

GARY C. KESSLER

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Experience diving and boating in a large variety of waters and conditions for purposes of recreation, training/education, rescue, marine archaeology, light commercial work, SCUBA and fishing charters, passenger/bike ferry operations, and eco-tours. Research interests in maritime cybersecurity.

SCUBA CERTIFICATION AND MARINE LICENSES

- L.A. County Parks & Recreation, SCUBA Diver, 1967
- PADI, Open Water Diver, Advanced Open Water Diver, Rescue Diver, 1991
- PADI, Divemaster and Open Water SCUBA Instructor, 2009; Master SCUBA Diver Trainer, 2011 (#250556)
 - *Instructor Specialties include:* AWARE - Coral Reef Conservation, Boat Diver, Deep Diver, Emergency First Response (EFR), Emergency Oxygen Provider, Enriched Air Diver, Heritage Awareness Diver, Introductory Course in Underwater Archaeology (*Maritime Archaeological & Historical Society*), Night Diver, Technical Diving Tec Gas Blender, Underwater Naturalist, Underwater Navigator, Wreck Detective (*Nautical Archaeological Society*), Wreck Diver, and Wrecks of Lake Champlain [author]
- USCG 50 GT Master Inland Water/OUPV Near Coastal and Tow Assist License

RELATED EXPERIENCE, TRAINING, AND EMPLOYMENT

- Member of Colchester Rescue Squad, Colchester, VT, 1978-1981, 1984-1998, 2002-2005.
- Vermont Emergency Medical Technician (EMT), 1979-1982, 1984-2006.
- Colchester Rescue Dive Team, 1991-1998.
- Victory Sports, Colchester, VT -- SCUBA instructor, 2009-2014.
- Discover Diving Dive Center, Port Orange, FL -- Instructor and EAN gas blender, 2012-present.
- SCUBAtyme Dive Charter, Burlington, VT -- Captain, summer 2013.
- Local Motion, Burlington, VT -- Island Line Bike Ferry captain and diver for mooring inspection, repair, and replacement, wrote emergency drill procedures and other documents for T-boat, and general boat preparation and maintenance, summer 2013 and summer 2014.
- Marine Discovery Center, New Smyrna Beach, FL -- Eco-tour/eco-camp boat captain, May 2015-present.
- Maritime Archaeological and Historical Society (MAHS) field school, June 2016
 - Pickles Reef, Key Largo, FL (Barrel wreck)
- Volunteer diver, St. Augustine Lighthouse Archaeological Maritime Program (LAMP), 2017-present

RELATED PUBLICATIONS

- "Understanding and Applying Decompression Dive Tables," online tutorial (2007, 2013), <http://www.garykessler.net/tutorial/index.html>
- *A Short Course on Nautical Charts and Basic Plotting for the Recreational Boater* (2013), http://www.garykessler.net/scuba/library/Charts_Navigation.pdf
- Author of PADI *Wrecks of Lake Champlain* Distinctive Dive Specialty Course, 2013
- Kessler, G.C. (2016, Fall). The Wrecks of Lake Champlain. *MAHSnews*, the Newsletter of the Maritime Archaeological and Historical Society, 27(2), 5-8.
- Kessler, G.C. (2017, November 8). Web Site Security for Seaports and Shipping Lines. *The Maritime Executive Online*. Retrieved from <https://www.maritime-executive.com/editorials/web-site-security-for-seaports-and-shipping-lines>

ORGANIZATIONAL MEMBERSHIPS

- Maritime Archaeological and Historical Society (MAHS)
- Professional Association of Dive Instructors (PADI)

EDUCATION

- B.A., Mathematics, 1975
- M.S., Computer Science, 1980
- Ph.D., Computing Technology in Education, 2010

RECENT EMPLOYMENT HISTORY

- Professor of Cybersecurity and Department Chair, Security Studies & International Affairs Dept., Embry-Riddle Aeronautical University, Daytona Beach, FL; August 2012-present.