

CURRICULUM VITAE

Thomas W. Mader

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Education:

- M.S.E: Engineering Management
The Catholic University of America
- M.S: Nuclear Physics
U.S. Naval Postgraduate School
Thesis: "Neutron Form Factors from Elastic Electron-Deuteron Scattering"
- A.B: Physics
University of California, Berkeley

Professional Qualifications:

- U.S. Coast Guard Chief Engineer License, Steam, Motor and Gas Turbine
- Standards of Training, Certification and Watchkeeping Certificate:
Chief Engineer
Survival Craft (Lifeboatman)
Person in Charge of Medical Care
- Qualified for supervision, operation and maintenance of naval nuclear propulsion plants

Professional Experience:

- Academic:
California Maritime Academy, Assistant Professor of Marine Engineering Technology
(August 2001 to present)
California Maritime Academy, Lecturer in Marine Engineering Technology
(June 2000 to August 2001)

- Engineering Management:
Deputy for Navy Strategic Systems, Office of the Under Secretary Of Defense for Acquisition and Technology (August 1995 to August 1997)
Branch Head, Submarine Tactical Weapons, Office of the Chief of Naval Operations (July 1991 to January 1993)
Special Assistant to the Program Manager, Submarine Combat Systems, Naval Sea Systems Command (May 1984 to March 1987)
Material Officer, Submarine Squadron Fourteen (August 1979 to August 1981)
- Sea Service:
6 months as a Licensed Watch Engineer aboard USTS Golden Bear III
2 months as First Assistant Engineer aboard USTS Golden Bear III
65 months as Commanding Officer (master equivalent) aboard USS Miami (SSN 755) and USS Florida (SSBN 728)
31 months as Executive Officer (chief mate equivalent) aboard USS Shark (SSN 591)
42 months as Engineer Officer (chief engineer equivalent) aboard USS Kamehameha (SSBN 642)
23 months as Main Propulsion Assistant (first assistant engineer equivalent) aboard USS Haddock (SSN621)
64 months qualified and serving as an Engineering Officer of the Watch (licensed engineering watch officer equivalent) aboard USS Kamehameha (SSBN 642) and USS Haddock (SSN 621)

Publications:

Curriculum Quality Management, IAMU News, October 2003

Engineer's Operating Manual, Steam Plant Simulator, 4th Edition laboratory manual
Published for Fall Semester 2001 and all subsequent simulator course offerings

Professional Service:

- California Maritime Academy (2000-present)
- U.S. Navy (1970-2000)

Professional Association Memberships:

- Society of Naval Architects and Marine Engineers
 - Northern California Section Membership Chairman (Fall 2002 – Fall 2004)
 - Northern California Section Vice-Chairman (Fall 2004 – Fall 2005)
 - Northern California Section Chair (Fall 2005 – Fall 2006)
- United States Naval Institute (February 2003-present)
- Naval Submarine League (1991-present)

Community Service:

- California State Employees Campaign:
 - Chairman, CMA Campaign Committee (2001)
 - Donor Representative (2000-2003)
- Brotherhood of Saint Andrew, Saint Paul's Episcopal Church, Benicia, CA