

**CURRICULUM VITAE
PATRICK M. MALONE**

1. PATRICK M. MALONE, PROFESSOR

American Civilization Department
Urban Studies Program

2. EDUCATION

Brown University, Ph.D. in History, 1971.

Dissertation Topic: "Indian and English Military Systems in New England in the Seventeenth Century."

United States Naval Academy, B.S. in General Engineering and History
(two majors), 1964.

3. PROFESSIONAL APPOINTMENTS

Professor of Urban Studies and American Civilization, Brown University, 2009-Present.
Director of the Urban Studies Program, Brown University, 2008-Present.

Associate Professor of Urban Studies and American Civilization, Brown University,
1998-2009.

Affiliated Faculty of Science, Technology, and Society Concentration (STS), Brown
University, 2005-Present.

Advisory Curator of Industrial Archaeology, New Bedford Whaling Museum, 2002-
Present.

Faculty, Teaching Institutes (NEH, NSF, etc.), Tsongas Industrial History Center, 1988-
Present.

Director of Undergraduate Studies in the Urban Studies Program, Brown University,
2000-2008.

Director of the Museum Studies Masters Program in American Civilization, Brown
University, 1981-2005

Principal, Historic Engineering Associates, 1984-2004.

Interim Director of the Urban Studies Program, Brown University, January to July, 2004.

Dibner Senior Fellow and Visiting Scholar, Massachusetts Institute of Technology and
Harvard University, 1996-1997, 2002-2003.

Faculty, NEH Summer Institute, Carnegie-Mellon University, 1999

Assistant Professor of Urban Studies and American Civilization,
Brown University, 1993-1998.

Practicum Leader, Six Seminars on "Interpreting Pennsylvania's Industrial Heritage,"
Pennsylvania Federation of Museums and Historical Organizations, 1994.

Faculty, Summer Institute, Buffalo Bill Historical Center (Course was Accredited by
Montana State University and the University of Wyoming), 1993

Visiting Faculty (Exchange), New University of Lisbon, Portugal, 1993.
Senior Lecturer, American Civilization Department, Brown University, 1988-1993.
Director, Slater Mill Historic Site (AAM accredited museum complex),
Pawtucket, R.I., 1974-1989.
Lecturer, American Civilization Program, Brown University, 1975-1988.
Visiting Faculty, Northeastern University of Technology, People's Republic
of China, 1985.
Assistant Professor of American Civilization and History, Brown U., 1972-1975
Assistant Professor of American Civilization, University of Pennsylvania,
1970-1972.
Teaching Assistant in History, Brown University, 1967-1969.
Metallurgical Research Engineer, Manlabs, Cambridge, MA, 1966, Summers
1967 and 1968.
Officer, United States Marine Corps (Vietnam War Veteran), 1964-1965.

4. COMPLETED RESEARCH AND SCHOLARSHIP

a. BOOKS/MONOGRAPHS

Waterpower in Lowell: Engineering and Industry in Nineteenth-Century America.
Baltimore: Johns Hopkins University Press, 2009.

Forge of Innovation: An Industrial History of the Springfield Armory, 1794-1968,
with Michael Raber, Robert B Gordon, and Carolyn Cooper. Washington, D. C.:
Eastern National, 2008.

Editor of Green Engineering: Parks and Promenades in the Industrial Community, a
Special Theme Issue of IA: The Journal of the Society for Industrial Archeology,
Vol. 24, No. 1 (1998).

Reconstruction of Main Street and Market Square, Woonsocket, Rhode Island,
with Michael Raber. RIDOT Archaeological Series no. 134. Providence, RI:
Rhode Island Department of Transportation, 1997.

The Texture of Industry: An Archaeological View of the Industrialization of
North America, with Robert B. Gordon. New York: Oxford University
Press, 1994. Book Won 1994 AIA International Book Award (See Honors,
Section 8a). Paperback edition published in 1996.

The Skulking Way of War: Technology and Tactics Among the New England Indians.
Baltimore: Johns Hopkins University Press, 1993. Originally published by
Madison Books, Lanham, MD, in 1991. Madison Paperback edition, 2000.

Contributor to The Augusta Canal Master Plan. 2 Vols., Augusta, GA.: Augusta Canal
Authority, 1993. Plan Won 1994 Waterfront Center Award for a Waterfront
Project (See Honors, Section 8a).

Contributor to Muskingum River Lock and Dam Study. Columbus, OH.: Ohio
Department of Natural Resources, 1993. Plan Won 1994 Award for
"Distinguished Technical Publication" from the Southeast Ohio Chapter of the

- Society for Technical Communication (See Honors, Section 8a).
- Inventory of Historic Resources for the Blackstone River Valley National Heritage Corridor, with Slater Mill Staff and Consultants, Uxbridge, MA.; Blackstone River Valley National Heritage Corridor Commission, 1990.
- An Interpretive Essay From the Inventory of Historic Cultural Resources in the Blackstone River Valley National Heritage Corridor, with Beth Parkhurst, Pawtucket, R.I.: Slater Mill Historic Site, 1989.
- Contributor to Waves on the Industrial Shore: Industrial Archeology in Coastal Connecticut and Rhode Island. Washington, D.C.: Society for Industrial Archeology, 1986.
- The Lowell Water Power System: The Pawtucket Gatehouse Hydraulic Turbine, with Robert Wieble. New York: American Society of Civil Engineers, 1985.
- Guidebook: Rhode Island and Southeastern Massachusetts Excursion, with R. Greenwood, G. Kulik, and T. Leary. Washington, D.C.: Society for Industrial Archeology, 1984.
- Canals and Industry: Engineering in Lowell, 1821-1880. Lowell, MA.: Lowell Museum, 1983.
- The Wilkinson Mill, with Gary Kulik. American Society of Mechanical Engineers, 1977.
- Contributor to Lowell: Report of the Lowell Historic Canal District Commission to the Ninety-Fifth Congress of the U.S. 1977. Report Won Three National Awards (See Honors, Section 8a).
- The Lowell Canal System, Lowell, MA: The Lowell Museum, 1976.

b. CHAPTERS IN BOOKS

- Entry on "Industrial Preservation and Reuse" in Burt Feintuch and David Watters, eds., Encyclopedia of New England, New Haven: Yale University Press, 2005, pp. 860-861.
- "Valley Falls Park", with Michael Raber, in Rick Greenwood and Jonathan Kranz, eds., Providence, RI. Providence: Society for Industrial Archeology, 2004), pp. 40-41.
- "A Public Ornament of the City: Corporate Greenspace in Lowell, MA," with Charles Parrott, in Cheryl Kollin, ed., Engineering Green. Washington, DC: American Forests, 2003, pp. 26-30.
- Entries on "Philip, or Metacomet" and "King Philip's War" in John H. Chambers, ed., The Oxford Companion to American Military History. NY: Oxford U. Press, 2000, pp. 366, 547
- "Introduction" to Patrick M. Malone, ed., Green Engineering: Parks and Promenades in the Industrial Community a Special Theme Issue of IA: The Journal of the Society for Industrial Archeology, Vol. 24, No. 1 (1998), pp. 5-8.

- "The Skulking Way of War," in Merritt Roe Smith and Gregory Clancey, eds. Major Problems in the History of American Technology. Boston: Houghton Mifflin, 1998, pp. 41-52.
- "A Land-Based Museum or Visitors' Center," in D. K. Abbass, ed., The Lake George Radeau Planning Meeting. Lake George, NY: The Lake George Historical Association, 1993, pp. 1-10.
- "Canals and Industry" in Robert Weible, ed., The Continuing Revolution: A History of Lowell, Massachusetts. Lowell, MA: Lowell Historical Society, 1991, pp. 137-155.
- "Present and Potential Value of American Inventories," in Les Inventaires Du Patrimoine Industriel: Objectives et Methodes. Paris: Ministere de la Culture et de la Communication, 1986, pp. 45-53.
- "James B. Francis and the Northern Canal," in Jonathan A. French, ed., Boston's Water Resource Development: Past, Present, and Future. New York: American Society of Civil Engineers, 1986, pp. 10-18.
- Foreword to Victor C. Darnell, A Directory of American Bridge-Building Companies, 1840-1900. Washington, D. C.: Society for Industrial Archeology, 1984.
- "Technology and Material Culture in America," Syllabi and Course Materials in Stephen Cutcliffe, ed., The Machine in the University: Sample Course Syllabi for the History of Technology and Technology Studies. Bethlehem, PA: Lehigh University and the Society for the History of Technology, 1983, pp. 117-124.
- "Engineering and Industry in Lowell: 1821-1880" in Emory Kemp, ed., Historical Preservation of Engineering Works. New York: American Society of Civil Engineers, 1981, pp. 134-158.
- "Historical Aspects of Hydropower," Post-Conference Report, New England-Eastern Canadian Provinces Conference on Alternative Energy. 1978, pp. 32-38.
- Multiple entries in Gary Kulik and Julia Bonham, Rhode Island: An Inventory of Historic Engineering and Industrial Sites. Washington D.C.: U.S. Department of the Interior, 1978, pp. ix, 31-32, 78-79, 81, 87-88.

c. REFEREED JOURNAL ARTICLES

- "Surplus Water, Hybrid Power Systems, and Industrial Expansion in Lowell," in IA: The Journal of the Society for Industrial Archeology, Vol. 31, No. 1 (2005), pp. 23-40. Article Won the 2008 Norton Prize from the SIA (See Honors, Section 8a).
- "Experimental Industrial Archaeology: Imitation in Pursuit of Authenticity," IA: The Journal of the Society for Industrial Archeology, Vol. 26, No. 1, (2000), pp. 85-94
- "Greenways in the Industrial City: Parks and Promenades along the Lowell Canals," with Charles Parrott, IA: The Journal of the Society for Industrial Archeology, Vol. 24, No. 1(1998), pp. 19-40.

"Little Kinks and Devices at Springfield Armory, 1892-1918," IA: The Journal of the Society for Industrial Archeology, Vol. 14, No. 1,(1988), pp. 58-76. Article Won the 1989 Norton Prize from the SIA (See Honors, Section 8a).

"Changing Military Technology among the Indians of Southern New England, 1600-1677," American Quarterly, Vol. XXV, No. 1, (March 1973), pp. 48-63.

d. NON-REFEREED JOURNAL ARTICLES

“‘Things’ That Work: The Artifacts of Industrialization,” with Briann Greenfield, for Magazine of History, Vol 15, No. 1 (Fall, 2000), pp. 14-18. This is a special theme issue on “The Industrial Revolution” in the Journal Published by the Organization of American Historians.

"A Good Guide for the Engineer: James B. Francis and Flow Measurement in Lowell," for News From the Burndy Library, Vol. 4, No. 1 (Winter, 1997), pp. 16-20.

"Butte: Cultural Treasure in a Mining Town" for Montana: The Magazine of Western History Vol. 47, No. 4 (Winter, 1997), pp. 58-67.

"Navigation and Waterpower: The Connecticut River's Enfield Canal," Canal History and Technology Proceedings, Vol. XIII, 1994. With Michael Raber, pp. 6-47.

"The New England Textile Industry and Mass Production," in the Proceedings of the Annual Conference of the Association of College Professors of Textiles and Clothing. ACPTC, 1985.

"Museums and the History of Technology," The Weaver of Information and Perspectives on Technological Literacy, Vol III, No. 1, (Fall 1984). Reprint of 1978 article below, pp. 1-2.

"Historical Aspects of Hydropower" [reprinting of 1978 chapter listed above], in Current, Vol. I, No. 1 (Spring, 1982), pp. 12-14.

Course Syllabi in Humanities Perspectives on Technology, 13, (Oct., 1979), pp. 8-10.

"Teaching the History of Technology in Museums," Humanities Perspectives on Technology, No. 9, (December 1978), pp. 3-6.

e. BOOK REVIEWS

Book Reviews in Technology and Culture, Science, New York History, Journal of European Economic History, IA: Journal of the Society for Industrial Archaeology, Journal of American History, Transportation Research, Journal of Economic History, Journal of Interdisciplinary History, and Journal of Labor History

f. INVITED LECTURES/PAPERS/TOURS/SESSIONS CHAIRED/COMMENTS

Parker Lecture Series, Lowell National Historical Park, 2010.

New England American Studies Association Conference, 2009.

The International Conference on the Conservation of the Industrial Heritage (TICCIH), Freiberg, Germany, 2009.

Michigan Technological University (Social Sciences), 2008.

Industrial Heritage Workshop, Michigan Technological University, 2008.

Rhode Island Historic Preservation Conference, 2007.
 American Association for History and Computing Conference, 2007.
 Blackstone Canal Conference, Blackstone River Valley National Heritage Corridor, 2006
 Sheridan Center Symposium, Brown University, 2006.
 Teachers' Institutes at Tsongas Industrial History Center, Lowell, MA, 1988, 1989, 1990,
 1993, 1997 (2), 1998, 1999, 2001 (2), 2002 (2), 2003, 2004, 2006 (2), 2007 (3),
 2008 (2), 2009 (3).
 Society for Industrial Archeology, Annual Meetings, 1976, 1978, 1980,
 1981, 1987, 1989, 1990, 1992, 1995, 1997, 2000, 2002, 2004, 2005.
 Humanities Symposium, Brown University, 2005.
 Tidemill Conference, Dorchester Historical Society, 2005.
 Society for Industrial Archeology (award presentation talk), 2005.
 Crystal Lines, Panama Canal Cruise, Brown Alumni Cruise Lecturer, 2005.
 Teachers' Institute, Butte, Montana, 2005.
 Society of Architectural Historians, 2004.
 Saugatucket River Heritage Corridor Coalition, 2004.
 Tsongas Industrial History Center, U of MA-Lowell, 2003 and 2004.
 Rivers Conference, German Historical Institute, 2003.
 National Urban Forest Conference, 2003.
 American Society for Environmental History, 2003.
 New York Academy of Sciences, 2003.
 Society for Historical Archaeology, 2003.
 Dibner Institute, MIT, 2002.
 Rhode Island Historical Society (Millenium Series for Teachers), 2002.
 Secretary of State's Lecture Series (Rhode Island), 2002.
 Colonial Society of Massachusetts, 2001, 2002.
 Town of Chepachet, 2001.
 Public History Association, Annual Meeting, 2001.
 American-Caribbean Line Cruise/Tours (Lecturer), 2000, 2001.
 Brown Alumni Clubs in Palm Beach and Miami, FL, 2000.
 Brown Alumni Tour of Cities in Tuscany, 1999.
 Lilly Conference on College & University Teaching, University of GA, 1999.
 Willamette University, 1999.
 "Whither IA?" International Conference of the Society for Industrial Archeology ,1998.
 French and Indian War History Seminar at Jumonville, 1998.
 Teachers' Institute, Old Schwamb Mill, 1998.
 Dibner Institute, MIT, 1998.
 Boston University School of Medicine, 1997.
 Yale University Conference on Connecticut Towns, 1997.
 Boston Museum of Science, 1997.
 Dibner Institute, MIT, 1997.
 Montana Historical Society, 1996.
 Lowell National Historical Park, 200th Anniversary of Pawtucket Canal, 1996.

Blackstone Valley Electric Company (Opening of Restored Power Plant), 1996.
Statewide Preservation Conference - Rhode Island Historical Preservation and Heritage Commission, 1996.
Berwick (Maine) Historical Society, 1995.
Massachusetts Institute of Technology, 1976, 1978, 1992, 1995.
Society for the History of Technology, 1978, 1979, 1994.
University of New Hampshire/Manchester Historical Society, 1994.
University of North Carolina at Charlotte, 1994.
Canal History and Technology Symposium, Lafayette College, 1994.
Humanities Institute, Brown University, 1994.
Ironmasters' Conference, 1993.
Rhode Island Geography Alliance, 1993.
Dibner Institute, Cambridge, MA, 1993.
Lake George Historical Association/National Trust Meeting, 1992.
Yale University/Smithsonian Conference, 1992.
Society of Colonial Wars, RI Chapter, 1991.
Historical Archaeology Conference, Warwick, RI, 1991.
Buffalo Bill Historical Center, Cody, WY, 1991.
Third Textile History Conference, 1990.
Old Sturbridge Village, 1990.
University of Pennsylvania, 1989.
Society for the Preservation of Old Mills, 1988.
Hall of Flame Museum, Phoenix, AZ., 1988.
Hagley Museum, Wilmington, DE., 1987.
Roberson Center, Binghamton, NY., 1987.
Association for Preservation Technology, 1987.
American Society of Civil Engineers, 1987.
American Society of Mechanical Engineers, 1987.
Brown University/Haffenreffer Museum Symposium, 1986.
Electron Fusion Devices, Inc., 1986.
Ministry of Culture, Paris, France, 1986.
Northeast Univ. of Technology, Shenyang, People's Republic of China, 1985.
Association of College Professors of Textiles and Clothing, 1985.
Lehigh University, 1985.
Lowell Conference on Industrial History, 1982 and 1984.
International Conference on the Conservation of the Industrial Heritage, Boston, 1984.
Yale University, 1984.
Quinnipiac College, 1984.
Clark University, 1983.
Lowell State Heritage Park, 1983.
Drew University, 1983 SIA Industrial Archeology Symposium.
Lowell State Heritage Park and National Historical Park, 1981, 1982 and 1983.
Rhode Island Governor's Energy Conference, 1982.

Montana State University, 1981.
Philadelphia College of Textiles and Science, 1981.
Amherst College, 1981.
Michigan Technological Institute, 1981.
Smithsonian Institution, 1981.
University of Lowell, 1974 and 1980.
New England American Studies Association, 1980.
Cornell University, 1979.
Boston Society of Civil Engineers, 1979.
Critical Issues in the History of Technology Conference (SHOT), 1979.
Museum of Our National Heritage, 1978.
Engineering Foundation Conference, 1978.
New England-Eastern Canadian Provinces Conference on Alternative Energy
(Rhode Island Governor's Representative), 1978.
Temple University, 1977.
Harvard University, 1976.
Lowell School Department, 1975.
Organization of American Historians, 1972.
Society for American Archaeology, 1971.

g. PAPERS (TECHNICAL)

"Springfield Armory, 1892-1918: Engineering Achievement with 'Little
Kinks and Devices'", Paper #87-WA/HH-3. New York: American Society
of Mechanical Engineers, 1987.

h. OTHER

IN PUBLISHED FORMS:

Contributor to The World of the Renaissance Engineers, Poster, Exhibition, and
Brochure. Cambridge, MA, Dibner Institute, 1997.
Contributor to New York State Canals Special Study: Significance Workshop,
Boston: National Park Service, 1996.
Contributor to "Rediscover Olneyville," Tour Brochure in Both English and Spanish,
Produced in Urban Studies 101B for The Providence Plan, 1995.
Contributor to "Reflections on Geography," Poster for the Rhode Island Geography
Education Alliance (grants from the National Council for Social Studies and the
National Geographic Society), 1995. 2nd Prize, ESRI. See Honors, Section 8a.

Illustration and text from Historical Atlas of the United States (see below, 1988)
included as example in Geography for Life: National Geography Standards.
Washington, DC: Geography Education Standards Project, 1994, p. 102.
"Omega Pond Railroad Bridge," National Register Nomination (approved), with

Edward Connors and Gregory Galer, 1993.

Photographer for Illustrated Article by Thomas E. Leary, "Men and Tongs: The Belgian Rod Mill at the Washburn Wire Company, East Providence, Rhode Island," in IA: The Journal of the Society for Industrial Archeology, Vol. XVIII, nos. 1-2, (1992), pp. 106-122. Article Won the Norton Prize from the SIA, 1994.

Contributor to "Rapids Visitor Center" Poster with Plan for Windsor Locks Canal State Heritage Park. Hartford, CT: Connecticut Department of Environmental Protection, 1991.

Contributor to Blackstone River Canoe Guide. Uxbridge, MA.: Blackstone River Valley National Heritage Corridor, 1991.

Contributor to Cultural Heritage and Land Management Plan for the Blackstone River Valley National Heritage Corridor. Uxbridge, MA: Blackstone River Valley National Heritage Corridor Commission, 1991.

Regular Contributor to The Flyer, Newsletter of Slater Mill Historic Site, 1975-1989.

Principal consultant on drawings and text for "The First Industrial Revolution," in Historical Atlas of the United States. Washington, DC: National Geographic Society, 1988, pp. 148-149.

Field Research and Photography for Matthew Roth and Bruce Clouette, Historic Highway Bridges of Rhode Island. Providence, R.I.: U.S. Department of Transportation and Rhode Island Department of Transportation, 1988.

Editorial advisor and principal historical consultant for David Macaulay, Mill. Boston: Houghton Mifflin, 1983.

Contributor to Peter M. Molloy, ed., The Lower Merrimack River Valley: An Inventory of Historic Engineering and Industrial Sites. North Andover, MA: Merrimack Valley Textile Museum and Historic American Engineering Record, 1978. (Consultant and Author of Several Entries on Lowell Canal Features)

"Water Power in Lowell, Massachusetts," with Larry Lankton, Appended to Testimony in Support of HR 14689, 1974.

FIELD WORK IN INDUSTRIAL ARCHAEOLOGY AND PLANNING:

Consultant on Fall River, MA, Waterfront Planning, for Newport Collaborative, 2009.

Consultant on Tide Mill Interpretation, "Big Dig," UMass Boston, 2000-2007.

Consultant/Advisor to RISD City-State for Providence Planning Exhibition. 2006.

Consultant on Nashua Gatehouse, for Louis Berger Company, Nashua, NH, 2005.

Consultant on park planning, Town of Glocester, RI, 2002.

Consultant on Historic Structures Report, Blackstone River and Canal and Heritage Park, Uxbridge, Massachusetts, 2001.

Consultant on Waterpowered Sites, Chepachet River, Glocester, RI, 1998-2001.

Consultant on Waterpower Stabilization, Moffit Mill, Lincoln, RI, 1998.

Underwater Archaeology and Fortification Survey, Fort Jefferson, Dry Tortugas, with Brown Department of Anthropology, for the National Park Service, 1996.

Co-supervisor, with Lisa Lawless, of Survey of the East Bay Bike Path, carried

out by Utra Assistant, Ross Kribbs, of Brown University, for the Rhode Island Department of Environmental Management. Published Report, 1996.
 Consultant on Lock Excavation, Farmington Canal, CT., 1995.
 Consultant on the New York State Canal System for the National Park Service, 1995.
 Co-Principal Investigator, C. W. Burt Logwood Works Excavation, Providence, RI, for the Narragansett Bay Commission, 1994-1996.
 Co-Principal Investigator, Market Square Phase III, Large Scale Excavations in Woonsocket, Rhode Island, for the RI Department of Transportation, 1994-1996.
 Consultant on Waterpowered Sites, Archaeological Study of Yantic Falls Area, for the City of Norwich, Connecticut, 1994-1995.
 Co-Principal Investigator, Combined Sewer Overflow Site Investigations for the Narragansett Bay Commission, 1994.
 Consultant, HAER Recording Team, Trenton Falls Hydroelectric Plant, 1993.
 Assessor of Historical Significance of Omega Pond Railroad Bridge, East Providence, RI. (and National Register Nomination), 1993.
 Assessor of Historical Significance of the Erie Canal, for New York State Thruway Authority, 1993.
 Member of the "Augusta Team," Augusta Canal Master Plan, Augusta, GA., 1992-1993. Report Won Waterfront Center Award (See Honors, Section 8A)
 Recording Archaeologist and Interpretive Planner, Valley Falls Heritage Park, Cumberland, RI, 1992-1994.
 Co-Principal Investigator, Market Square Phase I and II Excavations, for the City of Woonsocket and RI Department of Transportation, 1992.
 Assessor of Historical Significance of Winchester Brass Mills, Ammunition Factories, and Custom Shop, New Haven, CT., 1992-1994.
 Assessor of Historical Impact, Rhode Island Section, AMTRAK Northeast Corridor Electrification Project, 1992.
 Assessor of Historical Significance of the Tredegar Iron Works, Richmond, Virginia, for the Valentine Museum and the Ethyl Corporation, 1992.
 Assessor of Historical Significance of the Flat Top Pond Industrial Site for the City of West Warwick, RI, 1991.
 Assessor of Historical Significance and Co-Principal Investigator of the Valley Falls Mill Ruins Excavation for the City of Cumberland, RI, 1990-1991.
 Assessor of Historic Engineering Resources on the Muskingum Canal, for the Ohio Department of Natural Resources, 1989 - 1991. Report Won Distinguished Technical Publication Award (See Honors, Section 8A)
 Assessor of Historic Engineering Resources on the Champlain Barge Canal, for the New York Department of Transportation, 1989.

 Supervisor of a Regional Inventory of Historic Cultural Resources and Co-Designer of the Computer Data Base, for the Blackstone River Valley National Heritage Corridor, 1988-1989.

Designer and Guide of Interpretive Canoe Tours, for the Blackstone River Valley National Heritage Corridor Commission, 1988-1989.

Researcher of the History of Springfield Armory, for the National Park Service, 1987-1989.

Member of Planning Team, City of Pawtucket Riverfront Plan, 1985-1989.

Assessor of Historic Highway Bridges, for the Rhode Island Department of Transportation, 1987.

Assessor of Historical Significance of the Winchester Repeating Arms Company Plant, New Haven, 1987.

Preservation Planner for The Great House Site, Boston, 1985.

Assessor of Historic Bridges in Downtown Providence for the Rhode Island Department of Transportation and the Historic American Engineering Record, as part of the Rivers Relocation Project, 1984. The Rivers/Waterplace Project Won a Design Award from the Waterfront Center in 1994.

Preservation Planner for the Bridge Mill Power Plant, Pawtucket, RI, 1983.

Assessor of Historic Engineering Resources on the New York State Barge Canal, for the U.S. Army Corps of Engineers, 1982-83.

Assessor of Historical Impact for Boott Mills Hydroelectric Project, Lowell, MA 1980.

Assessor of Cultural Resources on the Middlesex Canal Route, for the Middlesex Canal Commission, the Metropolitan Area Planning Council, and the Northern Middlesex Planning Council, 1979.

Principal Investigator, Forestdale Scythe Works Excavations, for Brown University's Public Archaeology Laboratory, 1978-1979.

Principal Investigator, Final Phase of Wheel Pit Excavation, Wilkinson Mill (also Co-Designer of Water Power Restoration), 1978.

Supervisor of an Inventory of Historic Engineering Sites in Rhode Island, Co-Sponsored by the Slater Mill Historic Site and the Historic American Engineering Record, 1975-1977.

Member of the "Lowell Team," Plan for National and State Parks in Lowell, MA., 1975-1976. Report Won Multiple Awards (See Honors, Section 8A)

Co-Supervisor and Senior Historian of the Historic American Engineering Record Summer Surveys in Lowell, 1974 and 1975.

Assistant Field Director of Excavations at Hopewell Village National Historic Site (Ironworks), Sponsored by the University of Pennsylvania, 1971.

Member of Emergency Recording Teams for Numerous Projects, including Revere Sugar Company, Grants Mill, Gillette Mill, Moffitt Mill, Joslin's Mill, Bridge Mill Power Plant, Mammoth Mill Ruins, and Byfield Snuff Mill.

HISTORICAL AND MUSEUM CONSULTING:

American Precision Museum, HAER Recording Project, 2009.

Rattlesnake Productions, Documentary Film on Butte, America, 2001-2009.

Michigan Technological University, Industrial Heritage Planning, 2008.
 Tsongas Industrial History Center, Building a City Activity Planning, 2002-2003.
 Lowell National Historical Park, UN World Heritage Site Planning, 2001.
 American Textile History Museum, Lowell, MA, Collections Planning, 2001.
 Rattlesnake Productions,
 Drake Well Museum, Titusville, PA, Interpretive Planning, 2000.
 Lowell National Historical Park, Exhibit Revision Planning, 2000.
 Slater Mill Historic Site, Turbine and Gatehouse Planning, 2000.
 Los Angeles Department of Water and Power: Historic LA Aqueduct Evaluation, 2000.
 Heritage Harbor Museum Planning, RICH Evaluator, 1998-1999.
 National Endowment for the Humanities, Film on David Macaulay's Mill, Principal
 Historical Consultant on Project for PBS, 1995-2000.
 Slater Mill Historic Site, Testimony for Exhibition Film, 1996.
 Allegheny-Kiski Valley Historical Society, Consultant on Exhibits,
 Tours, and Programs, 1996.
 National Canal Museum, Easton, PA., Planning for New Building and Exhibits,
 1995.
 Bucks County Historical Society, PA., Exhibit Review and Assessment, 1993.
 National Science Foundation, History of Technology Curriculum Development Team,
 1991-1993.
 Niagara Mohawk Power Company, Exhibit Planning for Trenton Falls
 Hydroelectric Site, 1993.
 Lake George Historical Association and the National Trust for Historic
 Preservation, Report on Museum Options for the Radeau Project, 1992.
 Lowell National Historical Park, Scale Model of an 1840s Mill, 1991-1992.
 Lowell National Historical Park, Multi-Image Show: "The Wheels of Change,"
 1991-1992.
 RI Department of Transportation, Exhibit of Bridge-Building Photographs,
 1991-1992.
 City of Cumberland, RI, and Blackstone River Valley National Heritage
 Corridor, Interpretive Signs for Valley Falls Heritage Park, 1991-1994.
 Valentine Museum, Tredegar Iron Works Exhibit planning, 1991-1992.
 Historic American Engineering Record Survey of Slater Mill, 1991.
 Connecticut Dept. of Environmental Protection, Historical Report, Exhibit
 Plan, Multi-Image Slide Show ("Currents of the Past"), and Poster for Proposed
 Rapids Visitor Center/Windsor Locks Canal Heritage State Park, 1990-1991.
 Rhode Island Historical Preservation Commission, Advising, 1975-
 Present.

National Trust for Historic Preservation, Heritage Tourism Assessment,
 Southeast Texas, 1990.
 Henry Ford Museum, Industrial Exhibit planning, 1990.
 National Geographic Magazine, Erie Canal Project, 1990.

Hanford Mills Museum, Interpretive Planning, 1990.
Springfield Armory National Historical Site, National Park Service,
Historical Report, 1987-1989; Historical Consultant on "Springfield"
video in 1989.

Tsongas Center, Waterpower Exhibit, 1989-1990. (Dibner Prize Winner. See Section 8a)
Lowell National Historical Park and State Heritage Park, Consultant on Numerous
Exhibit and Park Planning Projects, 1979-1989, Including the State Waterpower
Exhibit ("Idea" Award Winner. See Honors, Section 8a); Two NPS Multi-Image
Shows; and Exhibits in the Boott (Dibner Prize Winner) and Wannalancit Mills.
Blackstone River Valley National Heritage Corridor, Pilot Educational
Program, 1989.

National Geographic Society, US Historical Atlas, 1987.
Slater Mill Historic Site, Multi-Image Show: "Pawtucket: The Cradle of Industry"
(Image Gold Medal Winner. See Honors, Section 8a.), 1985.

Strawbery Banke, N.E.H. Planning Grant, 1984-1985.
David Macaulay, Principal Historical Consultant on Book Mill, 1983.
Charles River Museum of Historic Industry, N.E.H. Planning Grants,
1980-1983.

Lowell National Historical Park, Multi-Image Show: "Lowell: An Industrial
Revelation," Multi Image Gold Medal Winner (See Honors, Section
8A), 1982-1983.

Fall River State Heritage Park, Multi-Image Show: "The Fabric of Fall River,"
1982-1983.

Baltimore Industrial Museum, N.E.H. Planning Grant, 1980.
City of Paterson, N.J., Water Power System, 1979-1980.
Rhode Island Historical Society, Business Records Project, 1977-1979.
Jefferson County Historical Society, Watertown, N.Y., N.E.H. Planning Grant, 1975.

5. RESEARCH IN PROGRESS

BOOK:

"A Model Establishment..." Springfield Armory and Military Small-Arms
Making, 1794-1916, with R.B. Gordon, Carolyn Cooper, and Michael Raber,
Under Contract with Oxford University Press. Expected completion in 2010 and
publication in 2011.

6ii. SERVICE TO THE PROFESSION

OFFICES HELD:

General Tools Prize Committee, Society for Industrial Archeology, 2002-2005 (Chair, Co-
director of dissertation (Caroline Frank) that won the national Gabriel Prize 2004-
2005)

Nominating Committee (elected), Society for Industrial Archeology, 1996-1999 (Chair 1998-1999).
Member of the Advisory Committee, Society for the History of Technology, 1983-1989.
President, Society for Industrial Archeology, 1982-1983.
President, Southern New England Chapter, Society for Industrial Archeology, 1980.

CONFERENCE ORGANIZATION:

Tour Organizer, Rhode Island Historic Preservation Conference, 2007.
Conference Planning Committee and Tour Organizer, Society for Industrial Archaeology, Annual Conference in Providence, 2004
Tour Organizer, Society of Architectural Historians, 2004
Tour Organizer, Environmental History Conference, 2003
Program Committee, "Whither IA?" Symposium of the Society for Industrial Archeology, Fall, 1998
Tour Organizer, Society for Industrial Archeology, Coastal Connecticut and Rhode Island, Fall 1986.
Tour Organizer, International Conference on the Conservation of the Industrial Heritage (TICCIH), New England, 1984.
Conference Coordinator, Society for Industrial Archeology, Rhode Island Mills and Mill Villages, Fall 1978.
Conference Coordinator, Society for Industrial Archeology, Fifth Annual Conference, Lowell, MA 1976.

7iii.SERVICE TO THE COMMUNITY

CONGRESSIONAL TESTIMONY:

On the Blackstone River Valley National Heritage Corridor:
In support of S1374 before Senate Subcommittee on Public Lands..., 1986.
On the Lowell National Historical Park:
In support of HR 6230 before House and Senate Subcommittees on National Parks and Recreation, 1978.
In support of HR 14689 before the House Subcommittee on National Parks and Recreation, 1974.
In support of HR 4514 at the Field Investigation of the House Subcommittee on National Parks and Recreation, 1974.

MEMBERSHIP ON STATE AND CITY COMMITTEES:

Rhode Island Historical Preservation and Heritage Commission, 1997-Present
Includes National Register Review.
Technical Committee of Rhode Island State Planning Council, 1994-Present.

Providence (City Planning Department) Committee on Preservation of Industrial Buildings, 2000-2001

NONPROFIT VOLUNTARY POSITIONS:

Advisory Curator of Industrial Archaeology, New Bedford Whaling Museum, 2002-Present

Trustee, Fort Adams Trust, 1998-2000. Advisory Board, 2000-Present

Editorial and Research Committee, Museum of American Textile History, 1993-2000

Trustee, New England Museum of Steam and Wireless, 1992-1999.

Founding Board of Directors, Ingenuity and Enterprise Center, 1993-1995.

Museum Committee, Rhode Island Historical Society, 1992-1995.

Board of Directors, John Nicholas Brown Center for the Study of American Civilization, 1989-1994

8A. HONORS

Co-director of dissertation (Caroline Frank) that won the national Gabriel Prize, 2008
Vogel Prize from the Society for Industrial Archaeology for the outstanding article published in the Society's refereed journal IA, 2008.

Election as Member of the New York Academy of Sciences, 2003

Founders' Day Award, Charles River Museum of Industry, 1999

State Historic Preservation Award to Valley Falls Heritage Park (Consultant on History, Archaeological Excavation, Park Design, and Interpretive Signage), 1998.

Election as Corresponding Member of the Massachusetts Historical Society, 1998.

Second Prize, Integration Poster Competition, ESRI International User Conference (on Geographic Information Systems), 1996.

General Tools Award from the Society for Industrial Archeology for "Distinguished Service to Industrial Archeology," 1996.

State Historic Preservation Award to Old Slater Mill Association from the Rhode Island Historical Preservation and Heritage Commission (For Accomplishments Over the Last 75 Years, Including a Number of Projects Completed During My 15 Year Tenure as Executive Director), 1996.

Nomination by American Civilization Department for a Brown University Award for Excellence in Undergraduate Teaching, 1995.

American Institute of Architects International Book Award for The Texture of Industry, with Robert Gordon, 1994.

Selection of Texture of Industry as one of the "Outstanding Academic Books for 1995" by Choice: Current Reviews for Academic Libraries, 1994.

Waterfront Center Award for a "Quality Waterfront Project" (The Augusta Canal Master Plan), 1994.

Dibner Prize from the Society for the History of Technology for the Boott Mill Exhibit at the Lowell National Historical Park (History/Design Consultant for the

Weave Room, Bale to Bolt, Multi-Image Slide Show, and the Mill Model), 1993.
 Award for "Distinguished Technical Publication" from the Southeast Ohio Chapter of the Society for Technical Communication for Muskingum River Lock and Dam Study, (Consultant for Woolpert Associates on Historical Significance of Navigation System), 1993.
 Dibner Prize from the Society for the History of Technology for Educational Facilities and Programs at the Tsongas Industrial History Center in Lowell (Consultant for the Waterpower Room and for Mapping Activities), 1992.
 William Blackstone Award, Blackstone River Valley Tourism Council, 1990.
 Norton Prize from the Society for Industrial Archeology for a refereed *IA* article on Springfield Armory, 1989.
 Award of Merit from the American Association for State and Local History for "Views of Childhood: Three Centuries of Change," an Exhibit and Lecture Program Co-sponsored by Slater Mill Historic Site, 1988.
 "Idea" Award from the Industrial Designers Society of America for Lowell Heritage State Park Exhibit on Waterpower and Canals (Historical Interpretation and Illustration Consultant for Krent-Paffett Associates, Exhibit Designers), 1986.
 Gold Medal at the Image 85 Festival (Co-author and Photographer for "Pawtucket: The Cradle of Industry," a Multi-Image Slide Show), 1985.
 Award of Merit from the American Association for State and Local History for "The Loom and the Lash," an Exhibit, Tour, and Lecture Program Co-Sponsored by Slater Mill Historic Site, 1983.
 Gold Medal at Multi Image Conference (Historical Consultant and Photographer for Larson & Rosen, "Lowell: An Industrial Revelation"), 1982.
 Three National Awards as Member of "The Lowell Team":
 American Institute of Planners' Meritorious Program Award, 1977.
Progressive Architecture Citation for Urban Design and Planning, 1977.
 "Blue Pencil" Award for Best Government Technical Publication of 1976.
 Phi Beta Kappa, Brown University, 1971.
 Graduated with Distinction, United States Naval Academy, 1964.

8B FELLOWSHIPS AND INDIVIDUAL RESEARCH GRANTS

Humanities Research Grants, Brown University, 2001, 2004, 2006, 2008, 2009.
 Dibner Institute Senior Fellowship at MIT, 2002-2003
 Sabbatical Leave, Brown University, 2002-2003
 Dibner Institute Senior Fellowship at MIT, 1996-1997.
 Sabbatical Leave, Brown University, 1996-1997.
 Course Development Grant, Brown University, Summer, 1995.
 Equipment Grant for New Position in Urban Studies, Brown University, 1993.
 Sabbatical Leave, Brown University, Semester I, 1990.
 Sullivan Fellowship from Museum of American Textile History, 1990.

Faculty Summer Grant, Brown University, 1973.
Faculty Summer Grant, University of Pennsylvania, 1971.
National Defense Education Act Fellowship, 1967-1970.
Regular NROTC Full College Scholarship, 1960. (Refused - Accepted U. S.
Naval Academy Appointment Instead)
Congressional Appointment, U. S. Naval Academy at Annapolis, 1960

8C GRANTS FOR GROUP AND INSTITUTIONAL PROJECTS

Bruner Foundation, Grants for Course Development and UTRA fellows, 1997-2000
Champlin Foundation, \$22,000 for Historical Preservation Projects at the
New England Museum of Wireless and Steam, 1994.
GIS Software Grant, Environmental Systems Research Inc., 1993, 1995 Update.
CAD Software Grant, Committee for Academic Computing, 1990.
Undergraduate Teaching and Research Assistantship (UTRA) Grants from Brown
University, 1988, 1989, 1995, 1996, 1998-2000, 2004, 2006, 2007.
Preservation Grants from the Rhode Island Historical Preservation
Commission for Slater Mill Historic Site (\$10,000 each), 1987 and 1988.
Raised Over \$500,000 for the Water Power Project at Slater Mill Historic Site, 1976-83.
Institute for Museum Services Grants for General Operating Support at the Slater Mill
Historic Site, 1978, 1980, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989,
and 1990. (9 in a row was exceptional)
Champlin Foundation, \$42,000 to Research, Write, and Produce a Multi-Image
Slide Show for Slater Mill Historic Site, 1982-83. Also numerous
Champlin Grants for Preservation Projects and Facility Improvements.
United States Department of the Interior, Preservation Grants-in-Aid for
Slater Mill Historic Site, 1979 and 1983.
Apple Computer, Grant for Computers for the American Civilization Program
at Brown University, 1983.
National Endowment for the Humanities Challenge Grant for Slater Mill Historic Site,
1978-1981.
National Endowment for the Humanities Planning Grant and Report, Chosen as
Models by N.E.H. and Distributed to New Applicants, 1977.
Numerous Foundation, Individual, and Corporate Grants for Slater Mill
Historic Site for a Wide Range of Projects.