

Thomas A. Edison Papers
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CURRENT POSITION

Director and General Editor, Thomas A. Edison Papers, Rutgers University

EDUCATION

Ph.D. Rutgers University, History, 1989. (Dissertation: "From the Machine Shop to the Industrial Laboratory: Telegraphy and the Changing Context of American Invention, 1830–1920.")

M.A. University of California, Santa Barbara, 1980, Public Historical Studies Program. (Thesis: "Spanning the Golden State: A History of the Highway Bridge in California.")

B.A. California Polytechnic State University, San Luis Obispo, 1976, History. (Thesis: "Halcyon California: The Story of a West Coast Utopia.")

PROFESSIONAL EXPERIENCE

Director and General Editor, Thomas A. Edison Papers, Rutgers University, 2002–present

Co-Editor, Thomas A. Edison Papers, Rutgers University, 2001–2002

Managing Editor, book edition, Thomas A. Edison Papers, Rutgers University, 1995–2001

Associate Editor. Thomas A. Edison Papers, Rutgers University. 1992–1995

Assistant Editor. Thomas A. Edison Papers, Rutgers University. 1984–1992

Editorial Associate. Thomas A. Edison Papers, Rutgers University. 1980–1984

Research Historian. Edison National Historic Site Contract Study. 1980

Research Historian. Historic American Engineering Record, Inventory of Historic Engineering Sites in California. 1978–1979

GRANTS AND FELLOWSHIPS

Principal Investigator, Thomas A. Edison Papers, New Jersey Historical Commission Grants, 2021–2022, 2020–2021, 2019–20, 2015–19, 2011–2014, 2009–2011, 2007–2009, 2007–2008, 2002–2007

Principal Investigator, Thomas A. Edison Papers, National Endowment for the Humanities Grants, 2020–2023, 2017–20, 2015–17, 2011–14, 2009–2011, 2007–2009, 2005–2007, 2003

Principal Investigator, Thomas A. Edison Papers, National Historical Publications and Records Commission Grants, 2021–2022, 2020–2021, 2019–20, 2018–19, 2017–18, 2016–17, 2015–16, 2011–2014, 2008–2011, 2005–2008, 2002–2005

Principal Investigator, Thomas A. Edison Papers, Historical Editing Fellowship, National Historical Publications and Records Commission Grant, 2008–2009

Thomas A. Edison Papers internal fellowship, Alfred P. Sloan Foundation Grant, 1996

National Endowment for the Humanities Interpretive Research Grant, Program in Humanities, Science and Technology, 1991–93

John E. Rovensky Fellowship in Business and Economic History, 1986–87

IEEE Fellowship in Electrical History, 1985–86

AWARDS AND HONORS

Eugene S. Ferguson Prize (*Papers of Thomas A. Edison*), Society for the History of Technology, 2005

- Edelstein (Dexter) Prize (*Edison: A Life of Invention*), Society for the History of Technology, 2000
- New Jersey Historical Commission Award of Recognition, 1991
- Outstanding Alumnus, School of Liberal Arts, California Polytechnic State University, San Luis Obispo, 1990
- Outstanding book in business and economics (*The Papers of Thomas A. Edison, Vol. 1*), Association of American Publishers, 1989

PUBLICATIONS

Books and Editions

- The Papers of Thomas A. Edison, Volume 9, Competing Interests (1888–1889)*. With Louis Carlat, et al. (Johns Hopkins University Press, 2021).
- The Papers of Thomas A. Edison, Volume 8, New Beginnings (1885–1887)*. With Louis Carlat, et al. (Johns Hopkins University Press, 2015).
- The Papers of Thomas A. Edison, Volume 7, Losses and Loyalties (April 1883–December 1884)*. With Louis Carlat, et al. (Johns Hopkins University Press, 2011).
- Edison's Electric Light; The Art of Invention*. (Johns Hopkins University Press, 2010). With Robert Friedel.
- Thomas A. Edison Papers: A Selective Microfilm Edition, Part V (1911–1919)*. (University Publications of America, 2008). With Thomas E. Jeffrey et al.
- The Papers of Thomas A. Edison, Volume 6, Electrifying New York and Abroad (April 1881–March 1883)*. (Johns Hopkins University Press, 2007). With Louis Carlat, et al.
- The Papers of Thomas A. Edison, Volume 5, From Research to Development at Menlo Park (January 1879–March 1881)*. (Johns Hopkins University Press, 2004). With Louis Carlat, et al.
- Thomas A. Edison Papers: A Selective Microfilm Edition, Part IV (1899–1910)* (University Publications of America, 1999). With Thomas E. Jeffrey et al.
- Edison: A Life of Invention* (John Wiley & Sons, 1998).
- The Papers of Thomas A. Edison, Volume 4, The Wizard of Menlo Park (1878)* (Johns Hopkins University Press, 1998). With Louis Carlat and Keith Nier.
- The Papers of Thomas A. Edison, Volume 3, Menlo Park: The Early Years (1876–1877)* (Johns Hopkins University Press, 1994). With Robert Rosenberg et al.
- Thomas A. Edison Papers: A Selective Microfilm Edition, Part III (1887–1898)* (University Publications of America, 1994). With Thomas E. Jeffrey et al.
- From Machine Shop to Industrial Laboratory: Telegraphy and the Changing Context of American Invention, 1830–1920* (Johns Hopkins University Press, 1992).
- The Papers of Thomas A. Edison, Volume 2, From Workshop to Laboratory (1873–1876)* (Johns Hopkins University Press, 1991). With Robert Rosenberg et al.
- The Papers of Thomas A. Edison: Volume 1, The Making of an Inventor (1847–1873)* (Johns Hopkins University Press, 1989). With Reese V. Jenkins et al.
- Thomas A. Edison Papers: A Selective Microfilm Edition, Part II (1879–1886)* (University Publications of America, 1987). With Thomas E. Jeffrey et al.
- Edison's Electric Light: Biography of an Invention* (Rutgers University Press, 1986). With Robert Friedel.
- Thomas A. Edison Papers: A Selective Microfilm Edition, Part I (1850–1878)*. (University Publications of America, 1985). With Thomas E. Jeffrey et al.

Articles and Chapters

- "Claim the Earth: Protecting Edison's Inventions at Home and Abroad" in Graham Dutfield and Stathis Arapostathis (eds), *Knowledge Management and Intellectual Property: Concepts, Actors and Practices from the Past to the Present* (Edward Elgar, 2013).

- "The Garden State Becomes an Industrial Power: New Jersey in the Nineteenth" in Maxine N. Lurie and Richard Veit (eds.), *New Jersey: A History of the Garden State* (Rutgers University Press, 2012)
- "Edison's Laboratory," *History Now Online*, December 2006
- "Underrated Entrepreneur: Thomas Edison's Overlooked Business Story," *IEEE Power & Energy Magazine*, 3 (January/February 2005): 76–79. With Blaine McCormick.
- "Inventing Thomas Edison." Exhibit Catalog, artist Kirsten Pieorth. 2004.
- "Thomas Alva Edison: Battery and Device Innovation in Response to Application Needs." *Journal of Power Sources* 136 (2004): 356–65. With Alvin Salkind.
- Inventing Industrial Research: Thomas Edison and the Menlo Park Laboratory." *Endeavor* 26 (2002): 48–54.
- "Mina Edison: An Inventor's Wife." *Timeline*. 19 (2001): 2–19.
- "The Unknown History of the Tinfoil Phonograph." *NARAS Journal* (Winter/Spring 1998): 29–42.
- "Du Télégraphe À L'Ampoule; La Puissance de L'Analogie." *Les Cahiers de Science & Vie* (April 1996): 50–56.
- "Patent Office Records as a Historical Resource: The Case of Thomas Edison." *Technology and Culture*. 32 (October 1991): 1094–1101. With Robert Rosenberg.
- "The Transfer of Nineteenth-Century Telegraph Technologies" in David Jeremy, ed., *International Technology Transfer: Europe, Japan and the USA, 1700–1914* (Gower Publishing Company, 1991). With Keith Nier.
- "Telegraphy and Edison's Invention Factory" in William S. Pretzer, ed., *Working at Inventing: Thomas A. Edison and the Menlo Park Experience* (Henry Ford Museum and Greenfield Village, 1989; Johns Hopkins University Press, 2002).
- "American Business and Technology in Edison's Time." *IEEE Power Engineering Review*. 17 (1997): 6–10.
- "Thomas A. Edison: Flamboyant Inventor." *IEEE Spectrum*. 21 (December 1984): 74–79. With Reese V. Jenkins.
- "From Rubble to Revival: The Rebuilding of a City" in *Environmental Hazards and Community Response: The Santa Barbara Experience*. Public Historical Studies Monograph No. 2 (University of California, Santa Barbara, 1979).
- "Recording Bridges: HAER in California." *The Public Historian* 1 (1979): 60–62.

Articles in Encyclopedias and Guides

- "Thomas Alva Edison." *Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford University Press, 2014.
- "Thomas Edison." Leikon der bedeutenden Naturwissenschaftler. Spektrum Akademischer Verlag, 2003.
- "Thomas Edison." "Telegraph," "Jonas Aylsworth." *Encyclopedia of New Jersey*. Rutgers University Press, 2004.
- "Thomas Edison." *Oxford Encyclopedia of Economic History*. Oxford University Press, 2003.
- "Telegraph," *Encyclopedia of the United States in the Nineteenth Century*. Charles Scribner's Sons, 2001.
- "Samuel F. B. Morse" "Telegraph," "Atlantic Cable" *Oxford Companion to United States History*. Oxford University Press, 2001.
- "Telegraph Industry," "Thomas A. Edison," "Menlo Park Laboratory," "Electric Light Bulb" for *The History of Science in the United States: An Encyclopedia*. New York: Garland, 2000.
- "Thomas A. Edison." *The Reader's Guide to the History of Science*. Fitzroy Dearborn, 2000. With Robert Rosenberg.

- "Royal E. House," "John Lieb," "William Orton," "Anson Stager." *American National Biography*. Oxford University Press, 1999.
- "Invention," "Thomas A. Edison." *American Heritage Encyclopedia of American History*. New York : H. Holt, 1998.
- "Thomas Edison." *Colliers 1998 International Year Book*, pp. 85–96. With Robert Rosenberg.
- "Thomas A. Edison," "Electric Light," "Phonograph," "Motion Picture Camera." *Biographical Encyclopedia of Science*. Salem Press. 1998. With Robert Rosenberg.
- "Thomas Edison," "Cyrus Field," "Gold and Stock Telegraph Company," "Samuel F. B. Morse," "Telegraphy," and "Western Union Telegraph Company," *Encyclopedia of the City of New York*. (New Haven: Yale University Press, 1995): 364, 401, 472, 774, 1158, 1254–55.
- "Telegraphy," *American Historical Association's Guide to Historical Literature*. 3rd. ed. Edited by Pamela Gerardi. (New York : Oxford University Press, 1995).
- "Electrical Industry." *Collier's Encyclopedia* (New York: MacMillan Educational Company, 1992), 699–701.

CONFERENCE ORGANIZER/PROGRAM COMMITTEE/ LOCAL ARRANGEMENTS COMMITTEE

- Society for the History of Technology, Local Arrangements Committee, Philadelphia, 2018.
- "Users and Uses of Documentary Editions," Association for Documentary Editing, Buffalo, 2017.
- Association for Documentary Editing, Program Committee, Chair, 2017
- New Jersey: State of Invention," Conference Organizer, Rutgers University, 2014.
- Association for Documentary Editing, Program Committee, Ann Arbor, 2013.
- New Jersey Forum, Program Committee, Trenton, 2008.
- "Industrializing Organisms: Plants, Animals, and Technology." RCHA Conference, Rutgers University, 2002. With Philip Scranton and Susan Schrepfer.
- "Forces Totally New': Technology, Novelty, and Culture, 1880–1920." Dibner Institute Workshop, 2000. With Robert Friedel.

PROFESSIONAL PAPERS

- "Looking Backward and Thinking About the Future, Presidential Address, Association for Documentary Editing, Olympia, 2018.
- "Digital Texts and the Future of Digital History: Challenges, Opportunities, and Experimentation in Digital Documentary Editing," Roundtable, American Historical Association, Washington, DC, 2018.
- "Challenges Facing the Edison Papers Digital Edition," Association for Documentary Editing, Buffalo, 2017.
- "Maximizing the Reach and Continuing Influence of Digital History Projects," Roundtable, Association for Documentary Editing, Buffalo, 2017.
- "Representing Edison: Amanuensis and Authorial Intent in the Edison Papers," Modern Language Association, Philadelphia, 2017. With Louis Carlat.
- "Learning to Innovate: Thomas Edison and Creation of the Electrical Industry," Keynote Address, Canadian Society for the History and Philosophy of Science, Brock University, 2014.
- "A New Radiant Force': Thomas Edison's Inquiry into the Implications of Electromagnetic Field Theory," History of Science Society Annual Meeting, Boston, 2013. With Louis Carlat.
- "Interpreting Menlo Park," Mid-Atlantic Association of Museums 6th Annual Building Museums Symposium, New York City, 2010.

- "The Role of Place in Thomas Edison's Inventive Career," Hot Spots of Invention: People, Places, and Spaces, Lemelson Center for the Study of Invention and Innovation Annual Symposium, National Museum of American History, Smithsonian Institution, 2009.
- "Thomas Edison's Places of Invention," Society for the History of Technology, Pittsburgh, 2009.
- "Edison and the Invention of New Media," Center for Media Studies, Rutgers University, 2009.
- "Learning from Thomas Edison's Patents," Society for the History of Technology, Lisbon, 2008.
- "Taking the Edison Papers Digital," American Association for State and Local History, Atlanta, 2007.
- "An Inventor's Records: Learning about Invention from the Edison Papers," Society of American Archivists, Chicago, 2007.
- "Not Just the Electric Light: Edison and the Creation of the Electrical Industry," IEEE History Center Conference on the History of Power Engineering, Keynote address, Newark, 2007
- "The Flash of Genius: Defining Invention in the Era of Corporate Research," UCLA Law School, 2007.
- "What Do You Do With 5 Million Pages?: Editing the Edison Papers," Plenary Session, MARAC, Morristown, NJ, 2006.
- "From Nation States to the WIPO: Intellectual Property and Globalization," Globalization & Industrial America, 1830–2005: New Brunswick, NJ & the Raritan River Valley, A Microcosm?, Rutgers University, 2006.
- "The Flash of Genius: Defining Invention in the Era of Corporate Research", Con/texts of Invention: A Working Conference, Society for Critical Exchange, Case Western Reserve University School of Law, 2006.
- "Why Didn't Edison Invent Radio?" IEEE History Center Conference, "Themes and Transitions in the History of Electronics," Bletchley Park, United Kingdom, 2004. With Louis Carlat.
- "Inventing Patents, Defining Technology: The Patent System and the Creation of Intellectual Property." Keynote address, Technology Studies: New Frontiers, Stevens Institute of Technology, 2002.
- "An Inventor and a Publisher: The First Attempts at Modern Brain Imaging," with Mark S. Gerber and Mark C. Preul, Annual Meeting of the American Association of Neurological Surgeons, Chicago, 2002.
- "The Edison Papers and the Teaching of the History of Technology." Society for the History of Technology Annual Meeting, Munich, Germany, 2000.
- "Inventing the Future: Introductory Remarks." Dibner Dibner Institute Workshop, 2000.
- "The Edison Papers and the Teaching of the History of Technology," Society for the History of Technology Annual Meeting, Munich, 2000.
- "Science and Invention: Thomas Edison's Image in American Culture," American Identity Series, National Museum of American History, Smithsonian Institution, 1999.
- "Basic Research and Invention in Edison's Laboratories," Laboratory History & Sociology Conference, SUNY Stonybrook, 1999.
- "From Electricians to Electrical Engineers: Science and Technology in Nineteenth-Century American Telecommunications. XIXth International Congress in the History of Science, Zaragoza, Spain. 1993.
- "'Prior Knowledge' and 'Theory'" At Edison's Menlo Park Lab: The Case of Electric Lighting." History of Science Society. 1992.
- "From Shop Invention to Industrial Research: American Telegraphy, 1830–1920." Science, Technology & Society Program and Department of History, Lehigh University. 1990.

- "Extending the Meaning of Literacy: Technological, Occupational and Cultural Contexts"
Roundtable, Social Science History Association. 1989.
- "Edison's Electric Pen and Universal Stock Printer: Artifacts and Interpretations." Society for the History of Technology. 1989. With Robert Rosenberg.
- "From Public Purpose to Private Profit: The Telegraph Industry and the Changing Context of Invention in Nineteenth-Century America. Organization of American Historians. 1987.
- "Intraurban Telegraphy: The Nerve of Some Cities." American Historical Association. 1986. With Robert Rosenberg.
- "Invention and Corporate Strategies: Western Union and Competition." Society for the History of Technology. 1986.
- "A Celebration of Bridges: The Image of the Highway Bridge in California." Popular Culture Association. 1984.
- "Edison and the Telegraph Industry: Changing Patterns of Support for Invention." Department of History, University of Delaware. 1983.
- "Innovation in the Telegraph Industry: The Case of Thomas Edison." New Jersey Academy of Sciences. 1983.
- "Edison and the Electric Light: A Foray into the Primary Sources." Society for the History of Technology. 1980.

PAPER COMMENTS/SESSION CHAIR

- Commenter, Innovation Out of the Blue: Managing Serendipity in Energy Conversion Systems, Society for the History of Technology, St. Louis, 2018.
- Commenter, Patents, Invention, and Narrative in Industrial America, Society for the History of Technology, Copenhagen, 2012.
- Commenter, The Life of New Materials, Hagley Museum Library, Wilmington, 2011.
- Commenter, Exploring Network Mobilities, Society for the History of Technology, Cleveland, 2011.
- Commenter, Patent Regimes, Society for the History of Technology, Tacoma, 2010.
- Commenter, Enabling Innovation, Society for the History of Technology, Pittsburgh, 2009.
- Commenter, Eric Hintz, "The Disappearing Inventor: Or, How Independent Inventors Were Rendered Invisible," Lees History Seminar at Rutgers University, Camden 2009.
- Chair, Infectious Enthusiasm: Carroll Pursell and the History of Technology, Society for the History of Technology, Washington, DC, 2007.
- Commenter, Donald Jackson, "The Politics of Safety: William Mulholland of Los Angeles and the St. Francis Dam Disaster," Lees History Seminars at Rutgers University, Camden, 2007.
- Commenter, "Changing Mature Systems: The Theory, The Evidence." Society for the History of Technology, Amsterdam, 2004.
- Commenter, Horses in War and Peace. "Industrializing Organisms: Plants, Animals, and Technology." RCHA Conference, Rutgers University, 2002.
- Commenter, Communication Technology and Nineteenth-Century Business Enterprise. Society for the History of Technology Annual Meeting. Lowell, Mass., 1994.
- Commenter, "Cognitive Approaches to Visualization in Science and Technology." Princeton Workshop on History of Science. 1993.

PUBLIC PRESENTATIONS

- "An Industry Always in Transition: Reflections on the History of the Electrical Utility Industry, Association of Edison Illuminating Companies, Palm Beach, FL, 2021.
- "Innovate like Edison," "History's Hand: Inventor's Mind" program, USPTO, Zoom, 2020.
- "Thomas A. Edison: The Man Who Changed History," Somerset County Quail Brook Senior Center, Zoom, 2020.

“Edison, Inventions, & Patent Law,” Constitutional Chats program of Constituting America, Zoom, 2020.

“How Thomas Edison Transformed Technological Innovation,” Smithsonian Associates, Washington DC., 2019.

“Edison and the Origins of Electric Lighting,” Museum of Early Trades and Crafts, Morristown, NJ, 2018.

“New Jersey: A State of Innovation,” Keynote Address, Archives and History Day, Monmouth County Library, 2017

“Edison the Innovator,” Stryker Orthopaedics, Thomas Edison National Historical Park, 2017.

“Edison’s New Jersey,” Tea and Treasures,” Morris Museum, 2017.

“Edison and Innovation,” Innovation, A Lecture Series, Rutgers University, 2015.

“Inventor of the Age,” Thomas Edison National Historical Park, 2015.

“Thomas Edison and the Transformation of Technological Innovation,” Great Horizons Program, Morristown, NJ., 2015

“New Jersey: The Innovation State,” Highland Park (NJ) Public Library, 2014.

“From Machine Shops to Industrial Laboratories: New Jersey and the Reinvention of Invention,” New Jersey: State of Invention Conference, Rutgers University, 2014.

“Chemical Solutions: The Role of Chemistry in Thomas Edison’s Inventive Work,” Thomas Edison National Historical Park, 2014.

“We had a hell of a time’: Thomas Edison’s Venture in Ore Milling, Thomas Edison National Historical Park, 2014.

“From Menlo Park to West Orange,” Year of Innovation Series, Thomas Edison National Historical Park, 2014.

“Thomas Edison and the Transformation of Technological Innovation,” One-Day University, New York, 2013.

“Electrifying Newburgh,” Newburgh, N.Y., 2013.

“Volume 8: Some Highlights from the Papers of Thomas A. Edison,” Rutgers Alumni Day, Thomas Edison National Historical Park, 2013.

“Learning about Invention from the Papers of Thomas A. Edison,” Exxon Mobil Research Club, 2013

“Edison’s West Orange Laboratory,” Rutgers Alumni Day,, Thomas Edison National Historical Park, 2012

“Edison’s New Jersey,” Keynote Address, New Jersey: The State of Invention, Monmouth County Library, 2011

“Innovate Like Edison,” Rutgers Alumni Day, Thomas Edison National Historical Park, 2011

“Edison as Innovator,” Edison Awards, Thomas Edison National Historical Park, 2011

“Innumerable Machines in My Mind,” Rutgers Retired Faculty Association, 2010.

“Invent Like Edison,” Rutgers Alumni Day, Thomas Edison National Historical Park, 2010.

Inventing Entertainment: Sound and Film in the Age of Edison,” Victorian Society, New York City, 2010.

“Memorializing Menlo Park,” Thomas Edison Center at Menlo Park, 2010.

“Edison’s New Jersey,” Bloomfield Presbyterian Church, Bloomfield, NJ, 2010.

“Thomas Edison, Inventor of the Age,” Raritan Valley Community College, 2009.

“Edison at Menlo Park,” Enlightening Session, Thomas Edison Center at Menlo Park, 2009.

“Edison, Science, and Innovation,” Montclair (NJ) Society of Engineers, 2009.

“Lessons from Edison on the Challenge of Innovation,” Management Executive Networking Group Webinar, 2009.

“Edison in West Orange,” Keynote Address, IEEE Milestone Dedication, West Orange, NJ, 2008

“Edison in Newark,” New Jersey Historical Society, 2008.

- "Thomas Edison's New Jersey," New Jersey Legislative Staff, 2008.
- "Thomas Edison, Science, and Industrial Research, Princeton Adult School, 2007.
- "Inventing Entertainment." Rutgers University Alumni Association, 2006.
- "Edison in Menlo Park," Keynote Address, IEEE Milestone Dedication, Menlo Park, NJ, 2006.
- "Thomas Edison." Heroes and Villains of the Gilded Age. Flagler Museum Whitehall Lecture Series 2006.
- "From Speedwell Village to Menlo Park." Morris County Heritage Commission 35th Anniversary Symposium: From Telegraph to Telstar: The History of Communications Technology in Morris County, 2005.
- "Learning from the Edison Papers." Rutgers Alumni Association, 2005.
- "Inventing the Electrical Utility Industry." Association of Edison Illuminating Companies, Annual meeting, 2005.
- "When Sparta was Edison." Sparta Mountain Day. Sparta, New Jersey, 2005–6.
- "Inventor of the Age." Learning for Life Program. Plainfield, New Jersey, 2004.
- "Lessons from Thomas Edison." Science and Math Awareness Program, Piscataway, N.J. High School, 2004.
- "The Electrical Industry: Thomas Edison as Innovator." PSE&G Lunch and Learn Program, 2003.
- "Thomas Edison and the Edison Papers." Science and Math Awareness Program, Piscataway, N.J. High School, 2002.
- "Thomas Edison and Innovation." Keynote Address, Technology Transfer Conference, University of Michigan, 2001.
- "Inventing Thomas Edison: The Wizard of Menlo Park in American Culture." Filson Club, Louisville, KY, 2001.
- "Edison's Public Image." Douglass College Alumni Association, Rutgers University, 2001.
- "Thomas Edison: The Inventor as Engineer." Keynote address, Engineering History and Landmarks Workshop, New York, 2000.
- "From the Edison Lamp." Old House Primer Program, Lighting in Historic Preservation. Drew University. 1999
- "Edison as a Businessman." Depauw University. 1999.
- "Public History and the Edison Papers." DePauw University. 1999.
- "Edison, Telegraphy, and the Origins of Industrial Research." DePauw University. 1998.
- "Edison, Telegraphy, and the Origins of Industrial Research." Colby College. 1998.
- "Thomas Edison and American Invention." Whitehall Lecture. Henry Flagler Museum. 1998.
- "American Business and Technology in Edison's Time." Edison Sesquicentennial: The Celebration of the Advent of Electrotechnology Entrepreneurship. Plenary Session, IEEE Power Engineering Society. 1997.
- "Thomas Edison's Invention Factory and the Electric Light." Five Historical Societies of Westfield, NJ. 1995.
- "The Invention Factory and the Electric Light." Metuchen Historical Society. 1992.
- "New Ideas and New Machines: Risky Business in History." Keynote address, Risk Taker's Convention, Shore Consortium for the Gifted and Talented. 1989.
- "Thomas Edison: The Making of a Professional Inventor." Keynote address, Invention Convention, Shore Consortium for the Gifted and Talented. 1989.
- "The Professional Inventor at Work: Thomas Edison and the Electric Light." Piscataway Historical Society. 1988.
- "The Origins of the American Telecommunications Network: The Social Process of Telegraph and Telephone Invention, 1832–1890." Middlesex County Cultural and Heritage Commission Symposium, The Wizard of Menlo Park: Thomas Alva Edison Invents a New Century. 1987.

- "Edison's Electric Light and the Study of Technical Creativity." National Society of Inventors. 1987.
- "The Edison Papers and the Study of Technical Creativity." The Rutgers Emeritus Professors. 1986.
- "The Professional Inventor at Work: Thomas Edison and the Electric Light." Schenectady Edison Centennial Celebration. 1986.
- "The Professional Inventor at Work: Thomas Edison and the Electric Light." Metuchen Chapter, American Association of Retired People. 1986.
- "Halcyon, California: A San Luis Obispo Utopia." San Luis Obispo County Historical Society. 1979.

BOOK REVIEWS

- Benjamin Sidney Michael Schwantes, *The Train and the Telegraph: A Revisionist History*. *Journal of American History* (in press).
- W. Bernard Carlson, *Tesla: Inventor of the Electrical Age*. (Essay Review: "Ideal, Illusion, and Invention.") *Isis* 106:2 (2015): 406-409
- Stathis Arapostathis and Graeme Gooday, *Patently Contestable: Electrical Technologies and Inventor Identities on Trial in Britain*. ("Contesting the History of Invention.") *Metascience*, 23:3 (2014): 645-648.
- Donald W. Linebaugh, *The Springfield Gas Machine: Illuminating Industry and Leisure, 1860s–1920s*. *Journal of American History* 99 (2013): 1269-1270.
- Chris Otter, *The Victorian Eye: A Political History of Light and Vision in Britain, 1800–1910*. *Visual Culture in Britain* 12 (2011): 122-124.
- Ross Thomson, *Structures of Change in the Mechanical Age: Technological Innovation in the United States, 1790–1865*. *Economic History Review* 64 (2011): 334–35.
- Graeme Gooday, *Domesticating Electricity: Technology, Uncertainty and Gender, 1880–1914*. *Isis* 100 (2009): 923–24.
- Michael B. Schiffer, *Power Struggles: Scientific Authority and the Creation of Practical Electricity before Edison*. *Business History Review* 83 (Winter 2009): 837–39.
- Richard Koszarski, *Fort Lee: The Film Town*. *New Jersey History* 124 (2009): 120–22.
- Patrice Flichy, *Understanding Technological Innovation: a Socio-Technical Approach*. *Business History* 51 (January 2009): 125–140.
- B. Zorina Khan, *The Democratization of Invention*. *Minerva* 46 (2008): 1512–54.
- Vaclav Smil, *Creating the Twentieth Century: Technical Innovations of 1867–1914 and Their Lasting Impact*. *American Historical Review* 112 (2007): 167–68.
- Kenneth Silverman. *Lightning Man: The Accursed Life of Samuel F. B. Morse*. *Technology and Culture* 46 (2005): 417–18.
- Kenneth Beauchamp. *A History of Telegraphy*. *Isis* 95 (2004): 153–54.
- Richard Moran. *Executioner's Current: Thomas Edison, George Westinghouse, and the Invention of the Electric Chair*. *Business History Review* 78 (2004): 116–19.
- Laura Otis. *Networking: Communicating with Bodies and Machines in the Nineteenth Century*. *Technology and Culture* 44 (2003): 394–396.
- Marc Rothenberg, ed. *The Papers of Joseph Henry*. Vol. 7, January 1847–December 1849 and *The Papers of Joseph Henry*. Vol. 8, January 1850–December 1853. *Technology and Culture* 43 (2002): 791–793.
- Charles Bazerman. *The Languages of Edison's Light*. *Journal of Social History* 35 (2002): 995–997.
- Arnold Pacey. *Meaning in Technology*. *Enterprise and Society* 2 (2001): 161–63
- John Lienhard, *The Engines of Our Ingenuity: An Engineer Looks at Technology and Culture*. *Endeavor* 25(2001): 42.

- Stephen B. Adams and Orville B. Butler. *Manufacturing the Future*. *Annals of Science* 57(2000): 315–17.
- Rescue at Sea. Film review. *Journal of American History* 105 (1999): 1427–1428.
- Lindy Biggs. *The Rational Factory: Architecture, Technology and Work in America's Age of Mass Production*. *American Historical Review* 104 (1998): 1334–35.
- Rick Szostak. *Technological Innovation and the Great Depression*. *American Historical Review*. 103 (1997): 913–14.
- John K. Brown. *The Baldwin Locomotive Works, 1831–1915: A Study in American Industrial Practice*. *The Public Historian* 19 (1997): 115–16.
- William Leslie. *The Cold War and American Science*. *American Historical Review* (1994): 686–87.
- "Enthusiasts and Innovators 'Possible Dreams' and the 'Innovation Station' at the Henry Ford Museum," *Technology and Culture*. 35 (1994): 396–401.
- Marc Rothenberg, et al. *The Papers of Joseph Henry, Vol. 6: January 1844–December 1846: The Princeton Years*. *Technology and Culture*. 35 (1994): 416–18.
- Melvin Kranzberg, et al., *Innovation at the Crossroads between Science and Technology*. *Technology and Culture* 33 (1992): 181–82.
- Andre Millard, *Edison and the Business of Innovation*. *Technology and Culture* 32 (1991): 1115–16.
- A. Heerding, *The History of N.V. Philips' Gloelampenfabrieken. Volume II: A Company of Many Parts*, translated by Derek S. Jordan. *Isis* 81 (1991): 804–05.
- Eric von Hippel, *The Sources of Innovation*. *Technology and Culture* 31 (1990): 333–34.
- David A. Hounshell and John Kenly Smith, *Science and Corporate Strategy: DuPont R&D, 1902–1980*. *American Scientist* 77 (1989): 581–82.
- Edwin Gabler, *The American Telegrapher: A Social History, 1860–1900*. *Isis* 79 (1988): 718–720.
- A. Heerding, *The History of N.V. Philips' Gloelampenfabrieken. Volume I: The Origin of the Dutch Incandescent Lamp Industry*, translated by Derek S. Jordan. *Isis* 78 (1987): 117–118.
- Robert W. Garnet, *The Telephone Enterprise: The Evolution of the Bell System's Horizontal Structure, 1870–1909*; George David Smith, *The Anatomy of a Business Strategy: Bell, Western Electric, and the Origins of the American Telephone Industry*; Neil H. Wasserman, *From Invention to Innovation: Long-Distance Telephone Transmission at the Turn of the Century*. *Technology and Culture* 28 (1987): 89–90.
- Hugh G.J. Aitken, *The Continuous Wave: Technology and American Radio, 1900–1932*. *Business History Review* 61 (1986): 508–509.
- A. Michal McMahon, *The Making of a Profession: A Century of Electrical Engineering in America*. *The Public Historian* 8 (1986): 101–102.
- David E. Nye, *The Invented Self: An Antibiography from Documents of Thomas A. Edison*. *Business History Review* 59 (1984): 139–141.
- David F. Noble, *America by Design: Science, Technology and the Rise of Corporate Capitalism*. *The Public Historian* 2 (1979): 73–75.

BOOK MANUSCRIPT REVIEWS

- Eric S. Hintz, *The Vanishing American Genius? American Independent Inventors in an Era of Corporate R&D*, reviewed for MIT Press, 2019; proposal reviewed 2015
- Joris Mercelis, *Beyond Bakelite: Leo H. Baekeland (1863-1944) and the Business of Science and Invention*, reviewed for MIT Press, 2018; proposal reviewed 2016
- Cohn, *The Grid: Biography of an American Technology*, reviewed for MIT Press, 2016
- David E. Nye, *American Illuminations: Urban Lighting, 1800–1920*, proposal reviewed for MIT Press, 2015

Maxine N. Lurie and Richard F. Veit, *Envisioning New Jersey: An Illustrated History of the Garden State*, reviewed for Rutgers University Press, 2015; reviewed for Rutgers Maury Klein, "How Electricity Became the Most Important Technology in American Life," proposal reviewed for Johns Hopkins University Press, 2014
University Press submission for Leadership in History Award of the American Association for State and Local History, 2018
Michele Wehrwein Albion, *The Florida Life of Thomas Edison*, reviewed for University Press of Florida, 2006
Rayvon Fouché, *Black Inventors in the Age of Segregation: Granville T. Woods, Lewis H. Latimer, and Shelby J. Davidson*, reviewed for Johns Hopkins University Press, 2001
Tom Smoot, *Thomas A. Edison the Fort Myers Years, 1885–1931*, reviewed for University Press of Florida, 2001
Gijs Mom, *The Electric Vehicle: Technology and Expectations in the Automobile Age*, reviewed for Johns Hopkins University Press, 1999–2000

OTHER PROFESSIONAL ACTIVITIES

Publications

Editorial Boards: *New Jersey Studies* (2014–present); *New Jersey History* (2008–2014); *Public Historian* (1978–1979)
Journal Referee: *Annals of Science*, *Book History*, *Business History Review*, *History and Technology*, *Journal of American History*, *Journal of Policy History*; *New Jersey History*, *Proceedings of the IEEE*, *Public Historian*, *Technology and Culture*, *Trauma Online*
Children's book consultant: Capstone Publishing, Harper Collins, Magic Wagon, National Geographic, Red Line Editorial, Inc.

Grant Reviewer

National Endowment for the Humanities, National Historic Publications and Records Commission, National Science Foundation, New Jersey Historical Commission, Social Science and Humanities Research Council of Canada, Smithsonian Institution

Prize Committees

New Jersey Historical Commission, Driscoll Dissertation Prize, 2004, 2008

TEACHERS INSTITUTES AND WORKSHOPS

Building the Nation: Entrepreneurs and American History, Teachers Institute, Freedom Foundation at Valley Forge, 2018.
Rutgers Institute for High School Teachers, 2010, 2013, 2015, 2018.
NEH Teaching American History, Landmarks in American History: America's Industrial Revolution. Henry Ford Museum, 2005–2007, 2009–2011, 2013–2014, 2017, 2019.
GeoSTEM Academy at Sterling Hill, Sterling Mine Museum, 2013, 2016.
Teaching American History: Work in America. Hackensack, New Jersey, 2006
New Jersey History Partnership Project Summer Institute on the Progressive Era in New Jersey. Kean University, 2005.
New Jersey Council for the Humanities: Culture and Technology in American History. Monmouth University, 2005.
Electronic New Jersey Teacher Workshop, section on the History of Science and Technology. 2000–1, 2003–4.

CONSULTANT/INTERVIEWEE, FILMS, TV, RADIO

"How Edison Reinvented Invention," Cheddar and Curiosity Stream, 2020
c. "How Hollywood Got From New Jersey To Los Angeles - Cheddar Explains," 2020
"Edison Concrete House, episode for "Invitation Au Voyage", ARTE (French and German TV), 2020

"Edison Stock Ticker" and "Topsy the Elephant" episodes for "Invitation Au Voyage", ARTE (French and German TV), 2018
 "The Current War," Weinstein Films, historical consultant, 2016–17
 "Sound of Song: Popular Song from Edison to MP3," BBC 2014
 "American Experience: Edison," PBS, consultant, 2013-2014
 "Ten Things You Didn't Know About," History Channel, 2014
 "American Genius: Edison vs. Tesla," National Geographic Channel, 2014
 "America: Facts vs. Fiction: Thomas Edison," Military Channel, 2013
 "America's National Treasures," National Geographic, 2012
 "TV Museum of World History," NHK-BS (Japan), 2012
 "The Story of Electricity," BBC4, 2011
 "The Psychophone," History Detectives, Lion TV, 2009
 "Moguls & Movie Stars: A History of Hollywood," Turner Classic Movies, 2009
 Edison and Motion Pictures, Story House Productions, 2006
 "Edison and Fujioka of Toshiba," Milky Way Media, Inc. 2005
 "Modern Marvels: Edison Tech." History Channel. 2005
 Man, Machine, Moment: Edison." History Channel, 2005
 "Edison: The Invention of the Movies." Kino Video. 2004
 "125th Anniversary of Electric Light." Edison Electric Institute. 2004
 "Thomas Edison," JAK Films, 2004
 "Great Men and Their Trials," Japan TV Asahi, 2004
 "History Detectives: Edison Cement House," PBS/LionTelevision, 2004
 "Battle of the Currents," Engstfeld Film GmbH, 2004
 "We Built This City." Darlow Smithson Productions Ltd., 2003
 Megaphone radio documentary. BBC Radio Arts, 2003
 Kentucky PBS documentary on Thomas Edison, 2001
 "DaVinci—Thomas Edison," East Company, Japanese television, 2001
 "Japan News Magazine: Thomas Edison New Year Special," Japan TV America, 2000
 "The Most," Show #107, History Channel, 2000
 "How the Victorians Wired the World," Blakeway Associates, 2000
 "The Force that Changed the World," Quorum Television, 2000
 "Electric Nation," Great Projects, 1999–2000
 "Sigmund Schukert," Bayerischer Rundfunk (TV), Germany, 1999
 "The Chair," Channel Four/RDF television, 1997–978
 "The Edison Effect," History Channel (Wilkman Productions), 1995–96
 "Edison," A&E Biography Series, 1995
 "Edison" for "Innovation: Design, Environment & Strategy," Open University, BBC, 1995.
 "Edison and the Miracle of Light," *The American Experience*, WGBH/PBS (Elevator Pictures), 1994–95
 National Geographic Society film on elementary electricity, 1992
 "The Electric Chair," Ideas Program, CBC Radio, 1992
 "Edison in the Age of Mechanical Reproduction," Center for Film and Historical Research, 1991–92

CONSULTANT, OTHER

Thomas Edison National Historical Park, Strategic Planning Meeting, 2019
 Edison and Innovation Event: Learn Innovation from Thomas Edison, Norwell Consulting, 2005–present
 Exhibit Consultant, Thomas Edison Center at Menlo Park, 2009–present
 Exhibit Consultant, Advisory Committee, Lemelson Center for the Study of Invention and Innovation, Smithsonian Institution, 2007–present.

National Inventors Hall of Fame, Blue Ribbon Panel for Historic Inventors, 2006.
Edison National Historic Site, Consultant on Interpretative Program and Exhibit Design, 2003–2004.
Electronic New Jersey, History of Science and Technology, 2000–2001, 2003–4.
Rutgers Academic Challenge, 2001–2002.
Johns Hopkins Guide to the History of Technology in American Life, 2000–2001.
Website for "Edison and the Miracle of Light," *The American Experience*, WGBH/PBS, 2000.
Exhibit consultant, "Lighting a Revolution" exhibit, National Museum of American History, Smithsonian Institution, 1999.
"Interpreting Edison" Program Committee, Edison National Historic Site, National Park Service, 1996.
Interpretive Program Development Committee, Edison National Historic Site, 1990.

TEACHING (RUTGERS UNIVERSITY)

Graduate

Chair, Ph.D. Dissertation committees: Michael Dobe, Kathy Lyon
Member, Ph.D. Dissertation committees: Eric Barry, Justina Bernstein, Scott Bruton, Bridget Gurtler, Silvia Muller, Kris Shields
Master's Thesis Chair: Jan-Jacob Blusse
Seminar on Biography
Colloquium in Theory and Method in the History of Technology
Colloquium in the History of Technology and Gender
Seminar in the History of Technology, Environment, and Health
American Social History Seminar: Technology, Environment, & Health
Independent Reading: History of Technology
Independent Reading: History of Technology & Environment
Graduate Minor Exam Committee, History of Technology, Environment & Health
Graduate Minor Exam Committee, Global History and Technology

Undergraduate

"Topics in Innovation History (Online Course 1.5 credit)
"The Edison Effect: Technological Innovation in American Culture" (Online course)
"The Amazing Thomas Edison and His Many Lives," Byrne First Year Seminar
"Science in American Culture"
"Technology and Society"
"Readings in History"
Henry Rutgers Thesis committees (7, chair (1)
Byrne Undergraduate Fellows (2)
Director, Thomas A. Edison Papers, Undergraduate Internship Program. 1990–91
Faculty Director, New Jersey Agricultural Museum, Undergraduate Internship Program. 1990–91

FACULTY COMMITTEES, RUTGERS UNIVERSITY

Digital Humanities Initiative, School of Arts and Sciences, Convenor, 2015–2021, Member 2013–
Director, Minor in Science, Technology and Society, 2014-present
Faculty Senate, 2015-2016
Graduate Public Humanities Internships Application Review Committee, 2021
History Department:
Executive Committee, 2020–present

History of Science, Technology, Environment, and Health (STEH). Caucus Coordinator, 2000–2003, 2006–2013.
Chair, Reappointment Committee for Ann Gordon, History Department, 2006.
Public History Advisory Committee, 2006
Chair, Promotion Committee for Theresa Collins, History Department, 2003–4, 2017-18.
Graduate Education Committee, History Department, 1999–2001.
Promotion Committee, Thomas A. Edison Papers, 1996–97.
Search Committee, Environmental History and Public Health History positions, Joint Rutgers Newark/NJIT History Department, 2000–1.
Search Committee, History of Technology, Joint Rutgers Newark/NJIT History Department, 1997–98.
Search Committees, Editorial Assistants, Thomas A. Edison Papers, 1984–present.

PROFESSIONAL ORGANIZATIONS

American Historical Association, Member, 2015- present

Association for Documentary Editing, Member 1983–present; President, 2017-18; President-elect, 2016–17; Councilor-at-Large, 2013-16; Meetings and Arrangements Committee, Chair, 2018–19; Program Committee, Chair, 2017-18, Member, 2013–2014; Electronic Editions Committee, Chair 2006–2007; Institute for Historical Editing, Faculty Member, 2008–9.

History of Science Society, Member, 1988–present

National Council on Public History, 2015–present

Society for the History of Technology (SHOT), Member 1980–present; Finance Committee, Chair, 2014–16; Website Committee, Chair, 2006–2008; Bernard S. Finn IEEE History Prize Committee, Chair, 2020, 2000, Member, 2018-2021, 1999–2001; Executive Council, Member 1995–97; Nominating Committee, Chair, 1988–89, Member, 1987–90

New Jersey Studies Academic Alliance, Member, 2011–present; Graduate Student Paper Award Committee, Chair, 2012–present

BOARD MEMBERSHIPS

Thomas Edison Birthplace, Milan, 2019–present

Thomas Edison Center at Menlo Park (Edison Memorial Tower Corp.),
Board of Trustees, 2005–present; Chair, 2007–2011, Vice Chair, 2011-present

David Sarnoff Library, Board of Directors., Member 2002-2009.

Edison Awards, Steering Committee, 2008–2012

Institute of Electrical and Electronic Engineers (IEEE)

History Committee, 2000–6, 2014–16, Fellowship Committee, 2005–6, 2014–16;

Middleton Book Prize Committee, 2014–16

New Jersey Inventors Hall of Fame, 2007-2009, Secretary, 2008-2009.