

TIMOTHY S. WOLTERS

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Department of History

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Education

- 2004 Ph.D., Massachusetts Institute of Technology, History of Science & Technology
Committee: David A. Mindell (chair), Merritt Roe Smith, David A. Rosenberg
- 1996 M.A., University of Maryland, American History
- 1991 Certified Nuclear Engineer, U.S. Navy, Bureau of Naval Reactors
- 1987 B.A., University of Notre Dame, Computer Applications (*magna cum laude*)

Employment

- 2004-Present Assistant Professor, History Department, College of Humanities, Arts, and Social Sciences, and Adjunct Professor, Engineering and Technology Education, College of Engineering, Utah State University, Logan, Utah
- 2003-2004 Ramsey Chair of Naval Aviation History, Smithsonian Institution, National Air & Space Museum, Washington, DC
- 1996-1999 Senior Researcher, Anti-Submarine Warfare Technology Group, Johns Hopkins University Applied Physics Laboratory, Laurel, Maryland
- 1987-Present Officer, U.S. Navy (active/reserve). Current billet: Commanding Officer, Pacific Strike Group Operations Detachment D, Salt Lake City, Utah

Works in Progress

Book Manuscript: *Managing a Sea of Information: Shipboard Command and Control in the United States Navy, 1873-1945*. Out for external review.

Article: "Recapitalizing the Fleet: The American Naval Revolution Revisited." Under consideration at *Technology and Culture*.

Publications*Peer-Reviewed Articles*

"Electric Torpedoes in the Confederacy: Reconciling Conflicting Histories," *The Journal of Military History*, July 2008, 755-783.

“‘Carry Your Credit in Your Pocket’: The Early History of the Credit Card at Bank of America and Chase Manhattan,” *Enterprise and Society: The International Journal of Business History*, June 2000, 315-354.

Encyclopedia Articles

“Fifty Million Dollar Bill,” with Kara L. Parker, in Spencer C. Tucker, ed., *The Encyclopedia of the Spanish-American and Philippine-American Wars: A Political, Social, and Military History* (Denver: ABC-CLIO, 2009) (forthcoming).

“Naval Vessels, U.S., Auxiliary,” in Spencer C. Tucker, ed., *The Encyclopedia of the Spanish-American and Philippine-American Wars: A Political, Social, and Military History* (Denver: ABC-CLIO, 2009) (forthcoming).

“United States Auxiliary Naval Force,” in Spencer C. Tucker, ed., *The Encyclopedia of the Spanish-American and Philippine-American Wars: A Political, Social, and Military History* (Denver: ABC-CLIO, 2009) (forthcoming).

“Samuel S. Robison,” in Christopher H. Sterling, ed., *Military Communications: From Ancient Times to the 21st Century* (Denver: ABC-CLIO, 2008), 378-379.

“TBS (Talk Between Ships),” in Christopher H. Sterling, ed., *Military Communications: From Ancient Times to the 21st Century* (Denver: ABC-CLIO, 2008), 437-438.

Book Reviews

“Testing American Sea Power: U.S. Navy Strategic Exercises, 1923-1940,” by Craig C. Felker, *Technology and Culture*, October 2008, 1097-1099 (forthcoming).

“The Railroad and the State: War, Politics, and Technology in Nineteenth-Century America,” by Robert G. Angevine, *Western Historical Quarterly*, Summer 2006, 232-233.

“Stray Voltage: Warfare in the Information Age,” by Wayne M. Hall, *International Journal of Naval History*, December 2003, 4 pages.

“A Radar History of World War II: Technical and Military Imperatives,” by Louis Brown, *Journal of Military History*, January 2002, 235-236.

“Paying with Plastic: The Digital Revolution in Buying and Borrowing,” by David Evans and Richard Schmalensee, *Business History Review*, Summer 2001, 403-406.

Other Publications

“Utah’s Regressive New Tax Plan,” *Salt Lake City Tribune*, December 31, 2006, O1.

“A Cost Effective Submarine Force,” *United States Naval Institute Proceedings*, June 1994, 69-70.

Academic Grants, Honors, and Awards

- 2005-2008 Utah State University New Faculty Research Grant
- 2004 Society for the History of Technology/NSF Writing Workshop Grant
- 2002-2003 IEEE Life-Member Fellowship in Electrical History
- 2002-2003 National Science Foundation Dissertation Improvement Grant
- 2002 Society for the History of Technology's Levinson Prize for "Beyond the Line: Professionalization and Signalling Technology in the 18th Century Royal Navy"
- 2002 Society for the History of Technology Travel Grant
- 2001-2002 Dibner Institute for the History of Science & Technology Dissertation Fellowship
- 2001-2002 Naval Historical Center John D. Hayes Dissertation Fellowship
- 2000 Society for the History of Technology Travel Grant
- 1999-2000 Dibner Institute for the History of Science & Technology Dissertation Fellowship

Refereed Conference Presentations

- 2008 "Flares, Lights, & Pigeons: Marine Communications Before Wireless," North American Society for Oceanic History Annual Conference, Pensacola, Florida
- 2007 "Accurate, Timely, and Secure: U.S. Navy Fleet Problems and the Importance of Information, 1929-1940," Society for Military History Annual Conference, Frederick, Maryland
- 2006 "'Originated, I Believe': Electric Torpedo Development in the Confederate States of America," Society for Military History Annual Conference, Manhattan, Kansas
- 2004 "In War and Peace: The Coordination of Naval Forces," Society for the History of Technology/National Science Foundation Writing Workshop, Woods Hole Oceanographic Institute, Cape Cod, Massachusetts
- 2002 "Locating the Brains of a Warship: The Construction of Shipboard Information Processing Stations Before and After the Naval Battle of Guadalcanal," Society for the History of Technology Annual Conference, Toronto, Ontario
- 2000 "Grown Men on Tricycles: Radar Training for Warfare at Sea, 1941-1945," Society for the History of Technology Annual Conference, Munich, Germany
- 1997 "A Technology Destined to Fail? Reexamining the Navy's Drone Anti-Submarine Helicopter System," Princeton University's Annual Graduate History Conference, Princeton, New Jersey

Invited Talks

- 2008 "Technology and Industry in Nineteenth Century America," Teaching American History Connections Program for Charter Schools, Park City, Utah
- 2008 "America's 'Tools of Empire': Technologies of Westward and Overseas Expansion," Partnership for the Active Teaching of American History, America West Heritage Center, Wellsville, Utah
- 2007 "Hidden History: Top Secret Technologies of the Cold War," American History Summer Institute for Advanced Placement High School Teachers, Murray, Utah
- 2007 "Agricultural Mechanization," Partnership for the Active Teaching of American History, America West Heritage Center, Wellsville, Utah
- 2006 "Machine Shops, Railroads, and Warships: Mechanical Engineering in America, 1830-1910," Mechanical & Aerospace Engineering Department Seminar Series, Utah State University, Logan, Utah
- 2006 "The Money Revolution and America's Middle Class," Partnership for the Active Teaching of American History, America West Heritage Center Wellsville, Utah
- 2006 "Naval Affairs in the Early Republic," History Department, United States Naval Academy, Annapolis, Maryland
- 2003 "Carrier Advocates versus Battleship Admirals: New Perspectives on an Old Rivalry," National Air & Space Museum, Smithsonian Institution, Washington, DC
- 2003 "The Second World War: A Scientific and Technological Perspective," History Department, Utah State University, Logan, Utah
- 2002 "The U.S. Navy's Adoption of Tactical Radio, 1899-1918," Naval Historical Center, Washington, DC

Other Conference Work

- 2008 Conference Director, *Phi Alpha Theta* Regional Conference, Utah State University, Logan, Utah
- 2006 Chair and Commentator, "Science and Individuals," *Phi Alpha Theta* Regional Conference, University of Utah, Salt Lake City, Utah
- 2005 Chair, "From the Skies to the Depths: Allied Anti-Submarine Warfare in the Second World War," Society for Military History Annual Conference, Charleston, South Carolina

Courses Taught

American Financial History (USU)
 Historical Methods and Research (USU)
 History of Aviation and Aeronautics (USU)
 Structure of Engineering Revolutions (USU)
 United States History, 1877 to Present (USU)
 Science and Technology in World History (USU)
 Civil War and Reconstruction (MIT Teaching Fellow)
 History of American Technology (MIT Teaching Fellow)
 Ethical Considerations in the History of Science (MIT Teaching Fellow)

Professional Service

Manuscript Reviews

Texas A&M University Press
 World Book Encyclopedia
 Pearson Longman

National Service

Membership Advisory Committee, Society for Military History (2007-Present)
 Editorial Advisory Board, *Military Communications*, ABC-CLIO (2004 -2007)
 Member, Vice Chief of Naval Operation's "Task Force History" (2003-2004)

Utah State University Service

Faculty Advisor, *Phi Alpha Theta* History Honor Society (2005 - Present)
 Member, Faculty Search Committee (2007-2008)
 Member, History Department Undergraduate Scholarship Committee (2004 - 2007)
 Member, Technology, Environment, and Science in the Liberal Arts Curriculum Development Committee (2004 - 2007)
 Co-Chair, Undergraduate Research and Creative Opportunities Grant Committee (2005 - 2006)

Professional Affiliations

Society for the History of Technology
 Society for Military History
 Business History Conference
 Business & Economic Historical Society
 MIT Security Studies Program
 Naval Submarine League
 Naval Historical Foundation