SEA-GOING EXPERIENCE

1988-1991	Los Angeles Harbor Pilot Safely piloted ocean-going vessels of any size and tonnage in the Port of Los Angeles. Maneuvered vessels to and from their berths and anchorages in accordance with local and national laws.		
1984-1988	Master		Licensed: 1/07/82
	-Exxon Galveston -Exxon New Orleans	-Exxon San Francisco -Exxon North Slope	-Exxon Philadelphia* -Exxon Houston*
1979-1984	Chief Mate		Licensed: 3/15/79
	-Exxon Galveston* -Exxon New Orleans*	-Exxon Baton Rouge -Exxon Houston	-Exxon Philadelphia* -Exxon Benicia
1977-1979	Second Mate		Licensed: 6/27/77
	-Exxon Galveston -Exxon Newark	-Exxon New Orleans -Exxon Washington	-Exxon Philadelphia -Exxon Baton Rouge
1975-1977	Third Mate		Licensed: 7/19/75
	-Exxon Newark -Exxon Houston	-Exxon Philadelphia -Exxon Boston	-Exxon Baton Rouge -Exxon Baton Washington *Supervised shipyard operations

MARITIME SAFETY CREDENTIALS

- 2012 Nominated by the Commandant of the U.S. Coast Guard to chair the Towing Safety Advisory Committee's (TSAC) task force on safety standards for portable maritime vapor-control systems. As chairman, I am leading a selected group of industry experts to develop new standards for design, installation, operation, and certification of vapor-control systems to reduce the discharge of hazardous vapors.
- 2012 Reappointed to the Towing Safety Advisory Committee by the Secretary of Homeland Security.
- 2009 Appointed by the Secretary of Homeland Security to serve on the Towing Safety Advisory Committee (TSAC*) to advise the Department on matters relating to shallow-draft inland and coastal waterway navigation and towing safety. *<u>TSAC's Purpose</u>. Under the authority of Title 33, United States Code, Section 1231a, the Secretary of Transportation, through the Commandant of the Coast

Guard, has delegated the Chief, Office of Marine Safety, Security and Environmental Protection the responsibility to establish the Towing Safety Advisory Committee (TSAC). "The Committee shall serve as a deliberative body to advise the Secretary of Transportation, via the Commandant, U.S. Coast Guard, on matters relating to shallow-draft inland and coastal waterway navigation and towing safety." (emphasis added). Homeland Security Internet Web site.

- 2007 Consultant to Florida Board of Pilot Commissioners regarding pilot training.
- 2004-2012 Consultant and Expert Witness to Florida Board of Pilot Commissioners for administrative law hearing and pilot examinations.
- 1997 NAVSAC Navigation Equipment Committee Member.
- 1997 NAVSAC Committee Meeting Chairman for Rules of the Road.
- 1996 NAVSAC Prevention Through People Committee Member.
- 1995 NAVSAC Human Factors Committee Member.
- 1995 Updated ARCO Marine, Inc.'s Oil Spill Prevention Plan for the State of Washington.
- 1994 Appointed by the Secretary of the U.S. Department of Transportation to serve on the Navigation Safety Advisory Council (NAVSAC) to advise the Department of Transportation to advise the Secretary of Transportation, via the Commandant, U.S. Coast Guard, on matters relating to the prevention of collisions, ramming and groundings, including, but not limited to: Inland Rules of the Road, International Rules of the Road, navigation regulations and equipment, routing measures, marine information, diving safety, and aids to navigation systems. NAVSAC members must have particular expertise, knowledge and experience in the Navigation Rules of the Road (International and Inland), aids to navigation, navigational safety equipment, vessel traffic service, and traffic separation schemes and vessel routing.
- 1993 Created a Safety and Health Manual based on the International Loss Control Institute model and the International Petrochemical Safety Rating System for West Coast Shipping Company, the shipping division of Unocal Corporation.
- 1993 Provided outlines defining the scope and detail needed in bridge organization and deck operations manuals for the Washington State Office of Marine Safety as a benchmark for evaluating safe shipping policies in State waters.
- 1992-1993 Reformulated the Bridge Management, Master's Administration, Deck Operations, and Port Terminals Manuals for ARCO.

1992 Received letter from Los Angeles Chief Pilot acknowledging the piloting of over 1,000 ships. 1990 Received letter by Acting Chief Pilot of successfully completing the Los Angeles Pilot Training Program with extensive training and capable of handling normal pilot assignments. 1990 Received letter by Acting Chief Pilot congratulations including a commendation for a fine safety record in promotion to Port Pilot II. 1988 Selected in a nationwide search for a Los Angeles Harbor Pilot. Sailed as Master for Exxon including duties as licensed Radio Officer under the FCC waiver coastwise trade between San Francisco and Valdez. Conducted performance reviews and forced ranking of all Deck and Engine Officers under my supervision. 1987 Recipient of award by Exxon Shipping Company (USA) based on contributions and high performance as a member of Exxon Shipping Company's management team. 1986 Promoted to permanent Master by Exxon Shipping Company (USA) based on evidence of leadership in the supervision and handling of people and in my professional, technical competence as applied to operations maintenance and cargo handling, administration skills, and support of company policies and objectives. 1986-1987 Received Exxon's West Coast Fleet Office Shipping Manager's Award for safe vessel conduct. The award was given to the crew members responsible for the best managed ships in each fleet with respect to all phases of responsibilities aboard the ship. Certain areas observed were: the casualty/safety record and program, adherence to budgets and goals, energy conservation, vessel utilization, maintenance and repair programs, and the commitment of the crew to corporate goals and objectives. 1985 Master of the first Exxon vessel sent to South Korea for shipyard repairs. Had the overall responsibility of working with crew members and contractors with respect to vessel safety and adherence to the Code of Federal Regulations and OSHA. 1984 Sailed as youngest Captain for Exxon Shipping Company (USA) in modern times. 1979 Sailed as youngest Chief Mate for Exxon Shipping Company (USA) in modern times.

ENDORSEMENTS

Endorsed as First Class Pilot of Steam and Motor Vessels (any gross tons):

- Upon Los Angeles and Long Beach Harbor approaches including San Pedro Bay
- Upon the waters of Prince William Sound; and for entrance to San Francisco Bay from sea to the Golden Gate Bridge.

EDUCATION

National Safety Council Occupational Safety and Health Services Unit Continuing Education Units Session 208, Preventing Slips, Trips and Falls. Completed Slips, Trips and Falls Class 2008.

National Safety Council Occupational Safety and Health Services Unit Continuing Education Units Session 226, Job Safety Analysis. Completed Job Safety Analysis Class 2008.

National Safety Council Occupational Safety and Health Services Unit Continuing Education Units Session 205, Ergonomics. Completed Ergonomics Class 2004, 2006.

American Bureau of Shipping's training program on the ISM Code.

Texas Engineering Extension Service, College Station, TX: completed marine fire fighting strategy and tactics course.

Port Ravel, Grenoble, France: Completed courses in handling offshore and treatment vessels, general shiphandling maneuvers including anchoring, docking, single point mooring, bank effect, shallow water effect, transiting narrow channels and canals, and special maneuvers.

Leith Nautical College, New York, NY: Completed inert gas systems and crude oil wash courses.

California Maritime Academy, Vallejo, CA: B.S. Nautical Science, 1975. Valedictorian. Seamanship Award: Best Conduct Award, Naval Reserve Commission Ensign.

PAST AND PRESENT AFFILIATIONS

Member, Navigation Safety Advisory Council, Council of American Master Mariners, Marine Underwriters of Southern California, Propeller Club of the United States, National Safety Council, International Marina Institute, Offshore Marine Service Association, American Boating & Yacht Council, National Fire Protection Association, and The Marine Society of the City of New York.