

## Curriculum Vitae

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# RICK SHEMA, CCM

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Certified Consulting Meteorologist  
President, WeatherGuy.com, LLP

Specializing in forensic investigation in  
marine meteorology and physical  
oceanography worldwide

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### PROFESSIONAL SUMMARY

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- Expert witness in forensic meteorology and oceanography
- American Meteorological Society (AMS) Certified Consulting Meteorologist
- Board of Directors AMS Certified Consulting Meteorologists
- Over 32 years of marine meteorological experience
- Retired U.S. Naval meteorological and oceanographic officer after 24 years of service
- Expertise in Pacific Ocean and Tropical Meteorology
- Expert in ship routing to avoid hazardous weather
- Expert consultant for shoreside decision makers
- Past full time high school teacher in Physics and Oceanography
- U. S. Sailing Safety at Sea volunteer instructor
- Rear Commodore for Sail for local yacht club

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### EDUCATION

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- Naval Postgraduate School  
Master of Science in Meteorology and Physical Oceanography, 1988  
Thesis, "Correlation Between Satellite Aerosol Derived Characteristics and Oceanic Dimethyl Sulfide", December 1988.
- Pennsylvania State University  
Bachelor of Science in Biology, 1978
- Senior Leadership Total Quality Management, 1995
- U.S. Navy Legal Justice School for Perspective Commanding Officers/Executive Officers, 1995
- American Meteorological Society Short Course, Certified Consulting Meteorologist, 2015
- Continual professional development by attending conferences, seminars, and journals

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## WORK EXPERIENCE

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- Weatherguy.com, LLP; Consulting Meteorologist and President  
2002 to Present
  - ✓ Provided expert witness testimony in forensic meteorology, advantageously settling all cases out of court to the benefit of my clients.
  - ✓ Provided innovative meteorological and oceanographic consultation products and services.
  - ✓ In 2017, temporary teacher for physics and oceanography for a private high school until a permanent hire could be located.
- U.S. Navy Surface Line Officer and Meteorologist and Oceanographer  
1978 to 2002
  - ✓ Commissioned an Ensign and retired as Commander
  - ✓ Eight years of sea duty
  - ✓ Held Top Secret-Special Compartmented Information security clearance
  - ✓ Studied tropical cyclones and supported U.S. Navy assets when assigned to Navy Pacific Meteorology and Oceanography Center/Joint Typhoon Warning Center, Guam.
  - ✓ Staff Meteorologist and Oceanographer, Commander Patrol and Reconnaissance Force, U.S. Pacific Fleet, Hawaii. Reconstructed weather and oceanographic events for underwater acoustics missions
  - ✓ Executive Officer, Operations Officer for Naval Pacific Meteorology and Oceanography Center, Hawaii. Developed optimum ship routing and forecasts for Department of Defense assets
  - ✓ Chief meteorologist and oceanographer, USS Saratoga CV-60

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## PUBLICATIONS

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- Durkee, P. A., F. Pfeil, E. Frost and R. Shema (1991). Global analysis of aerosol particle characteristics. *Atmos. Env.*, 25A, 2457-2471.
- Shema, Richard A., "Oahu Climate", August 1998
- Shema, Richard A., "Weather Considerations for Transpacific Yacht Races", September 2001
- Shema, Richard A., "Spaghetti and Alpha Bit Soup", *Latitude and Attitude*, Seafaring Edition, November/December 2002
- Chapter contribution to the book **Extreme Waves** by Smith, Craig B., Joseph Henry Press, 2006.

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## AWARDS AND HONORS

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- Eagle Scout
- U.S. Navy Meritorious Service Medal (twice)
- U.S. Navy Commendation Medal (three times)
- Community Service Letters of Appreciation

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## VOLUNTEER ACTIVITIES AND BOARDS

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- Board of Directors American Meteorological Society Certified Consulting Meteorologists
- Member, Association of Certified Meteorologists
- Instructor, American Meteorological Society Short Course, Certified Consulting Meteorologist, 2020
- Boy Scouts of America, Aloha Council, Founder and Chairman of Gifted and Physically Disabled Scouts Committee
- Boy Scout Counselor for Weather and Oceanography Merit Badges
- Meteorology instructor in marine weather for U.S. Sail and Power Squadrons students
- Guest speaker for American Sailing Association Safety at Sea Seminars
- Homeowners association President
- Local church operations advisory board

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## HOBBIES

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- Physical fitness, blue water and coastal sailing, swimming, hiking, camping, and most outdoor activities
- Philanthropy