures," In *Report of the International Tsunami Measurements Workshop, Estes Park, CO, USA, June 28-29, 1995*, co-conveners James F. Lander and Harry Yeh, 1995, pp 51-57
- Yeh, Harry, and K.-T. Chang, "Tsunami Propagation Caused by Coastal Landslide," In *Proc. of the International Workshop on Wind and Earthquake Engineering for Offshore and Coastal Facilities*, (at Univ. Calif., Berkeley, CA, Jan. 17-19, 1995), compilers C.E. Smith, R.G. Bea, and T. Uwabe, Univ. Calif., Berkeley, CA, 1995, pp 119-127
- Yeh, Harry, Fuminori Kato, and Shinji Sato, "Tsunami Scour Mechanism Around a Cylinder," In *Tsunami Research at the End of a Critical Decade*, eds. Gerald T. Hebenstreit, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2001, pp 33-46
- Yelles Chaouche, A., "Coastal Algerian Earthquakes: A Potential Risk of Tsunamis in Western Mediterranean? Preliminary Investigation," *Science of Tsunami Hazards*, Vol. 9, No. 1, 1991, pp 47-54

- Yielding, G., J. Jackson, G. King, Y. Sinvhal, C. Vita-Finzi, and R. Wood, "Relations Between Surface Deformation, Fault Geometry, Seismicity and Rupture Characteristics During the El-Asnam (Algeria) Earthquake of 10 October 1980," *Earth Planet. Sci. Lett.*, Vol. 56, 1981, pp 287-304
- Yim, Solomon C., Harry H. Yeh, Daniel T. Cox, and Cherri M. Pancake, "NEES Multidirectional Wave Basin for Tsunami Research," In *Coastal Structures 2003: Proc. of the Conference, August 26-30, 2003, Portland, Oregon*, ed. J.A. Melby, ASCE, 2004, pp 911-923
- Yokoyama, I., "A Geophysical Interpretation of the 1883 Krakatau Eruption," *Journal of Volcanology and Geothermal Research*, Vol. 9, 1981, pp 359-378
- Yollin, Patricia, "Americans' Stories: Idyllic Vacations Change into Days of Horror," *San Francisco Chronicle*, CA, 31 Dec. 2004, p. A15
- Yonekura, A., and M. Ando, "Crustal Deformations Accompanied by Huge Earthquakes Along Submarine Ditches and Topography," *Science*, Vol 43, 1973, pp 92-101
- Yoon, Sung B., and Philip L.-F. Liu, "Stem Waves and Hexagonal Wave Pattern in Shallow Water," In *Proceedings: 2nd UJNR Tsunami Workshop, Honolulu, Hawaii, 5-6 Nov., 1990*, NOAA, National Geophysical Data Center, Boulder, CO, NGDC Key to Geophysical Records Documentation No. 24, March 1991, pp 75-89
- Yoon, Sung B., and Philip L.F. Liu, "Numerical Simulation of a Distant Small-scale Tsunami," In *Recent Advances in Marine Science and Technology*, 92, ed. Narendra Saxena, PACON International, 1993, pp 67-78
- Yoon, Sung B., Chul-Sun Choi, and Sung-Myeon Yi, "Numerical Modeling of Tsunami Propagation Over Varying Water Depth," In *Ocean Wave Measurement and Analysis: Proc. Fourth International Symposium Waves 2001, Sept. 2-6, 2001, San Francisco, CA*, eds. B.L. Edge and J.M. Hemsley, ASCE, Vol.2, 2002, pp 1,515-1,524
- Yoshida, Kozo, "On the Partial Reflection of Long Waves," *Geophysical Notes*, Geophysical Institute, Tokyo Univ., Japan, Vol. 1, No. 31, 1948, pp 1-14
- Yoshida, Kozo, "On the Estimation of Reflection Coefficient for Tide-waves, Tsunami and Swell," *Geophysical Notes*, Geo. Inst., Tokyo Univ., Vol. 3, No. 14, 1950, pp 1-5
- Yoshida, Kozo, K. Kajiura, and J. Miyoshi, "On the Tsunami of March 4, 1952," *Jour. Oceanographical Soc. of Japan*, Tokyo, Vol. 8, Nos. 3-4, 1952, pp 99-104
- Yoshida, Kozo, "A Hypothesis on Transmission of Energy of Tsunami Waves," *Records of Oceanographic Works in Japan*, New Series, Vol. 5, No. 1, Feb. Zachariasen, Judith, Kerry Sieh, Frederick W. Taylor, R. Lawrence Edwards, and Wahyoe S. Hantoro, "Submergence and Uplift Associated with the Giant 1833 Sumatran Subduction Earthquake: Evidence from Coral Microatolls," *Jour. of Geophysical Research*, Vol. 104, No. B1, Jan. 1999, pp 895-919
- Zaibo, Narcisse, Efim Pelinovsky, Andrey Kurkin, and Andrey Kozelkov, "Estimation of Far-field Tsunami Potential for the Caribbean Coast Based on Numerical Simulation," *Science of Tsunami Hazards*, Vol. 21, No. 4, 2003, pp 212-222
- 1959, pp 14-37
- Yoshida, Kozo, "Interpretation and Prediction of Tsunami Waves," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961*, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 24, July 1963, pp 49-51
- Yoshida, S., "Waveform Inversion for Rupture Process Using a Non-flat Seafloor Model: Application to 1986 Andreanof Islands and 1985 Chile Earthquakes," *Tectonophysics*, Vol. 211, 1992, pp 45-59
- Yoshida, Y., K. Satake, and K. Abe, "The Large Normal-faulting Mariana Earthquake of April 15, 1990 in Uncoupled Subduction Zone," *Geophys. Res. Lett.*, Vol. 19, 1992, pp 297-300
- Yoshioka, S., M. Hashimoto, and K. Hirahara, "Displacement Fields Due to the 1946 Nankaido Earthquake in a Laterally Inhomogeneous Structure with the Subducting Philippine Sea Plate," *Tectonophysics*, Vol. 159, 1989, pp 121-136
- Young, Charles C., "Waves Hit Entire Maui Shoreline; Woman Swims Out Her Front Door," *Honolulu Star-Bulletin*, HI, 23 May 1960
- Young, R.W., and E.A. Bryant, "Catastrophic Wave Erosion on the Southeastern Coast of Australia: Impact of the Lanai Tsunami ca 105 Ka?," *Geology*, Vol. 20, 1992, pp 199-202
- Young, R.W., and E.A. Bryant, "Catastrophic Wave Erosion on the Southeastern Coast of Australia: Impact of the Lanai Tsunami ca 105 Ka?: Reply," *Geology*, Vol. 20, 1992, p. 1,150
- Young, R.W., E. Bryant, D. Price, and E. Spassov, "The Imprint of Tsunami in Quaternary Coastal Sediments of Southeastern Australia," *Bulgarian Geophysical Journal*, Vol. XXI, No. 4, 1995
- Yu, Xiping, "Diffraction of Water Waves by Porous Breakwaters," *Jour. Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 121, No. 6, Nov./Dec. 1995, pp 275-282
- Yuen, P.C., et al., "Use of an Ionospheric Technique to Improve the Tsunami Warning," *Tsunami Newsletter*, Vol. 7, No. 3, Sept. 1974, pp 2-9
- Yuk, D., S. Yim, and P.L.-F Liu, "Numerical Modelling of Submarine Mass Movement Generated Waves Using the RANS Model," In *Submarine Mass Movements and Their Consequences*, eds. J. Locat and J. Mienert, Kluwer Pub., The Netherlands, 2003, pp 183-193
- Zabusky, N.J., and C.J. Galvin, "Shallow-water Waves, the Korteweg-de Vries Equation and Solitons," *Jour. Fluid Mechanics*, Vol. 47, Part 4, 1971, pp 811-824
- Zelt, J.A., *Tsunami: The Response of Harbors with Sloping Boundaries to Long Wave Excitation*, California Institute of Technology, W.M. Keck Laboratory of Hydraulics and Water Resources, Pasadena, CA, Rept. No. KH-R-47, June 1986, 318 pp
- Zelt, J.A., and F. Raichlen, "A Lagrangian Model for Wave Induced Harbour Oscillations," *Jour. Fluid Mech.*, Vol. 213, 1990, pp 203-228
- Zelt, J.A., "The Runup of Nonbreaking and Breaking Solitary Waves," *Coastal Engrg.*, Vol. 15, 1991, pp 205-246

- Zelt, J.A., and F. Raichlen, "Overland Flow from Solitary Waves," *Jour. of Waterway, Port, Coastal, and Ocean Engineering*, ASCE, Vol. 117, No. 3, May/June 1991, pp 247-263
- Zerbe, W.B., *The Tsunami of November 4, 1952 as Recorded at Tide Stations*, U.S. Coast and Geodetic Survey, Special Publication No. 300, 1953, 62 pp
- Zerbe, W. B., "The Seismic Sea Wave Warning System," *U.S. Geological Survey Jour.*, Vol. 5, 1953, p. 132
- Zerbe, W.B., *Wave Reporting Manual for Tide Observers in the Seismic Sea Wave Warning System*, U.S. Coast and Geodetic Survey, Special Pub. No. 294, 1953, 36 pp
- Zetler, Bernard D., "Travel Times of Seismic Sea Waves to Honolulu," *Pacific Science*, Vol. 1, No. 3, July 1947, pp 185-188 and Fig. 1
- Zetler, Bernard D., "A Seismic Sea Wave Travel Time Chart," *Jour. of the U.S. Coast and Geodetic Survey*, No. 1, 1948, pp 56-58
- Zetler, B.D., M.D. Schuldt, and L.F. Bailey, "Criteria for Tsunami Evaluation," In *Proc. Tsunami Meetings Associated with the Tenth Pacific Science Congress*, Univ. Hawaii, Honolulu, HI, Aug.-Sept. 1961, ed. Doak C. Cox, IUGG, Paris, IUGG Monograph No. 21, July 1963, pp 149-151
- Zetler, B.D., "Report of the International Union of Geodesy and Geophysics Tsunami Committee," In *Tsunamis in the Pacific Ocean*, ed. W.M. Adams, East-West Center Press, Univ. Hawaii, Honolulu, HI, 1970, pp 485-487
- Zetler, B.D., "Some Tsunami Memories," *Science of Tsunami Hazards*, Vol. 6, 1988, pp 57-71
- Zetler, Bernard David, (Obituary), "Bernard David Zetler Dies," (September 25, 1991), by Anon., *Tsunami Newsletter*, Vol. 25, No. 1, July 1993, p. 7
- Zhao, D., D. Christensen, and H. Pulpan, "Tomographic Imaging of the Alaskan Subduction Zone," *Jour. Geophys. Res.*, Vol. 99, 1995, pp 6,487-6,504
- Zhdanov, M.A., "An Analytical Model of Tsunami Generated by Earthquakes," *Tsunamis in the World. Fifteenth International Tsunami Symposium, 1991*, ed. Stefano Tinti, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993, pp 77-94
- Zheleznyak, M.I., "On a Numerical Calculation of Meeting Interactions of Surface Waves," *Hidromekhanika*, Issue 39, 1979, pp 44-
- Zhou, Q., and W.M. Adams, "Tsunamigenic Earthquakes in China: 1831 BC to 1980 AD," *Science of Tsunami Hazards*, Vol. 4, No. 3, 1986, pp 131-148
- Zhou, Qinghai, and W.M. Adams, "Tsunami Risk Analysis for China," *Natural Hazards*, Vol. 1, No. 2, 1988, pp 181-195
- Zielinski, A., and N.K. Saxena, "Rationale for Measurement of Mid-Ocean Tsunami Signature," *Marine Geodesy*, Vol. 6, No. 3-4, 1983, p. 331-337
- Zielinski, Adam, and Narendra K. Saxena, "Tsunami Detectability Using Open-Ocean Bottom Pressure Fluctuations," *IEEE Jour. Oceanic Eng.*, OE-8, No. 4, October 1983, pp 272-279
- Zielinski, A., and N.K. Saxena, "Modeling of Tsunami Directivity," *Science of Tsunami Hazards*, Vol. 2, No. 2, 1984, pp 113-117
- Ziony, J.I., ed., *Evaluating Earthquake Hazards in the Los Angeles Region - An Earth-Science Perspective*, U.S. Geological Survey Professional Paper 1360, U.S. Gov't. Printing Office, Wash., D.C., 1985, 505 pp
- Zitellini, N., L. Mendes Victor, J.F. Cordoba, et al., "Source of 1755 Lisbon Earthquake and Tsunami Investigated," *EOS, Trans., Amer. Geophys. Union*, Vol. 82, No. 26, 26 June 2001, pp 285-288
- Zobin, V.M., E.I. Gordeev, N.P. Kozyreva, V.P. Mityakin, and V.N. Chirkova, "Kamchatka Earthquake of 17 August 1983: A Large Intermediate Event at the Junction of the Aleutian and Kuril-Kamchatka Arcs," *Natural Hazards*, Vol. 4, No. 4, 1991, pp 327-344
- Zore-Armanda, Mira, "Destructive Wave in the Adriatic," In *XXVith Congress and Plenary Assembly*, Antalya, Nov. 24-Dec. 2, 1978, *Committee of Physical Oceanography*, Istitut Za Oceanografiju I Ribarstvo, Split, Jugoslaviya (Institute of Oceanography and Fisheries, Split, Yugoslavia), 5 January 1978, 2 pp, and 7 marigrams dated 21 June 1978
- Zore-Armanda, M., "Tsunamis in the Adriatic," *Pomorski zbornik*, Vol. 26, 1988, pp 657-668 (in Serbo-croatian with English abstract)
- Zwibel, H., and A.G. Gibbs, *Scattering of Long Ocean Waves*, Battelle-Northwest, Pacific Northwest Lab., Richland, WA, Jan. 1969, 21 pp



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