

# CURRICULUM VITAE

**NAME:** THEODORE WELLS PIETSCH

**TITLES:** Professor, School of Aquatic and Fishery Sciences, College of Ocean and Fishery Sciences, University of Washington, Seattle, Washington

Curator of Fishes, Burke Museum of Natural History and Culture, University of Washington, Seattle, Washington

Professor, Graduate Program in Museology, University of Washington, Seattle, Washington

Research Associate in Ichthyology, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts

Research Associate in Ichthyology, Natural History Museum of Los Angeles County, Los Angeles, California

Fellow of the California Academy of Sciences, elected 1984

Fellow of the Gilbert Ichthyological Society, elected 1989

Fellow of The Linnean Society of London, elected 1996

Fellow of the American Association for the Advancement of Science, elected 1996

Fellow of the University of Washington Teaching Academy, elected 1998

Honorary Member, Ichthyological Society of Japan, elected 2001

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**EDUCATION:** High School Diploma, John Adams High School, South Bend, Indiana, 1963.

B.A. Zoology, University of Michigan, Ann Arbor, Michigan 48104, 1967.

M.S. Biology, University of Southern California, Los Angeles, California 90007, 1969.

Ph.D. Biology, University of Southern California, Los Angeles, California 90007, 1973.

Postdoctoral Fellow, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138, 1973-1975.

**POSITIONS:** Research Assistant, University of Southern California, Summer 1967 (National Science Foundation Grant to USC for ecological studies in and about the Southern California borderland region).

Teaching Assistant, Department of Biological Sciences, University of Southern California, Autumn 1968, 1969, 1971, Spring 1972.

Graduate Student Representative of the General Program of Biology, Department of Biological Sciences, University of Southern California, 1970-1971, 1971-1972.

Research Assistant in Ichthyology, Natural History Museum of Los Angeles County, Los Angeles California, 1970-1972.

Visiting Assistant Professor, Department of Biological Sciences, University of Southern California, Summer 1973.

Research Associate in Ichthyology, Natural History Museum of Los Angeles County, Los Angeles California, 1973-present.

Curatorial Associate, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, 1973-1975.

Tutor in Biology, Department of Biology, Harvard University, Cambridge, Massachusetts, 1974-1975.

Research Associate in Ichthyology, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, 1973-1975.

Lecturer, Department of Biology, California State University, Long Beach, California, 1975-1976.

Member, Board of Editors, *Fishes of the Western North Atlantic Ocean*, Sears Foundation for Marine Research, Yale University, 1976-present.

Assistant Professor, Department of Biology, California State University, Long Beach, California, 1976-1978.

Member, Board of Directors, Southern California Academy of Sciences, 1976-1978.

Editor, *Bulletin of the Southern California Academy of Sciences*, 1976-1978.

Member, Board of Governors, American Society of Ichthyologists and Herpetologists, Class of 1981.

Member, Long-Range Planning and Finance Committee, American Society of Ichthyologists and Herpetologists, 1977-1981.

Assistant Professor, School of Fisheries, University of Washington, Seattle, Washington, 1978-1981.

Member, Resolutions Committee, American Society of Ichthyologists and Herpetologists, 1980, 1982.

Member, Ichthyological Advising Committee, Smithsonian Oceanographic Sorting Center Committee, Washington, D.C., 1980-1985.

Member, Nominating Committee, American Society of Ichthyologists and Herpetologists, 1980-1981.

Associate Professor, School of Fisheries, University of Washington, Seattle, Washington, 1981-1984.

Chairperson, Resolutions Committee, American Society of Ichthyologists and Herpetologists, 1981.

Member, Board of Editors, *Indo-Pacific Fishes*, Bernice P. Bishop Museum, Honolulu, Hawaii, 1982-present.

Member, Board of Governors, American Society of Ichthyologists and Herpetologists, Class of 1987.

Member, Committee on Honorary Foreign Members, American Society of Ichthyologists and Herpetologists, 1982-1983.

Professor, School of Aquatic and Fishery Sciences, University of Washington, Seattle, Washington, 1984-present.

Adjunct Professor, Department of Zoology, University of Washington, Seattle, Washington, 1984-2003.

Chairperson, Ichthyological Advising Committee, Smithsonian Oceanographic Sorting Center Committee, Washington, D.C., 1985-1992.

General Ichthyological Editor, *Copeia*, American Society of Ichthyologists and Herpetologists, 1986-1991.

Member, Editorial Board, *CRC Critical Reviews in Fisheries Science*, 1986-1988.

Member, Editorial Board, *CRC Critical Reviews in Aquatic Sciences*, 1988-1991.

Member, Council, Gilbert Ichthyological Society, 1989-1993.

Member, Editorial Board, *U.S. Fishery Bulletin*, 1990-2007.

Vice-President and President Elect, Gilbert Ichthyological Society, 1990-1991.

Member, Nominating Committee, American Society of Ichthyologists and Herpetologists, 1991-1992.

Member, Robert H. Gibbs Jr. Memorial Award Committee, American Society of Ichthyologists and Herpetologists, 1991-1994.

Faculty Representative, Committee on Graduate Student Participation, American Society of Ichthyologists and Herpetologists, 1991-1995.

President, Gilbert Ichthyological Society, 1991-1992.

Curator of Fishes, Burke Museum of Natural History and Culture, University of Washington, Seattle, Washington, 1992-present.

Member, Interdisciplinary Faculty, The Graduate Program in Museology, The Graduate School and Burke Museum of Natural History and Culture, University of Washington, Seattle, Washington, 1992-present.

Chairperson, Ichthyological and Herpetological Collections and Resources Committee, American Society of Ichthyologists and Herpetologists, 1992-1995.

Director, International Kuril Island Project (Biodiversity Survey and Inventory of the Kuril Archipelago), 1994-2001.

Member, Board of Governors, American Society of Ichthyologists and Herpetologists, Class of 1998.

Vice-President, Gilbert Ichthyological Society, 1993-1994.

Chairperson, Robert H. Gibbs Award Committee, American Society of Ichthyologists and Herpetologists, 1994.

Member, Time, Place, and Program Committee, American Society of Ichthyologists and Herpetologists, 1994-1998.

Member, University of Washington Faculty Senate, 1995-1999.

Member, Committee on Book-length Publications, American Society of Ichthyologists and Herpetologists, 1995-1996.

President-Elect, American Society of Ichthyologists and Herpetologists, 1996.

Member, Committee on Special Publications, American Society of Ichthyologists and Herpetologists, 1996-1999.

Member, Editorial Board, *Species Diversity*, the English language journal of the Japanese Society of Systematic Zoology, 1996-present.

Associate Director of Graduate Instruction, School of Fisheries, University of Washington, 1996-1998.

Graduate Program Coordinator, School of Aquatic and Fishery Sciences, University of Washington, 1996-2001.

Chairperson, Local Committee, 77th Annual Meeting of the American Society of Ichthyologists and Herpetologists, University of Washington, Seattle, Washington, 26 June—2 July 1997.

President, American Society of Ichthyologists and Herpetologists, 1997.

College Marshal, Commencement Exercises, College of Ocean and Fishery Sciences, University of Washington, 1997-1998, 2000-2009.

Life Member, Board of Governors, American Society of Ichthyologists and Herpetologists, 1998-present.

Fellow of the University of Washington Teaching Academy, 1998-present.

Associate Director, School of Aquatic and Fishery Sciences, University of Washington, 1998-2001.

Chairperson, Ad Hoc Committee to Revise Meeting Guidelines, American Society of Ichthyologists and Herpetologists, 1998-1999.

Member, Nominating Committee, American Society of Ichthyologists and Herpetologists, 1999.

Director, International Sakhalin Island Project (Biodiversity Survey and Inventory of Sakhalin Island), 2002-2004.

Member, Research Advisory Committee, Seattle Aquarium Research Center for Conservation and Husbandry (SEARCCH), 2002-present.

Adjunct Professor, Department of Biology, University of Washington, Seattle, Washington, 1992-2003.

Member, Advisory Panel, Biodiversity Surveys and Inventories, National Science Foundation, October 2003.

Member, Robert H. Gibbs Jr. Memorial Award Committee, American Society of Ichthyologists and Herpetologists, 2007-2008.

Member, The Ocean Exploration Advisory Working Group (OEAWG) workshop recommendations for planning the maiden voyage of discovery for NOAA's dedicated ocean exploration vessel, *Okeanos Explorer*, National Geographic Society, Washington, D.C., 10-11 May 2007.

Member, Editorial Board, American Society of Ichthyologists and Herpetologists, 2007-2008.

President, Gilbert Ichthyological Society, 2008-2009.

Dorothy T. Gilbert Professor of Ocean and Fishery Sciences, University of Washington, Seattle, Washington, 2008-present.

**FELLOWSHIPS,** National Science Foundation Undergraduate Research Grant, 1967-1968.

**GRANTS, AND**

**CONTRACTS:** National Science Foundation Graduate Traineeship, 1967-1971.

National Institutes of Health Biomedical Science Support Grants: Comparative Anatomy of the Inner Ear of Deep-sea Fishes of the Family Oneirodidae, 1969-1970; Regeneration of the Esca of the Sargassum Anglerfish, *Histrionotus histrionotus* (Family Antennariidae), 1970-1971; Continued Studies on the Regeneration of the Esca of Antennarioid Anglerfishes of the genera *Antennarius* and *Antennatus*, 1971-1972.

Grant-In-Aid of Research, The Society of the Sigma Xi, Summer, 1970.

Grant for research travel abroad from The Graduate School, University of Southern California, Summer 1970.

National Science Foundation Grant GB-40700: The Ceratioid Anglerfishes (Order: Lophiiformes) of the Western North Atlantic Ocean: Systematics and Distribution, 1973-1975.

Grants from the Johannes Schmidt Trust for Marine Research of the University of Copenhagen for support of research while in residence at the Zoological Museum, University of Copenhagen, Summer 1974, 1976, Winter 1978, Autumn 1979, Spring 1981, Autumn 1990.

Grants from the William F. Milton Fund of Harvard University, 1973, 1974.

Grant from the Office of Graduate Studies and Research, California State University, Long Beach, to attend the 1976 Annual Meeting of the American Society of Ichthyologists and Herpetologists, Fairbanks, Alaska, June 1976.

Grants for research travel abroad from the Ichthyology Fund of the Natural History Museum of Los Angeles County, Summer 1976, Winter 1978.

National Science Foundation Grant DEB 76-82279: The Antennariid Anglerfishes (Order Lophiiformes) of the Western North Atlantic Ocean: Systematics and Distribution, 1977-1981.

National Geographic Society Grant No. 1826: Functional Morphology of the Feeding Mechanism of Shallow Water Anglerfishes of the Family Antennariidae, 1978-1979.

National Science Foundation Grant DEB 78-26540: The Antennariid Anglerfishes (Order: Lophiiformes): Systematics, Distribution, Functional Morphology, and Trophic Ecology, 1979-1981.

Grant from The Graduate School Research Fund, University of Washington: Functional Morphology of the Feeding Mechanism of Anglerfishes of the Family Antennariidae, 1978-1979.

National Science Foundation Grant DEB 79-12184: The Care and Use of the Fish Collections of the School of Fisheries, University of Washington, 1979-1981.

Cooperative Systematics Research Program, United States Antarctic Research Program, Smithsonian Oceanographic Sorting Center: Systematics and Distribution of Cold-water Cottoid Fishes of the Family Icelidae (Order: Scorpaeniformes), 1979-1981.

Cooperative Systematics Research Program, United States Antarctic Research Program, Smithsonian Oceanographic Sorting Center: Systematics and Distribution of Cold-water Cottoid Fishes of the Genus *Artediellus* (Order: Scorpaeniformes), 1980-1983.

National Marine Fisheries Service, Northwest and Alaska Fisheries Center: Cooperative Systematics Program, 1981-1982.

National Science Foundation Travel Grant to attend the International Conference on the Systematics and Evolution of Indo-Pacific Coral Reef Fishes, Sydney, Australia, September 1981.

National Marine Fisheries Service, Northwest and Alaska Fisheries Center: Systematic Services in Ichthyology, 1982-1986.

Cooperative Systematics Research Program, United States Antarctic Research Program, Smithsonian Oceanographic Sorting Center: Systematics and Distribution of Bathypelagic Anglerfishes of the Family Ceratiidae (Order Lophiiformes), 1982-1983.

The Eppley Foundation for Research: The Manuscript Materials for the *Histoire Naturelle des Poissons*, 1828-1849: Sources for Understanding the Fishes Described by Cuvier and Valenciennes, 1982-1983.

National Marine Fisheries Service, Northwest and Alaska Fisheries Center: Ichthyological Training and Services, 1983-1993.

The Giles W. and Elise G. Mead Foundation: *Frogfishes of the World: Systematics, Zoogeography and Behavioral Ecology* (book subsidy), 1983-1984.

The Eppley Foundation for Research: *Frogfishes of the World: Systematics, Zoogeography and Behavioral Ecology* (book subsidy), 1984.

The Eppley Foundation for Research: Louis Renard and his *Histoire Naturelle des plus Rares Curiositez de la Mer des Indes*, 1985.

National Science Foundation: Systematics and Zoogeography of Marine Shorefishes of the Family Uranoscopidae, 1985-1989.

The Graduate School Research Fund, University of Washington: A Phylogenetic Reconstruction of Uranoscopid Fishes Based on DNA-DNA Hybridization Data, 1986-1987.

National Science Foundation: Care and Use of the Fish Collection of the School of Fisheries, University of Washington, \$272,404, 1988-1991.

Travel grant from The Graduate School Research Fund, University of Washington, to participate in admittance ceremonies to the Fellowship of the Linnean Society of London, February 1989.

National Science Foundation: Systematics and Distribution of Trachinoid Fishes of the Family Champsodontidae (Teleostei: Perciformes), 1989.

Cooperative Systematics Research Program, United States Antarctic Research Program, Smithsonian Oceanographic Sorting Center: Systematics and Distribution of Cottid Fishes of the genus *Triglops* Reinhardt (Teleostei: Scorpaeniformes), 1990-1991.



National Marine Mammal Laboratory: Studies of Mesopelagic Fishes of the Central North Pacific Ocean, 1988-1989, 1990-1991.

The Eppley Foundation for Research: Phylogenetic Relationships of Lophiiform Fishes: Molecular Systematic Tests of Morphological Hypotheses, 1991-1992.

Japan Society for the Promotion of Science Fellowship: a one-month award to conduct research and lecture on fishes at the universities of Tokyo, Kyoto, Kochi, and Hokkaido, September 1991.

National Science Foundation: Establishment of an Archival Center for Early Life History Stages of Fishes at the School of Fisheries, University of Washington, \$155,194, 1992-1994.

College of Ocean and Fishery Sciences, University of Washington: *Louis Renard and His Fishes, Crayfishes, and Crabs of Diverse Coloration and Extraordinary Form: A Natural History of the Rarest Curiosities of the Seas of the Indies*. Johns Hopkins University Press (book subsidy), 1993.

The Graduate School Research Fund, University of Washington: *Louis Renard and His Fishes, Crayfishes, and Crabs of Diverse Coloration and Extraordinary Form: A Natural History of the Rarest Curiosities of the Seas of the Indies*. Johns Hopkins University Press (book subsidy), 1993.

The Giles W. and Elise G. Mead Foundation: *Collection Building in Ichthyology and Herpetology in the 18th, 19th, and 20th Centuries*. Papers from the Fifth North American Meeting of the Society for the History of Natural History, Charleston, South Carolina, 18-19 June 1990. American Society of Ichthyologists and Herpetologists (book subsidy), 1993-1994.

The Graduate School Research Fund, University of Washington: *Collection Building in Ichthyology and Herpetology in the 18th, 19th, and 20th Centuries*. Papers from the Fifth North American Meeting of the Society for the History of Natural History, Charleston, South Carolina, 18-19 June 1990. American Society of Ichthyologists and Herpetologists (book subsidy), 1993-1994.

National Science Foundation, Biotic Surveys and Inventories, and International Programs: Biodiversity of the Kuril Archipelago, "Proof of Concept Award," \$200,000, 1994-1995.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$9,985, 1995.

National Science Foundation, Biotic Surveys and Inventories, and International Programs: Biodiversity of the Kuril Archipelago, \$1,000,000, 1995-2000.

National Marine Fisheries Service, Northwest and Alaska Fisheries Center, via Washington Sea Grant Program: Integration and Dissemination of Ichthyoplankton Databases, \$51,776, 1995-1996.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$10,000, 1996-1997.

National Science Foundation, Biotic Surveys and Inventories and International Programs: Biodiversity of the Kuril Archipelago, Supplement, \$34,320, 1996-1997.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$10,000, 1997-1998.

National Science Foundation, Biotic Surveys and Inventories and International Programs: Biodiversity of the Kuril Archipelago, Supplement, \$174,504, 1997-2001.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$10,000, 1998-1999.

National Marine Fisheries Service, Alaska Fisheries Science Center: Rockfish Curation, 1999, \$7,450.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$10,000, 1999-2000.

National Science Foundation, Biotic Surveys and Inventories, International Programs, and Archaeology: Bio-archaeology in the Kuril Archipelago (supplemental one-year extension of Biodiversity of the Kuril Archipelago), \$281,288, 1999-2001.

National Marine Fisheries Service, Alaska Fisheries Science Center: Archival Dissemination of Data on Northeast Pacific Fish Eggs and Larvae, \$55,000, 1999-2001.

National Marine Fisheries Service, Alaska Fisheries Science Center: Training and Curation for the National Marine Fisheries Service Domestic Observer Program, \$76,390, 1999-2002.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of the Kuril Archipelago, \$10,000, 2000-2001.

University of Washington Office of Research and College of Arts and Sciences: Bio-archaeology in the Kuril Archipelago (graduate student support), \$16,000, 2000-2001.

National Science Foundation, Biotic Surveys and Inventories, and International Programs: Biodiversity of Sakhalin Island, \$391,128, 2000-2001.

National Science Foundation, U.S.-Japan Cooperative Science Program: International Symposium on Kuril Island Biodiversity, Sapporo, 18-22 May 2001, \$21,900, 2001.

National Science Foundation, Biotic Surveys and Inventories, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of Sakhalin Island, \$12,000, 2001-2002.

National Science Foundation, International Programs: Supplement to allow Russian participation in an International Symposium on Kuril Island Biodiversity, Sapporo, 18-22 May 2001, \$19,900, 2001.

National Science Foundation, U.S.-Japan Cooperative Science Program, Research Experiences for Undergraduates (REU) Supplement to allow undergraduate participation in an International Symposium on Kuril Island Biodiversity, Sapporo, 18-22 May 2001, \$6,600, 2001.

National Marine Fisheries Service, Alaska Fisheries Science Center: Archival Storage and Dissemination of Data on Northeast Pacific Fish Eggs, Larvae, and Adults, \$207,124, 2001-2003.

National Science Foundation, Biotic Surveys and Inventories, and International Programs: Biodiversity of Sakhalin Island, Supplement, \$42,287, 2002.

University of Kansas Museum of Natural History "FishNet Project": Server for the University of Washington Fish Collection, \$3,623, 2002.

National Science Foundation, Biotic Surveys and Inventories Program, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of Sakhalin Island, \$12,000, 2002.

National Science Foundation, U.S.-Japan Cooperative Science Program, Research Experiences for Undergraduates (REU) Supplement to allow one undergraduate to conduct research at the Institute of Biology and Soil Sciences, Vladivostok, \$6,000, 2002.

Travel grant from the Institute of Zoology, Academia Sinica, Taipei, Taiwan, Republic of China, to teach and conduct research in the Laboratory of Fish Ecology and Evolution, RT airfare and per diem, September 2002.

Short-Term Invitation Fellowship for Research in Japan, U.S. National Science Foundation and Japan Society for the Promotion of Science, RT airfare and per diem, awarded October 2002 for travel in December 2002.

National Marine Fisheries Service, Alaska Fisheries Science Center: Establishing an Interactive Ichthyoplankton Information System for the Northeast Pacific and Bering Sea Ecosystems, \$24,000, 2002-2003.

National Marine Fisheries Service, Alaska Fisheries Science Center: Training and Curation for the National Marine Fisheries Service Domestic Observer Program, \$96,075, 2002-2004.

National Science Foundation, Biotic Surveys and Inventories Program: Biodiversity of the Russian Far East: Sakhalin Island, \$195,712, 2002-2004.

National Marine Fisheries Service, Alaska Fisheries Science Center: Establishing an Interactive Ichthyoplankton Information System for the Northeast Pacific and Bering Sea Ecosystems: Supplements, \$17,000, 2003.

National Marine Fisheries Service, Alaska Fisheries Science Center: Archival Storage and Dissemination of Data on Northeast Pacific Fish Eggs, Larvae, and Adults, \$300,599, 2003-2007.

National Science Foundation, Systematics Program, Revisionary Synthesis in Systematics: Biodiversity of Deep-Sea Anglerfishes (Lophiiformes: Ceratioidei) of the World, \$330,000, 2003-2008.

Washington Sea Grant, Fishes of Puget Sound and Adjacent Waters, book subsidy, \$7,580, 2003-2005.

National Science Foundation, Systematics Program, Revisionary Synthesis in Systematics: Biodiversity of Deep-Sea Anglerfishes (Lophiiformes: Ceratioidei) of the World, Supplemental funds for graduate student RA support, \$35,204, 2004-2005.

National Marine Fisheries Service, Alaska Fisheries Science Center: An Interactive Ichthyoplankton Information System (IIS) for the Northeast Pacific and Bering Sea Ecosystems: Spawning, Identification, Distribution, and Abundance Data, \$35,204, 2004-2005.

National Marine Fisheries Service, Alaska Fisheries Science Center: Training and Curation for the National Marine Fisheries Service Domestic Observer Program, renewal, \$99,508, 2004-2007.

National Marine Fisheries Service, Alaska Fisheries Science Center: Archival Storage and Dissemination of Data on Northeast Pacific Fish Eggs, Larvae, and Adults, Supplement, \$104,175, 2004-2007.

National Science Foundation, Systematics Program, Revisionary Synthesis in Systematics, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of Deep-Sea Anglerfishes (Lophiiformes: Ceratioidei) of the World, \$6,750, 2005-2006.

National Science Foundation, Systematics Program, Revisionary Synthesis in Systematics, Research Experiences for Undergraduates (REU) Supplement: Biodiversity of Deep-Sea Anglerfishes (Lophiiformes: Ceratioidei) of the World, \$6,000, 2007-2008.

National Marine Fisheries Service, Alaska Fisheries Science Center: Archival Storage and Dissemination of Data on Northeast Pacific Fish Eggs, Larvae, and Adults, renewal, \$508,508, 2007-2012.

National Marine Fisheries Service, Alaska Fisheries Science Center: Training and Curation for the National Marine Fisheries Service Domestic Observer Program, renewal, \$288,464, 2007-2012.

National Park Service, Pacific Northwest Cooperative Ecosystem Studies Unit: Engaging Citizen Scientists to Survey and Biota of Olympic National Park: Coordination and Logistics,

\$24,000, 2007-2009.

National Science Foundation, Systematic Biology and Biodiversity Inventories Program, Small Grant for Exploratory Research (SGER): Dam Removal on the Elwha: An Urgent Need for Biotic Survey and Inventory, \$193,699, 2008-2009.

National Science Foundation, Systematic Biology and Biodiversity Inventories Program: Dam Removal on the Elwha: An Urgent Need for Biotic Survey and Inventory, \$1,625,910, 2010-2013, pending.

**PROFESSIONAL AND HONORARY SOCIETIES:** American Association for the Advancement of Science.  
American Society of Ichthyologists and Herpetologists.

American Elasmobranch Society

Gilbert Ichthyological Society.

Life Member, Ichthyological Society of Japan.

Linnean Society of London.

Society for the History of Natural History.

Society for the Protection of Old Fishes.

**EXPEDITIONS:** Member and occasionally chief scientist of research cruises to Southern California basins and open ocean aboard the University of Southern California Research Vessel, R/V VELERO IV; ecology of the mid-waters, 1967-1973.

Freshwater, inshore, and reef fish collecting, Atlantic and Pacific coasts of Panama, and Virgin Islands, Spring 1969.

Freshwater fish collecting, southern Mexico, Spring 1972.

Cruise 33, R/V KNORR, Woods Hole Oceanographic Institution, Puerto Rico to Bermuda, mid-water and benthic fish collecting, March 1974.

Marine fish collecting, Puget Sound and associated waters, especially San Juan Islands, numerous trips, 1978-present.

Freshwater fish collecting, Olympic Peninsula, coastal drainages and Lake Ozette, numerous trips, 1978-present.

Fisheries Development Program for UNPATTI, Pattimura University, Ambon, Molucca Islands, Indonesia, sponsored by the U.S. Agency for International Development, Summer 1980.

Marine fish collecting, Oahu, Guam, Palau and Ambon, Summer 1980.

Marine fish collecting, Sydney Harbor, Australia, Autumn 1981.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting on the islands of Kunashir, Zelionyi, Shikotan, and Iturup; aquatic insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Professor Bogorov*, July-August 1994.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting primarily on the islands of Urup, Chirpoi, Broutona, Simushir, Ketoi, Ushishir, and Rasshua; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, reptiles, and mammals; Russian Academy of Sciences R/V *Professor Bogorov*, July-September 1995.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting primarily on the islands of Matua, Raikoke Shiashkotan, Ekarma, Chirinkotan, Kharimkotan, Onekotan, and Paramushir; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Akademik Oparin*, July-September 1996.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting on the islands of Makanrushi, Paramushir, Shumshu, Atlasova, Antsiferova, Ryponkicha, and Brat Chirpoev; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Professor Bogorov*, July-September 1997.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting on the islands of Kunashir, Iturup, Shikotan, Anuchina, Tanfilyeva, Iurii, Zelionyi, and Polonskogo; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Akademik Oparin*, July-September 1998.

International Kuril Island Project, “Biodiversity of the Kuril Archipelago,” collecting on Kamchatka and the islands of Atlasova, Paramushir, Shumshu, Onekotan, Shiashkotan, Ekarma, Matua, Rasshua, Yankicha, Ketoi, Simushir, Chirpoi, Urup, Iturup, and Kunashir; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Akademik Oparin*, July-September 1999.

International Kuril Island Project, “Biodiversity and Paleobiology of the Kuril Archipelago,” collecting and archaeological surveys on the islands of Shumshu, Paramushir, Onekotan,

Kharimkotan, Shiashkotan, Raikoke, Matua, Yankicha, Simushir, Chirpoi, Brat Chirpoev, and Urup; plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Okean*, July-September 2000.

International Sakhalin Island Project, “Biodiversity of Sakhalin Island,” collecting on Sakhalin and the island of Moneron; lichens, mosses, liverworts, fungi, plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; Russian Academy of Sciences R/V *Okean*, July-September 2001.

International Sakhalin Island Project, “Biodiversity of Sakhalin Island,” collecting on Sakhalin Island; lichens, mosses, liverworts, fungi, plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; July-August 2002.

International Sakhalin Island Project, “Biodiversity of Sakhalin Island,” collecting on Sakhalin Island; lichens, mosses, liverworts, fungi, plants, aquatic and terrestrial insects, spiders, freshwater and terrestrial mollusks, freshwater and anadromous fishes, amphibians, and reptiles; July-September 2003.

Numerous fieldtrips to the Elwha River Valley and Olympic National Park as part of an NSF-funded biotic survey and inventory of microbes, non-vascular plants, and invertebrates to build a database for comparison of change resulting from the demolition of the Elwha and Glines Canyon dams; February 2008—present.

**TEACHING EXPERIENCE:** Mankind Emerging, Biology for Non-majors: University of Southern California, Los Angeles, Summer 1973.

Seminar in Biological Oceanography: Harvard University, Cambridge, Autumn 1974.

General Zoology: BIO 216, California State University at Long Beach, Autumn 1975, Spring and Autumn 1976, Spring and Autumn 1977, Spring 1978.

Ichthyology: BIO 320, California State University at Long Beach, Autumn 1975, Spring and Autumn 1976, Spring and Autumn 1977, Spring 1978; FISH 401, University of Washington, Seattle, Autumn 1978, Spring and Autumn 1979-1989.

Advanced Ichthyology, Concepts of Systematics and Biogeography: BIO 520, California State University at Long Beach, Autumn 1976, 1977.

Comparative Developmental Anatomy: BIO 332, California State University at Long Beach, Spring 1976.

Graduate Seminar in Fisheries, Resource Sharing in Marine Fish Communities: FISH 522, University of Washington, Winter 1979.

Marine Fish Biology: FISH 465, Friday Harbor Laboratories, University of Washington, Summer 1979.

Graduate Seminar in Fisheries, Concepts of Systematics and Biogeography: FISH 522, University of Washington, Spring 1980.

Advanced Ichthyology, Systematics of Larval Fishes: FISH 503, University of Washington, Spring 1981.

History of Ichthyology: FISH 503, University of Washington, Spring 1982.

Literature Search in Fisheries: FISH 395, University of Washington, Spring and Autumn 1983.

Comparative Developmental Anatomy of Fishes: FISH 311, University of Washington, Spring 1985-1988.

Biology of Fishes: FISH 311, University of Washington, Autumn 1995-1997, Winter, 1990-2000.

Systematics, Zoogeography, and Evolution of Fishes: FISH 401, University of Washington, Autumn 1993, Spring 1995, 1996, 1999.

The Wonderful World of Fishes: A Freshman Seminar: GEN ST 197, University of Washington, Autumn 1998.

Biology of Fishes: FISH/BIOL 311, University of Washington, Winter, 2001-2007, 2009.

Grant and Contract Proposal Writing for Graduate Students: FISH 521, University of Washington, Spring 2002, 2003, Winter 2004-2007.

Museum Curation Practicum in Ichthyology: MUS 585B, Graduate Program in Museology, University of Washington, Spring 2009.

**HONORS** University of Washington, College of Ocean and Fishery Sciences  
**AND AWARDS:** Outstanding Graduate Teaching Award for 1986.

University of Washington, College of Ocean and Fishery Sciences Outstanding Research Award for 1986, honorable mention.

University of Washington, College of Ocean and Fishery Sciences Outstanding Undergraduate Teacher Award for 1986, honorable mention.



University of Washington, College of Ocean and Fishery Sciences Outstanding Graduate Teacher Award for 1988, honorable mention.

University of Washington, College of Ocean and Fishery Sciences Distinguished Graduate Teacher Award for 1989, honorable mention.

University of Washington, College of Ocean and Fishery Sciences Distinguished Undergraduate Teaching Award for 1997.

University of Washington Distinguished Teaching Award for 1998.

University of Washington, College of Ocean and Fishery Sciences Distinguished Graduate Teaching Award for 2002.

Robert H. Gibbs, Jr. Memorial Award for an Outstanding Body of Published Work in Systematic Ichthyology, presented by the American Society of Ichthyologists and Herpetologists at the 85th Annual Meeting of the Society in Tampa, Florida, 11 July 2005.

Dorothy T. Gilbert Professor of Ocean and Fishery Sciences, University of Washington, Seattle, Washington, 2008-present.

**PROFESSIONAL PRESENTATIONS:** Systematics and Distribution of Ceratioid Anglerfishes of the Genus *Oneirodes*: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Los Angeles, California, June 1971; Natural History Museum of Los Angeles County, March 1973.

Precocious Sexual Parasitism in the Deep-sea Ceratioid Anglerfish *Cryptopsaras couesi* Gill: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Ottawa, Canada, June 1974.

Interrelationships of Lophiiform Fishes: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Williamsburg, Virginia, June 1975.

Dimorphism, Parasitism and Sex: Reproductive Strategies Among Deep-sea Ceratioid Anglerfishes: Department of Biology, California State University, Long Beach, October 1975; Department of Biology, California State University, Fullerton, March 1976; Department of Biology, San Francisco State University, April 1977; School of Fisheries, University of Washington, Seattle, October 1978; Department of Biological Structure, University of Washington, December 1978; Friday Harbor Laboratories, University of Washington, July 1979; Department of Marine Science, University of South Florida, St. Petersburg, April 1985; Friday Harbor Laboratories, University of Washington, June 1985; Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon, April 1988; Department of Fisheries, Humboldt State University, Arcata, California, February 1990; Faculty of Fisheries, Hokkaido University, Hakodate, 11 September 1991; Department of Fisheries, Kyoto University, 18 September 1991; Department of Fisheries, Kochi University, Kochi, 24 September 1991; Ocean

Research Institute, University of Tokyo, 26 September 1991; Burke Museum of Natural History and Culture, University of Washington, 27 May 1992; Greater Seattle Aquarium Society, 10 November 1993.

The Feeding Mechanism of *Stylephorus chordatus*: Functional and Ecological Implications: Fairbanks, Alaska, June 1976; Department of Biology, California State University, Long Beach, March 1977.

Evolutionary Relationships of the Sea Moths (Teleostei: Pegasidae) with a New Classification of Gasterosteiform Families: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Gainesville, Florida, June 1977.

Evolutionary Relationships of the Sand Lances (Teleostei: Ammodytidae): Field Museum of Natural History, Chicago, February 1978; Annual Meeting of the American Society of Ichthyologists and Herpetologists, Tempe, Arizona, June 1978.

Functional Morphology of the Feeding Mechanism of Shallow Water Anglerfishes of the Genus *Antennarius*: Department of Biology, California State University, Long Beach, March 1978; Department of Biological Sciences, Florida State University, Tallahassee, April 1978; School of Fisheries, University of Washington, Seattle, May 1978; Annual Meeting of the American Society of Ichthyologists and Herpetologists, May 1978; Annual Meeting of the Society for the Protection of Old Fishes, Seattle, Washington, December 1978.

Morphological and Cinematographic Evidence for an Ultra-Fast Feeding Mechanism in Lophiiform Anglerfishes: Department of Zoology, University of Washington, January 1979; School of Fisheries, University of Washington, March 1979; Department of Environmental, Population, and Organismal Biology, University of Colorado at Boulder, April 1993; Greater Seattle Aquarium Society, 8 March 1994; Dean's Club Annual Reception, College of Ocean and Fishery Sciences, University of Washington, 6 April 1994.

The Tetrabrachiidae: A New Family of Lophiiform Fishes Based on *Tetrabrachium ocellatum* Günther (1880), with a New Classification of Antennarioid Families: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Orono, Maine, August 1979.

Systematics and Distribution of Anglerfishes of the Family Antennariidae: International Conference on the Systematics and Evolution of Indo-Pacific Coral Reef Fishes, The Australian Museum, Sydney, September 1981; Annual Meeting of the American Society of Ichthyologists and Herpetologists, Dekalb, Illinois, June 1982.

Systematics and Distribution of Gasterosteiform Fishes of the Family Pegasidae: International Conference on the Systematics and Evolution of Indo-Pacific Coral Reef Fishes, The Australian Museum, Sydney, September 1981.

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National Museum of Natural History, Washington, D.C., July 1983; History of Science Reading Group, Department of Biomedical History, University of Washington, October 1986.

Ontogeny and Systematics of Lophiiform Fishes: Ontogeny and Systematics of Fishes, An International Symposium Dedicated to the Memory of E. H. Ahlstrom, San Diego, August, 1983.

Sea Toads, Sea Mice, and Fishing Frogs: Systematics and Distribution of Shallow Water Anglerfishes of the Family Antennariidae: Department of Zoology, University of Washington, April 1984; School of Fisheries, University of Washington, May 1985; Friday Harbor Laboratories, University of Washington, June 1985.

The Phylogenetic Relationships of Lophiiform Fishes: Fifth Congress of European Ichthyologists, Stockholm, Sweden, August 1985.

Sea Toads, Sea Mice, and Fishing Frogs: Phylogeny and Functional Morphology of Antennariid Anglerfishes: Department of Marine Science, University of South Florida, St. Petersburg, December 1985.

Phylogenetic Relationships of Trachinoid Fishes of the Family Uranoscopidae: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Albany, New York, June 1987.

Louis Renard (1678/79-1746) and his *Fishes, Crayfishes, and Crabs: A Natural History of the Rarest Curiosities of the Seas of the Indies*: History of Science Reading Group, Department of Biomedical History, University of Washington, October 1987. School of Fisheries, University of Washington, March 1989.

Traditionalism or Cladism, Which has Prevailed: State of the Art Symposium, invited speaker, Annual Meeting of the American Society of Ichthyologists and Herpetologists, Ann Arbor, Michigan, June 1988.

Large Females, Tiny males, and Sexual Parasitism: Reproduction in Deep-sea Devilfishes: Sigma Xi Lecture, Sigma Xi, The Scientific Research Society, University of Washington Chapter, 9 November 1988.

Osteology and Relationships of the Sand Lances (Teleostei: Ammodytidae): Annual Meeting of the American Society of Ichthyologists and Herpetologists, San Francisco, California, June 1989.

Early Collection Building in Puget Sound and Adjacent Waters: The 1880 Expedition of David Starr Jordan and Charles Henry Gilbert: Annual Meeting of the American Society of Ichthyologists and Herpetologists, Charleston, South Carolina, June 1990; Annual Meeting of the Gilbert Ichthyological Society, Hatfield Marine Science Center, Newport, Oregon, 6 October 1990.

Early Ichthyology in Puget Sound: Edwin Chapin Starks (1867-1932) and the “Young Naturalists Society” of Seattle: Annual Meeting of the Gilbert Ichthyological Society, McKenzie Bridge, Oregon, 29 September 1992.

A Revision of the Deep-sea Ceratioid Anglerfish Genus *Lasiognathus* (Lophiiformes: Oneirodidae): Annual Meeting of The Gilbert Ichthyological Society, Randall, Washington, 18 September 1993.

Charles Plumier and His Drawings of French and American Fishes: Gilbert Ichthyological Society, University of Washington, 7 January 1993.

A Blind Date in the Deep Sea: Slides and Stories of Some of the UW Fish Collection's Most Fascinating Species: Burke Museum of Natural History and Culture, University of Washington, 17 February 1994.

Biodiversity of the Kuril Archipelago: Preliminary Results of a Survey and Inventory of the Southern Kuril Islands: Burke Museum of Natural History and Culture, University of Washington, 4 October 1994; Gilbert Ichthyological Society, University of Washington, 21 October 1994; American Institute of Fisheries Research Biologists, Annual Banquet Dinner, 17 November 1994; Faculty of Fisheries, Hokkaido University, Hakodate, Japan, 22 March 1995; Faculty of Science, Hokkaido University, Sapporo, Japan, 24 March 1995.

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Hot Water Gobies: Preliminary Studies of a Unique Hydrothermal Ecosystem on Kunashir Island, Kuril Archipelago: Present State and Scope of Studies on Freshwater and Coastal Fishes of the Asian Far-East, a symposium held in conjunction with the 29th Annual Meeting of the Ichthyological Society of Japan, Hokkaido University, Hakodate, Japan, 4 October 1996.

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Undergraduate Research Opportunities at the University of Washington: University of Washington Honor Student Invitational, Haggett Hall, University of Washington, 18 July 1998.

The International Kuril Island Project: Accomplishments and New Directions: Annual Meeting of the Gilbert Ichthyological Society, Hatfield Marine Science Center, Newport, Oregon, 18 September 1999; Seventh Annual Northwest Regional Conference for Russian, East European, and Central Asian Studies, The Evergreen State College, Olympia, Washington, 14 April 2001; International Symposium on Kuril Island Biodiversity, Sapporo, 20 May 2001.

Modern Day Darwins: Discovering New Life Forms on the Russian Kuril Islands: Burke Museum of Natural History and Culture, University of Washington, 3 February 2000; The Henry Suzzallo Society, Spring Luncheon and Program, University of Washington, 12 June 2000.

The Progress of Systematic Research on Fish Biodiversity: Unknowns in the History of Ichthyology: International Symposium on Diversity of Fishes, Towards a New Horizon of Understanding of Biodiversity, in Commemoration of the Tenth Anniversary of His Majesty the Emperor's Accession to the Throne, National Science Museum, Tokyo, Japan, 24-25 February 2000.

The International Kuril Island Project and the Biotic Surveys and Inventories Program of the U.S. National Science Foundation: International Symposium on Kuril Island Biodiversity, Sapporo, 19 May 2001.

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L' Oeuvre ichthyologique de Charles Plumier, lors de 3 voyages aux Antilles (1689, 1693, et 1695): François J. Meunier, Michel Thireau, Marie-Louise Bauchot, Aline Hamonou-Mahieu, and T. W. Pietsch, Congrès annuel du Comité des Travaux Historiques et Scientifiques, La Rochelle, France, 18-23 April 2005 (oral presentation by F. J. Meunier).

Dimorphism, Parasitism, and Sex Revisited: Reproductive Strategies among Deep-sea Ceratioid Anglerfishes: 7th Indo-Pacific Fish Conference, Taipei, Taiwan, 18 May 2005 (paper sole-authored by Pietsch, oral presentation by C. P. Kenaley).

The Curious Death of Peter Artedi: Petrus Artedi Tercentennial: Symposium on Systematic Ichthyology, The Royal Swedish Academy of Sciences and Swedish Museum of Natural History, Stockholm, Sweden, 13 September 2005; Annual Meeting of the Gilbert Ichthyological Society, Pack Forest, Eatonville, Washington, 1 October 2005; Annual Meeting of the Society for the Protection of Old Fishes, Center for Urban Horticulture, Seattle, 20 October 2006.

Macrobiotic Communities of Vailulu'u Seamount, Samoan Archipelago: American Geophysical Union, fall meeting, San Francisco, 5-9 December 2005 (one of eight authors, paper presented by C. M. Young).

Search for the World's Smallest Vertebrate: Burke Museum of Natural History and Culture, University of Washington, Seattle, 25 May 2006; Annual Meeting of the Gilbert Ichthyological Society, Hatfield Marine Science Center, Newport, Oregon, 23 September 2006; Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil, 17 May 2007.

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2007; Management Board Meeting, Burke Museum of Natural History and Culture, University of Washington, Seattle, 25 April 2007.

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