

I have over thirty years of experience in Boating Safety, Safety Standards, Boating Accident Investigation, Boat Manufacturing, and Federal Regulations. I specialize in marine electrical systems, fuel systems, flotation standards, and small craft capacities and boating safety. I am an accomplished public speaker on these subjects.

Since retirement Oct, 2004 I have created and managed the New Boat Builders Home Page at <http://newboatbuilders.com>, a web site for people starting a boat building business. I Blog on Boating Safety at <http://newboatbuilders.blogspot.com/> and Boat Building at <http://newboatbuildersnews.blogspot.com/>. I built a 12 foot rowing dinghy, an 8 foot sailing dinghy, and restored a 1972 18 foot Sea Ray 190 I/O. I worked on a US Coast Guard research study on flotation foam for the American Boat and Yacht Council (ABYC). I authored an article on fuel tanks for Pacific Yachting . [http://newboatbuilders.com/docs/PY\\_JAN09\\_51-54\\_FUEL\\_TANKS.pdf](http://newboatbuilders.com/docs/PY_JAN09_51-54_FUEL_TANKS.pdf)

Experience:

20 years as Coast Guard enlisted and officer  
14 years as Coast Guard civilian engineer  
1965 Lockheed Shipbuilding, Naval Architecture Div  
1965-1969 USCG Fire Control Technician (Electronics)  
1969-1972 Lockheed Shipbuilding, Naval Architecture Div and Ship Repair  
1973-1976 USCG Fire Control Technician (Electronics)  
1976-1979 USCG Boating Accident Investigation  
1978-1981 USCG Assistant Director of USCG Auxiliary in Salt Lake City, UT  
1981-1984 USCG Industrial Facility Manager, USCG Base San Francisco  
1984-1989 USCG Boating Safety, Standards, USCG Headquarters  
1990-2004 Civilian Engineer Boating Safety, Standards USCG HQ

Bachelor of Science Operations Management  
Associate of Applied Arts (Engineering)  
Certificates in Electronics from US Navy and Technical Training Inst.

Member American Boat and Yacht Council since 1984: Past Committee membership  
Electrical PTC  
Fuel and Ventilation  
Battery Chargers  
Refrigeration and Air Conditioning  
Fire Fighting Equipment  
Hull Performance  
Thermal Appliances

Other Past committee membership  
SAE Marine Engine Wiring  
SAE Fuel System Subcommittee  
NASBLA Boats and Associated Equipment

Guest Speaker at the following events:  
NMMA Engineering Standards Compliance Seminars (for nine years)  
International Boat Builders Exhibition (IBEX) on various subjects.  
Houseboat Expo Louisville Ky  
Testimony before the California Air Resources Board (CARB)  
Moderator for public hearings on propeller guards..  
The International Association of Marine Investigators (IAMI)  
A variety of other venues such as, yacht clubs, schools, businesses.

Professional Associations: US Naval Institute, American Boat and Yacht Council  
Distinguished Alumni, Westlawn Institute of Marine Technology:  
Commanders Award For Sustained Excellence in Federal Service  
Coast Guard Auxiliary National Commodores Distinguished Service Award  
National Defense Service Award  
Coast Guard Meritorious Unit Commendation  
Coast Guard Sea Service Ribbon  
Coast Guard Good Conduct