Tamara Thomsen

5524 Lake Mendota Drive, Madison, Wisconsin 53705

(608) 347-2822

tamara.thomsen@wisconsinhistory.org

# Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Master of Science. Genetics, University of Wisconsin – Madison, 1993

**Bachelor of Science**.Horticulture and Agronomy, University of Wisconsin – Madison, 1991

# Experience\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Underwater Archaeologist/Historic Preservation Specialist,** May 2004 - present

Wisconsin Historical Society, Office of the State Archaeologist, Madison, Wisconsin

* Acting State Underwater Archaeologist May 2010-Octber 2010, and March 2013 to present.
* Principle Investigator/Research Diver
* Diving Safety Board Member
* Dive Safety Officer
* Wisconsin History Center Advisory Committee Member
* State spokesperson for maritime heritage and preservation through multimedia presentations, radio, and newspaper interviews; Disseminate maritime heritage information through museum kiosks, exhibits, websites, educational geocaching, and historic markers.
* Grant writer/administrator
* Boat captain

**Research Scientist,** January 1998- May 2003.

University of Wisconsin-Madison, Banfield Lab, Department of Geology and Geophysics, Madison, Wisconsin

* General lab work including protein analysis, DNA/RNA work, light and scanning electron microscopy
* Designed database for microscope imagery
* Field collection/experiment design: bacteria and water samples from submerged lead/zinc mines

**Owner/Manager,** May 1994 – present.

Diversions Scuba LLC, Madison, Wisconsin

* Technical and recreational scuba diving instruction
* Profitable scuba retail business compliant with professional diving standards
* Import/Export business of diving computers, rebreathers and rebreather accessories

**Field Projects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Principle Investigator, Car Ferry *Milwaukee* Archaeological Survey. Wisconsin Historical Society, Milwaukee, Wisconsin. 2013- 2014.
* Principle Investigator, Steamer *Lakeland* Archaeological Survey. Wisconsin Historical Society, Sturgeon Bay, Wisconsin. 2013.
* Principle Investigator, Barkentine *Major Anderson* Archaeological Survey. Wisconsin Historical Society, Two Rivers, Wisconsin. 2013.
* Principle Investigator, Canaller *Floretta* Archaeological Survey. Wisconsin Historical Society, Manitowoc, Wisconsin. 2013.
* Photographer/Research Diver, Self-unloading Schooner Barge *Adriatic* Survey. Wisconsin Historical Society/East Carolina University, Sturgeon Bay, Wisconsin. 2013.
* Project Co-Leader, Delaware Mine Survey. Michigan Technical University. 2012-2013.
* Co-Principle Investigator, Steambarge *Australasia* Archaeological Survey, Wisconsin Historical Society, Sevastopol, Wisconsin. 2012.
* Co-Principle Investigator, Self-unloader *EMBA* Archaeological Survey. Wisconsin Historical Society, Milwaukee, Wisconsin. 2012.
* Photographer/Field Researcher, Biological Inventory of Nivida Cave. University of California - Berkeley/ Smithsonian Tropical Research Institute. Bocas del Toro Provence, Panama. 2012.
* Co-Principle Investigator, Canaller *America* Archaeological Survey. Wisconsin Historical Society, Kewaunee, Wisconsin. 2012.
* Mosaic Team Leader, RMS *Titanic* Survey Project, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts. 2011.
* Co-Principle Investigator, Scow Schooner *Silver Lake* Archaeological Survey. Wisconsin Historical Society, Sheboygan, Wisconsin. 2011.
* Co-Principle Investigator, Schooner *Lady Ellen* Archaeological Survey. Wisconsin Historical Society, Algoma, Wisconsin. 2011.
* Photographer/Research Diver, Badger Army Ammunition Plant Neotenic Salamander Study. Wisconsin Department of Natural Resources, Baraboo, Wisconsin. 2010- 2013.
* Principle Investigator, Schooner *Island City* Archaeological Survey. Wisconsin Historical Society, Port Washington, Wisconsin. 2010.
* Principle Investigator, Steambarge *Appomattox* Archaeological Survey, Wisconsin Historical Society, Shorewood, Wisconsin. 2010.
* Principle Investigator, Canaller *Walter B. Allen* Archaeological Survey, Wisconsin Historical Society, Sheboygan, Wisconsin. 2010.
* Co-Principle Investigator, Jacksonport North Archaeological Survey. Wisconsin Historical Society, Jacksonport, Wisconsin. 2010.
* Photographer/Research Diver, Proyecto Arqueolόgico el Culto al Cenote. Universidad Autonoma de Yucatan. Piste, Yucatan, Mexico. 2010.
* Co-Principle Investigator, Scow Schooner *May Flower,* Archaeological Survey, Great Lakes Shipwreck Preservation Society, Duluth, Minnesota. 2009-2010.
* Surveyor, Golliath’s Cave Survey, Minnesota Department of Natural Resources, Preston, Minnesota. 2009-2010.
* Co-Principle Investigator, Schooner *Gallinipper,* Archaeological Survey. Wisconsin Historical Society, Manitowoc, Wisconsin. 2009.
* Co-Principle Investigator, Schooner *Northerner,* Archaeological Survey. Wisconsin Historical Society, Port Washington, Wisconsin. 2009.
* Research Diver, 3D Shipwreck Mosaic Project. Woods Hole Oceanographic Institution, Sheboygan, Wisconsin. 2009.
* Photographer/Research Diver, Sistema Crustacea, Cave-Adapted Crustacean Survey. Texas A&M Univ.-Galveston / Univ. of California Berkeley, Puerto Morelos, Q. Roo, Mexico. 2009-2012.
* Photographer/Research Diver, Proyecto Arqueolόgico el Culto al Cenote. Universidad Autonoma de Yucatan. Merida, Yucatan, Mexico. 2008.
* Co-Principle Investigator, Steamer *Robert Wallace* Phase II Archaeological Survey. Great Lakes Shipwreck Preservation Society. Knife River, Minnesota. 2008.
* Co-Principle Investigator, Schooner *Byron* Archaeological Surveys. Wisconsin Historical Society. Manitowoc, Wisconsin. 2008.
* Co-Principle Investigator, Schooner *Home* Archaeological Surveys. Wisconsin Historical Society. Sheboygan, Wisconsin. 2008.
* Co-Principle Investigator, Deep Wreck Mosaic Survey. Wisconsin Historical Society and Woods Hole Oceanographic Institute’s Advanced Imaging and Visualization Lab. Lake Michigan, Wisconsin. 2008.
* Surveyor, Mystery Cave Survey, Minnesota Department of Natural Resources, Preston, Minnesota. 2008.
* Co-Principle Investigator, Green Bay Sloop Archaeological Survey. Wisconsin Historical Society. Sturgeon Bay, Wisconsin. 2008.
* Photographer, Proyecto Arqueolόgico el Culto al Cenote . Universidad Autonoma de Yucatan. Merida, Yucatan, Mexico. 2008.
* Photographer, Bermuda Cave Inventory. Texas A&M University-Galveston. Hamilton, Bermuda. 2008.
* Research Diver, Schooner Barge *Moonlight* Archaeological Survey. Wisconsin Historical Society and Great Lakes Shipwreck Preservation Society. Michigan Island, Wisconsin. 2006.
* Co-Principle Investigator, Big Bay Sloop Archaeological Survey. Wisconsin Historical Society. LaPointe, Wisconsin. 2007.
* Co-Principle Investigator, Steamer *Wisconsin* Archaeological Survey. Wisconsin Historical Society. Kenosha, Wisconsin. 2007.
* Photographer/Research Diver, Cave-Adapted Crustacean Survey. Texas A&M University-Galveston. Eleuthera, Bahamas. 2007.
* Project Leader, Rodham Mine Exploration and Mapping Project. Wisconsin Speleological Society. Shullsburg, Wisconsin. 2006
* Research Diver, Steamer *Marquette* Archaeological Survey. Wisconsin Historical Society and Great Lakes Shipwreck Preservation Society. Michigan Island, Wisconsin. 2006.
* Co-Principle Investigator, Schooner *Rouse Simmons* Archaeological Survey. Wisconsin Historical Society. Two Creeks, Wisconsin. 2006
* Research Diver, Steamer *Continental* Archaeological Survey. Wisconsin Historical Society and East Carolina University. Two Rivers, Wisconsin. 2006.
* Photographer/Research Diver, Cave-Adapted Crustacean Survey. Texas A&M University-Galveston, Abaco, Bahamas. 2006.
* Assistant Investigator, Scow Schooner *Tennie and Laura* ROV Survey. Wisconsin Historical Society and the University of Wisconsin-Milwaukee’s Great Lakes Water Institute. Port Washington, Wisconsin. 2005.
* Assistant Investigator, Schooner *Daniel Lyons* Archaeological Survey. Wisconsin Historical Society. Algoma, Wisconsin. 2005.
* Photographer/Research Diver, Cave-Adapted Crustacean Survey. Texas A&M University-Galveston. Long Island, Bahamas. 2005.
* Assistant Investigator, Scow Schooner *Ocean Wave* Archaeological Survey. Wisconsin Historical Society. Sevastopol, Wisconsin. 2005.
* Assistant Investigator, Scow Schooner *Iris* Archaeological Survey. Wisconsin Historical Society. Jackson Harbor, Wisconsin. 2005.
* Assistant Investigator, Reynolds’ Pier Archaeological Survey. Wisconsin Historical Society. Jacksonport, Wisconsin. 2004.
* Research Diver, Apostle Islands Shipwreck Photo Mosaic Survey. Wisconsin Historical Society. Bayfield, Wisconsin. 2004.
* Project Leader, Boiling Spring – Texas County Cave Survey. NSS – Ozark Highlands Grotto. Licking, Missouri. 2003.
* Project Leader, Boiling Spring on the Gasconade Cave Exploration and Survey. NSS – Ozark Highlands Grotto. Dixon, Missouri. 2003.
* Research Diver, Schooner *Kate Kelly* Archaeological Survey. Wisconsin Historical Society. Racine, Wisconsin. 2003.
* Research Diver, Schooner *Lumberman* Archaeological Survey. Wisconsin Historical Society. Oak Creek, Wisconsin. 2003.
* Project Leader, Morgan Big Spring Survey. NSS – Ozark Highlands Grotto. Laclede County, MO. 2002.
* Research Diver, USS *Monitor* Phase III Archaeological Survey. NOAA/NURC. Hatteras, North Carolina. 2000 and 2001.
* Volunteer, Currituck Sound Phase I Archaeological Survey. East Carolina University. Currituck, North Carolina. 2001.
* Research Diver, Bacteria and Water Sampling from Potosi Lead Mine. University of Wisconsin–Madison. Potosi, Wisconsin. 2000.
* Project Leader, Castle Rock Spring Cave Exploration Project. Wisconsin Speleological Society. Fennimore, WI. 1998.

**Publications\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Thomsen, Tamara. 2013 Awash with Nashes –Loss of the Car Carrier *Senator*. *The Nash Times*.
* Thomsen, Tamara. 2013. Barentine *Major Anderson*. National Register of Historic Places Nomination.
* Thomsen, Tamara and Chad Gulseth. 2013. Canaller *Floretta*. National Register of Historic Places Nomination.
* Zant, Caitlin and Tamara Thomsen. 2013. Self-Unloading Schooner Barge *Adriatic*. National Register of Historic Places Nomination.
* Meverden, Keith and Tamara L. Thomsen. 2013. Wisconsin Coal Haulers: Underwater Archaeological Investigations from the 2012 Field Season. *State Archaeology and Maritime Preservation Technical Report Series #13-001.* Wisconsin Historical Society, Madison, WI.
* Thomsen, Tamara. 2013. How do you Sheboygan? - *UMSAT Show Guide*, February.
* Thomsen, Tamara. 2012. Solving Mysteries of the *Rouse Simmons* Shipwreck; An Archaeological Survey. *Wisconsin Magazine of History*, Vol. 96:40-41.
* Meverden, Keith and Tamara L. Thomsen. 2012. Self-unloading barge *EMBA*. National Register of Historic Places Nomination.
* Meverden, Keith and Tamara L. Thomsen. 2012. Canaller *America*. National Register of Historic Places Nomination.
* Meverden, Keith and Tamara L. Thomsen. 2012. Wooden Bulk Carrier *Australasia*. National Register of Historic Places Nomination.
* Thomsen, Tamara. 2012. Manitowoc, Wisconsin, A Wreck Diver’s Paradise- UMSAT Show Guide.
* Meverden, Keith and Tamara L. Thomsen. 2011. Scow schooner *Silver Lake*. National Register of Historic Places Nomination.
* Meverden, Keith N., Tamara L. Thomsen and Matthew J. Carter. 2011. The Golden Age of Sail on the Great Lakes: Underwater Archaeological Investigation of Wisconsin’s Sailing Fleet 2010-2011. *State Archaeology and Maritime Preservation Technical Report Series #12-002.* Wisconsin Historical Society, Madison, WI.
* Thomsen, Tamara. 2011. Exploring Great Lakes Canallers, *Columns*, Vol. 32, 5:5, September-October.
* Thomsen, T. and C. Rock. 2011. Door County Maritime Heritage Geocaching, *Guild Book for Wisconsin State Parks in Door County*.
* Thomsen, Tamara. 2011. Manitowoc, Wisconsin, A Wreck Diver’s Paradise- *UMSAT Show Guide*, February.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Jacksonport Wharf Archeological District. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Scow Schooner *May Flower*. National Register of Historic Places Nomination.
* Thomsen, Tamara L. and Mathew Carter. 2010. Wooden Bulk Carrier *Appomattox*. National Register of Historic Places Nomination – Boundary Expansion.
* Thomsen, Tamara L., Mathew Carter, and Keith Meverden. 2010. Schooner *Island City*. National Register of Historic Places Nomination.
* Thomsen, Tamara L., Mathew Carter, and Keith Meverden. 2010. Canaller *Walter B. Allen*. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Schooner *Home*. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Small Boats on a Big Lake: Underwater Archaeological Investigations of the Wisconsin’s Trading Fleet 2007-209. *State Archaeology and Maritime Preservation Program Technical Report Series #10-001*.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Schooner *Gallinipper*. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2010. Schooner *Northerner*. National Register of Historic Places Nomination.
* Thomsen, Tamara. 2009. Christmas Tree Ship - *Rouse Simmons*, Columns, Vol. 30, 6:5, November-December.
* Thomsen, Tamara. 2009. The *Rouse Simmons*, Advanced Diver Magazine, Vol. 32:77-80.
* Thomsen, Tamara. 2009. Maritime Geocaching a Big Hit, Columns, Vol. 30, 5:4, September-October.
* Thomsen, Tamara. 2009. Bump & Grind- Exploration of Castle Rock Spring, Advanced Diver Magazine, Vol.31; 75-79.
* Meverden, K. and T. Thomsen, 2009. Maritime History Geocaching, Wisconsin Maritime Museum.
* Thomsen, Tamara. 2009. Road Trip- Springs of Missouri, Advanced Diver Magazine, Vol.30: 37-44.
* Meverden, Keith N. and Tamara L. Thomsen. 2009. Green Bay Sloop. National Register of Historic Places Nomination.
* Thomsen, Tamara L. and Keith N. Meverden. 2009. Steamer *Wisconsin*. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2009. Schooner *Byron*. National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2008. Wooden Bulk Carrier *Robert Wallace*. National Register of Historic Places Nomination.
* Meverden, Keith N., Tamara L. Thomsen, Paul P. Kreisa, and David J. Cooper. 2008. Wisconsin’s Historic Shipwrecks: An Overview and Analysis of Locations for a State/Federal Partnership with the National Marine Sanctuaries Program. *State Archaeology and Maritime Preservation Program Technical Report Series #08-003*.
* Meverden Keith N. and Tamara L. Thomsen. 2008. Big Bay Sloop Site. National Register of Historic Places Nomination.
* Meverden Keith N., Tamara L. Thomsen, and John O. Jensen. 2008. Schooner *Lumberman*. National Register of Historic Places Nomination.
* Hoyt, Joseph ,Keith N. Meverden, and Tamara L. Thomsen. 2008. Steamer *Continental*. National Register of Historic Places Nomination.
* Thomsen , Tamara L. and Keith N. Meverden. 2008. *Marquette* – Lake Superior. *Advanced Diver Magazine*, 28:21-23.
* Meverden, Keith N. and Tamara L. Thomsen. 2008. Myths and Mysteries: Underwater Archaeological Investigations of the Lumber Schooner *Rouse Simmons*, Christmas Tree Ship. *State Archaeology and Maritime Preservation Program Technical Report Series #08-001*.
* Meverden, Keith , Brendon Baillod, and Tamara Thomsen. 2008. Schooner-barge *Moonlight*. National Register of Historic Places Nomination.
* Thomsen, Tamara. 2007. Ice Diving 101. *Advanced Diver Magazine*, Vol.27: 61-65.
* Stanton, Gregg, Keith Meverden, Tamara Thomsen, and James Garey. 2007. Closed Circuit Rebreathers in the Forensic Study of the *Rouse Simmons* Shipwreck. Proceeding of the American Academy of Underwater Sciences 25th Symposium.
* Meverden, Keith N. and Tamara L. Thomsen. 2007. Scow Schooner *Tennie and Laura*. National Register of Historic Places Nomination.
* Meverden, Keith N., Brendon Baillod, and Tamara L. Thomsen. 2007. Steamer *Marquette*. National Register of Historic Places Nomination.
* Bazzill, Dinna , Tamara L. Thomsen, and Keith N. Meverden. 2007. Steambarge *Joys.* National Register of Historic Places Nomination.
* Thomsen, Tamara. 2007. A Wreck Diver’s Paradise- Manitowoc, Wisconsin, *Advanced Diver Magazine*, Vol. 25: 29-33.
* Thomsen, Tamara. 2007. Exploration of Rodham Lead and Zinc Mine. *Advanced Diver Magazine*, Vol.26: 70-73.
* Thomsen, Tamara L., Keith N, Meverden, and John O. Jensen. 2007. Schooner *Kate Kelly.* National Register of Historic Places Nomination.
* Thomsen, Tamara L. and Keith N. Meverden. 2007. Canaller *Daniel Lyons*. National Register of Historic Places Nomination.
* Thomsen, Tamara L. 2006. Underwater Treasures- Preserving Wisconsin’s Maritime Heritage. *Wisconsin Magazine of History*, Vol. 89:26-37.
* Pennington, R., K. N. Meverden and T. L. Thomsen. 2006. Schooner *Rouse Simmons*. National Register of Historic Places Nomination.
* Thomsen, Tamara L. and Keith N. Meverden. 2006. Video Capture Shipwreck Photo Mosaics. *Advanced Diver Magazine*, 24:56-59.
* Meverden, Keith N. and Tamara L. Thomsen. 2006. Scow Schooner *Ocean Wave*, National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2006. Schooner *Iris*, National Register of Historic Places Nomination.
* Meverden, Keith N. and Tamara L. Thomsen. 2006. Wheat Chaff and Coal Dust: Underwater Archaeological Investigations of the Grain Schooners *Daniel Lyons* and *Kate Kelly. State Archaeology and Maritime Preservation Program Technical Report Series #06-002*.
* Thomsen, Tamara. 2006. Going into the Deep. Lake Superior Magazine. Vol. 27:16-22.
* Meverden, Keith N. and Tamara L. Thomsen. 2006. Wisconsin’s Cross-Planked Mosquito Fleet: Underwater Archaeological Investigations of the Scow Schooners *Iris, Ocean Wave*, and *Tennie and Laura. State Archaeology and Maritime Preservation Program Technical Report Series #06-001*.
* Thomsen, Tamara L. and Keith N. Meverden. 2006. Schooner *Daniel Lyons*, Lake Michigan. *Advanced Diver Magazine*, 22:59-63.
* Meverden, Keith N. and Tamara L. Thomsen. 2005. SS Wisconsin. *Advanced Diver Magazine*, 20:21-23.
* Thomsen, Tamara L. and Keith N. Meverden. 2005. The Scow *Ocean Wave*. *Advanced Diver Magazine*, 19:59-61.
* Thomsen, Tamara L. and Keith N. Meverden. 2004. Wreck of the *William Young. Advanced Diver Magazine*, 18:12-14.
* Thomsen Tamara. 2003. Boiling Spring-Texas County, Missouri. *Underwater Speleology*, Vol. 31.
* Thomsen, Tamara. 2003. (A Nice Day for) A ‘Wet’ Wedding. *Underwater Speleology*, Vol. 30, No. 4:8.
* Thomsen, Tamara. 2003. A Wet Wedding. *NSS News*, Vol. 61, No. 10:286-287.
* Thomsen, Tamara. 2003. Boiling Spring on the Gasconade. *Advanced Diver Magazine*, Vol.15: 18-23.
* Thomsen, Tamara. 2003. Boiling Spring on the Gasconade-Pulaski County, Missouri. *Underwater Speleology*, Vol. 30, No. 1:9-13.
* Druschel, G.K., M. Labrenz, T. Thomsen, D.A. Fowle, and J.B. Banfield. 2002. Geochemical Modeling of ZnS in Biofilms: An Example of Ore Depositional Processes. *Economic Geology*, Vol. 97:1319-1329.
* Thomsen, Tamara L. and Keith N. Meverden. 2001. Castle Rock Spring - Fennimore, Wisconsin. *Underwater Speleology*, 28(2):12-14.
* Thomsen, Tamara, Keith N. Meverden, and Aaron Gesell. 2000. Lost Mines of Wisconsin. *Advanced Diver Magazine* 5:33-35.
* Banfield, J., S. Welch, H. Zhang, T.Thomsen-Ebert, and R. Penn. 2000. Aggregation-Based Crystal Growth and Microstructure Development in Natural Iron Oxyhydroxide Biomineralization Products, *Science*, Vol. 289:751-754.
* Welsh, S.A., A.M. Skatvold, M. Labrenz, G.K. Druschel, T. Thomsen-Ebert, & J. F. Banfield. 2000. Biogenic Carbonate Precipitation by a Planktonic Microbial Population, *Goldschmidt 2000*, Journal of Conference Abstracts, Vol. 5(2): 1075.
* Labrenz, M., G. Druschel, T. Thomsen-Ebert, B. Gilbert, S. Welch, K, Kemner, G. Logan, R. Summons, S. Kelly, J. Banfield. 2000. Formation of Sphalerite (ZnS) Deposits in Natural Biofilms of Sulfate-Reducing Bacteria, *Science*, Vol. 290:1744-1747.

**Presentations\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Self Unloading Barge *EMBA* Survey, November 2013, Wisconsin Historical Foundation, Milwaukee, Wisconsin.
* Exploring Davidson’s Goliaths, November 2013, Four Lakes Scuba Club, Madison, Wisconsin.
* Wisconsin Historical Society’s 2013 Field Work, October 2013, WUAA Underwater Archaeology Conf., Milwaukee, Wisconsin.
* Rodham Mine Survey, June 2013, Mining History Association Conference, Galena, Illinois.
* Wooden Bulk Carrier *Australasia*, April 2013, Wisconsin Maritime Museum, Manitowoc, Wisconsin.
* Self Unloading Barge *EMBA* Survey, April 2013, University of Wisconsin, Anthropology Dept. Brown Bag Lecture, Madison, Wisconsin.
* Self Unloading Barge *EMBA* Survey, March 2013, Ghost Ships Festival, Milwaukee, Wisconsin.
* Diving the Mines of Wisconsin and Michigan (with John Janzen), March 2013, Ghost Ships Festival, Milwaukee, Wisconsin.
* Remipedes of Anchialine Caves in Q. Roo, Mexico, February 2013, UMSAT Show, Minneapolis, Minnesota.
* Cave Diving in the Upper Midwest, October 2012, Keynote at REACT Conference, Luraville, Florida.
* Wooden Bulk Carrier *Australasia*, September 2012, Wisconsin Historical Society Brown Bag Lecture, Madison, Wisconsin.
* Shipwrecks of Sheboygan County, June 2012, Sheboygan County Historical Society, Sheboygan, Wisconsin.
* Wooden Bulk Carrier *Australasia*, June 2012, Whitefish Dunes State Park, Sevastopol, Wisconsin.
* Piquette Mine, May 2012, Grant County Historical Society, Platteville, Wisconsin.
* Wisconsin’s Connections to *Titanic*, April 2012, University of the Air, Wisconsin Public Radio, Madison, Wisconsin.
* Diving the Mines of Wisconsin’s Historic Lead Mining District, March 2012, Roland Jamison Historic Mining Museum, Platteville, Wisconsin.
* Scow Schooner *Silver Lake* Survey, March 2012, Ghost Ships Festival, Milwaukee, Wisconsin.
* Wooden Bulk Carrier *Appomattox*, February 2012, Wisconsin Alumni Association’s Friday Night at the Biotech Lab, Madison, Wisconsin.
* Wisconsin Historical Society’s 2011 Field Work, February 2012, UMSAT Show, Minneapolis, Minnesota.
* The “Christmas Tree Ship” Survey- December 2011, University Place, Wisconsin Public Television, Madison, Wisconsin.
* WHS Maritime Preservation and Archaeology, September 2011, The Past in Perspective: 2011 Local History and Historic Preservation Conference, Stevens Point, Wisconsin.
* Maritime Geocaching, June 2011, Great Lakes Maritime Transportation Summer Institute, Sturgeon Bay, Wisconsin.
* Wisconsin Historical Society’s 2011 Field Work, October 2011, WUAA Underwater Archaeology Conf., Milwaukee, Wisconsin.
* Canaller *Walter B. Allen* Survey, March 2011, Ghost Ships Festival, Milwaukee, Wisconsin.
* Wisconsin Historical Society’s 2010 Field Work, February 2011, UMSAT Show, Minneapolis, Minnesota.
* The “Christmas Tree Ship” Survey- December 2010, Wisconsin Historical Society Museum on the Square, Madison, Wisconsin.
* Wisconsin Historical Society’s 2010 Field Work, October 2010, WUAA Underwater Archaeology Conf., Milwaukee, Wisconsin.
* The “Christmas Tree Ship” Survey- July 2010, Sturgeon Bay Public Library, Sturgeon Bay, Wisconsin.
* The “Christmas Tree Ship” Survey- June 2010, Wisconsin Potawatomi State Park, Sturgeon Bay, Wisconsin.
* Shipwreck Archaeologist- Hands-On Program for Kids- June 2010, Whitefish Dunes State Park, Sevastopol, Wisconsin.
* Proyecto Arqueolόgico el Culto al Cenote, April 2010, MAST Annual Workshop, Vermillion, Ohio.
* Shipwreck Photo Mosaics, April 2010, MAST Annual Workshop, Vermillion, Ohio.
* Shipwreck Photo Mosaics, March 2010, Ghost Ships Festival, Milwaukee, Wisconsin.
* Proyecto Arqueolόgico el Culto al Cenote, February 2010, Dive into the Past, Minneapolis, Minnesota.
* SAMP- Historic Preservation thru Archaeology, November 2009, WHS Museum/Historic Sites Annual Meeting, Madison, Wisconsin.
* Wisconsin Historical Society’s 2009 Field Work, October 2009, WUAA Underwater Archaeology Conf., Milwaukee, Wisconsin.
* Working with Water-WisconsinShipwrecks.com & MaritimeTrails.com, October 2009, Wisconsin Library Assoc. Conf., Appleton, Wisconsin.
* Underwater Archaeology in Wisconsin- August 2009, Potawatomi State Park, Sturgeon Bay, Wisconsin.
* Diving Lake Superior’s North Shore- March 2009, Ghost Ships Festival, Milwaukee, Wisconsin.
* WHS-WHOI Photo Mosaicing- February 2009, Dive into the Past, Minneapolis, Minnesota.
* Rebreathers 101- February 2009, Our World Underwater, Chicago, Illinois.
* The “Christmas Tree Ship” Survey- December 2008, Universidad Autonoma de Yucatan, Merida, Yucatan, Mexico
* SS *Wisconsin* Survey- October 2008, Charles E. Brown Lecture Series-Wisconsin Historical Society, Madison, Wisconsin.
* SS *Wisconsin* Survey- June 2008, Potawatomi State Park, Sturgeon Bay, Wisconsin.
* Shipwreck Archaeologist- Hands-On Program for Kids- June 2008, Whitefish Dunes State Park, Sevastopol, Wisconsin.
* Caves of Bermuda- April 2008, Universidad Autonoma de Yucatan, Merida, Yucatan, Mexico
* Wisconsin Historical Society’s 2007 Field Work, March 2008, Ghost Ships Festival, Milwaukee, Wisconsin.
* SS *Wisconsin* Survey- March 2008, Wisconsin Maritime Museum, Manitowoc, Wisconsin.
* Wisconsin Historical Society’s 2007 Field Work, February 2008, Dive into the Past, Minneapolis, Minnesota.
* Caves of Bermuda- February 2008, Dive into the Past, Minneapolis, Minnesota.
* The “Christmas Tree Ship” Survey- February 2008, Museum at the Castle-Outagamie County Historical Society, Appleton, Wisconsin.
* The “Christmas Tree Ship” Survey- December 2007, Wisconsin Marine Historical Society, Milwaukee, Wisconsin.
* SS *Wisconsin* Survey- December 2007, Neptune’s Nimrods Dive Club, Green Bay, Wisconsin.
* Wisconsin Historical Society’s 2007 Field Work, October 2007, WUAA Underwater Archaeology Conf., Milwaukee, Wisconsin.
* The “Christmas Tree Ship” Survey- October 2007, Wisconsin Historical Society Museum on the Square, Madison, Wisconsin.
* The “Christmas Tree Ship” Survey- September 2007, Underwater Archaeological Society of Chicago, Chicago, Illinois.
* The “Christmas Tree Ship” Survey- June 2007, Potawatomi State Park, Sturgeon Bay, Wisconsin.
* The “Christmas Tree Ship” Survey- May 2007, National Archives, Chicago, Illinois.
* The “Christmas Tree Ship” Survey- April 2007, Beloit Historical Society Annual Dinner, Beloit, Wisconsin.
* The “Christmas Tree Ship” Survey- April 2007, Charles E. Brown Lecture Series-Wisconsin Historical Society, Madison, Wisconsin.
* Blue Holes of the Bahamas- February 2007, Dive into the Past, Minneapolis, Minnesota.
* USS Monitor- January 2007, Neptune’s Nimrods Annual Banquet, Green Bay, Wisconsin.
* 2005 Fieldwork on the Shipwrecks of Door County- August 2006, Potawatomi State Park, Sturgeon Bay, Wisconsin.
* Schooner *Daniel Lyons*- January 2006, Wisconsin Maritime Museum, Manitowoc, Wisconsin.
* Shipwrecks of Door County- June 2005, Whitefish Dunes State Park, Sevastopol, Wisconsin.
* Boiling Spring on the Gasconade, January 2005, Our World Underwater, Rosemont, Illinois.
* Life on Mars: The Piquette Mine Project, January 2005, Our World Underwater, Rosemont, Illinois.
* Wisconsin Shipwrecks- A Photographic Tour, November 2004, Wisconsin Maritime Museum, Manitowoc, Wisconsin.
* Boiling Spring on the Gasconade, September 2003, Four Lakes Scuba Club, Madison, Wisconsin.
* Big Spring-Laclede County, MO; Boiling Spring-Pulaski County, MO; Boiling Spring-Texas County, MO, 2003 NSS Map Salon, Aug. 2003, Vacaville, California.
* Sidemount Missouri (with Eric Parker Andersen & Richard Dreher)- 2003 NSS Video Salon, August 2003, Vacaville, CA
* Big Spring-Laclede County, MO; Boiling Spring-Pulaski County, MO; Boiling Spring-Texas County, MO, 2003 NSS-CDS Wrkshp. Map Salon, May 2003, Gainesville, Florida.
* Sidemount Missouri (with Eric Parker Andersen & Richard Dreher)- 2003 NSS-CDS Workshop Video Salon, May 2003, Gainesville, Florida.
* USS Monitor Expeditions, February 2002, Four Lakes Scuba Club, Madison, Wisconsin.
* Science Underwater-The Piquette Mine Project, October 2001, Four Lakes Scuba Club, Madison, Wisconsin.
* Exploring Piquette Mine, September 1999, Wisconsin Speleological Society–Madison Chapter, Madison Wisconsin.
* Castle Rock Spring Cave, March 1999, Wisconsin Speleological Society–Madison Chapter, Madison Wisconsin.
* Surviving Hurricane Mitch on Isla Guanaja (Honduras), January 1999, Four Lakes Scuba Club, Madison, Wisconsin.
* North Florida Cave Diving, September 1998, Four Lakes Scuba Club, Madison, Wisconsin.

**Museum Exhibits\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Ship Aground - Story of the steamer Continental. Point Beach State Forest Nature Center, Two Creeks, Wisconsin. October 2012- present.
* Australasia - Lost and Found. Whitefish Dunes State Park Nature Center, Sevastopol, Wisconsin. Semi-permanent. July 2012- present.
* Milwaukee Lost, Northpoint Lighthouse. Milwaukee, Wisconsin. March 2012 – September 2013.
* Ghost Ships of the Schooner Coast. Wisconsin Historical Museum, Madison, Wisconsin. February- June 2012.
* Milwaukee Lost, Wisconsin Historical Museum. Madison, Wisconsin. December 2011-March 2012.
* Ghost Ships of the Schooner Coast. Wisconsin Maritime Museum, Manitowoc, Wisconsin. September 2011, November 2011-January 2012
* Exploring Underwater Archaeology: Shipwrecks of the Great Lakes. Putnam Museum, Davenport, Iowa. March- May 2011

# Honors/Awards\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 2014 Women Divers Hall of Fame Inductee
* 2013 Honorary Member – The Nash Automobile Club of America
* 2013 Joyce S. Hayward Award for Historic Interpretation – Association for Great Lakes Maritime History
* 2013 Ghost Ships Festival Featured Photographer – Great Lakes Shipwreck Research Foundation
* 2012 TDI Outstanding Technical Diving Instructor Award
* 2011 Ghost Ships Festival Featured Photographer – Great Lakes Shipwreck Research Foundation
* 2011 TDI Outstanding Technical Diving Instructor Award
* 2011 C. P. Labadie Special Recognition Award – Great Lakes Shipwreck Preservation Society
* 2008 NSS-CDS International Cave Diving Endorsement
* 2008 NSS-CDS Sheck Exley Safe Cave Diving Award
* 2008 NACD Gold Wakulla Safe Cave Diving Award
* 2006 Minnesota Magazine & Publication Association, Silver Excellence Award- Best Use of Photography
* August 2006 Mega Pixel of the Month- *Popular Science*
* 2006 NSS-CDS Outstanding Volunteer Award
* 2006 Ghost Ships Festival Featured Photographer – Great Lakes Shipwreck Research Foundation
* 2005 Nautical Archaeology Society Photography Contest, First Place
* 2005 The Great Lakes Historical Society Photography Contest, First Place
* 2005 Ghost Ships Festival Featured Photographer ­– Great Lakes Shipwreck Research Foundation
* 2004 The Great Lakes Historical Society Photography Contest, First Place- Underwater
* 2002 NSS-CDS Nicholson Safe Cave Diving Award
* 2001 NACD Silver Wakulla Safe Cave Diving Award
* 1998 NACD Bronze Wakulla Safe Cave Diving Award
* 1998 NSS-CDS Abe Davis Safe Cave Diving Award

**Certifications\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* AAUS Scientific Diver
* PADI Master Instructor
* PADI IDC Staff Instructor
* PADI Master Scuba Diver Trainer
* PADI Open Water Scuba Instructor
* PADI Emergency First Responder Instructor
* PADI Specialty Instructor:

Enriched Air Diver

Search & Recovery Diver

Underwater Navigator

Dry Suit Diver

Night Diver

Deep Diver

Wreck Diver

Ice Diver

Cavern Diver

Equipment Specialist

Drager Dolphin SCR

Oxygen First Aid

Underwater Photographer

Underwater Videographer

Diver Propulsion Vehicle

* DSAT Trimix Gas Blender Instructor
* DAN Oxygen Provider Instructor
* ACUC O2 Instructor
* TDI Basic Nitrox Instructor
* TDI Advanced Nitrox Instructor
* TDI Deco Procedures Instructor
* TDI Extended Range Instructor
* TDI Trimix Instructor
* TDI Advanced Trimix Instructor
* TDI Nitrox Gas Blender Instructor
* TDI Advanced Gas Blender Instructor
* TDI Service Technician Instructor
* TDI Advanced Wreck Instructor
* TDI Intro to Cave Instructor
* TDI Full Cave Instructor
* IANTD Adv. Cave Instructor-Sidemount
* IANTD Adv. Cave Instructor- Survey
* IANTD Adv. Cave Instructor- Stage
* IANTD Adv. Cave Instructor- DPV
* IANTD KISS CCR Air Diluent Instructor
* TDI KISS CCR Air Diluent Instructor
* TDI KISS CCR Air Diluent Decompression Instructor
* TDI KISS CCR Mixed Gas Diluent Instructor
* TDI KISS CCR Hypoxic Mixed Gas Diluent Instructor
* TDI Optima CCR Air Diluent Instructor
* TDI Optima CCR Air Diluent Decompression Instructor
* TDI Optima CCR Mixed Gas Diluent Instructor
* TDI Optima CCR Hypoxic Mixed Gas Diluent Instructor
* SDI Sidemount Instructor
* SDI Solo Diver Instructor
* TDI Inspiration CCR Air Diluent Decompression Diver
* IANTD Megaladon CCR Diver
* NAS Tudor

**Memberships\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Wisconsin Underwater Archaeology Association – Member
* Women Divers Hall of Fame – Member
* National Speleological Society – Life Member
* Mining History Association – Individual Member
* Association for Great Lakes Maritime History – Individual Member

**Grants**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Building Blocks of the Heartland: Underwater Archaeological Investigations of Wisconsin’s Stone Industry** – February 2014 – January 2016. $62,021 award from the University of Wisconsin Sea Grant Institute for archaeological surveys, public outreach and education.
* **Davidson’s Goliaths: Documenting James Davidson’s Remaining Vessels in Wisconsin and his Contributions to Naval Architecture.** February 2012 – January 2014. $76,860 award from the University of Wisconsin Sea Grant Institute for archaeological surveys, public outreach and education.
* **Wisconsin’s Historic Shipwrecks.** June 2012 – July 2014. $220,438 award from Wisconsin Department of Transportation, Transportation Enhancement Grant for archaeological surveys and public education.
* **Diving Deeper: Deepwater Archaeology, Geocaching, and Exhibits Supporting Wisconsin’s Maritime Heritage.** January 2010 – December 2012. $74,968 award from the University of Wisconsin Sea Grant Institute for archaeological surveys and public outreach.
* **Wisconsin’s Maritime Heritage: Early Wisconsin Vessels.**  July 2009 – June 2011. $170,384 award from Wisconsin Department of Transportation, Transportation Enhancement Grant for archaeological surveys and public education.
* **Wisconsin’s Maritime Heritage Survey.** April - June 2008. $11,016 award from Wisconsin Coastal Management for creation of Wisconsin shipwreck GIS application and comprehensive survey of Wisconsin’s maritime heritage resources.
* **Navigating to Knowledge.** January 2008 – December 2010. $85,900 award from the University of Wisconsin Sea Grant Institute for archaeological surveys and public education.
* **Wisconsin’s Maritime Heritage.** July 2007 - June 2009. $176,113 award from Wisconsin Department of Transportation, Transportation Enhancement Grant for archaeological surveys and public education.
* **Wisconsin’s Maritime Trials 2006: The Christmas Tree Ship, *Rouse Simmons*.** July 2006 - June 2007. $33,350 award from Wisconsin Coastal Management for archaeological surveys and public education.
* **Wood, Steel, and Steam: Shipwreck Archaeology, Preservation, and Education.** March 2006 - February 2008$66,346 award from University of Wisconsin Sea Grant Institute for archaeological surveys and public education.
* **Wisconsin’s Maritime Trails 2005: Door County.** July 2005 - June 2006. $136,953 award from Wisconsin Coastal Management for archaeological surveys and public education.
* **Exploring Wisconsin’s Great Lakes Schooners: Integrating Underwater Archaeology, Shipwreck Preservation, and Public Education.** March 2004 - February 2006. $65,274 award from University of Wisconsin Sea Grant Institute for archaeological surveys and public education.
* **Wisconsin’s Maritime Trails 2004: Apostle Islands.** July 2004 - June 2005. $90,765 award from Wisconsin Coastal Management for archaeological surveys and public education.
* **Wisconsin’s Maritime Trails.** July 2001 - June 2005**.** $266,000 award from the Wisconsin Department of Transportation for establishment of the Maritime Trails initiative.