

CONEVERY BOLTON VALENCIUS

Department of History, Boston College

Stokes Hall South, 140 Commonwealth Avenue, Chestnut Hill, MA 02467

CON-a-very va-LEN-chus

conevery.valencius@bc.edu office 617.552-8803 ORCID ID: 0000-0002-5513-4407

Twitter: @Conevery @USEnergyHist Facebook: Lost History of the New Madrid Earthquakes

ACADEMIC POSITIONS

- Boston College, Professor, Department of History 2016 –
Steering Committee, Program in Environmental Studies
- Radcliffe Institute for Advanced Study, Katherine Hampson Bessell Fellow 2016-17
- University of Massachusetts Boston 2011-16
Associate Professor (2014-16) and Assistant Professor (2011-14), Department of History
Affiliate (2012-16) and Adjunct (2017 - 2020) Faculty, School for the Environment
- Harvard University 2005 –
Associate Faculty (2006 –) and Visiting Lecturer (2005, 2010-11),
Department of the History of Science
- Dibner Institute for the History of Science and Technology, Senior Fellow 2004-6
- Washington University in St. Louis, Assistant Professor, Department of History, 1999-2004
Program in American Culture Studies, and Program in Environmental Studies

MAJOR FELLOWSHIPS AND PRIZES

- Fund for Investigative Journalism grant for collaborative book project (\$6,000, March 2019) 2019-20
- Katherine Hampson Bellow Fellowship, Radcliffe Institute for Advanced Study 2016-7
- Margaret W. Rossiter Prize for the History of Women in Science, 2012
co-recipient, History of Science Society
- Research Fellowship, National Endowment for the Humanities 2007
- Senior Fellowship, Dibner Institute for the History of Science and Technology 2004-5
- George Perkins Marsh Prize, American Society for Environmental History, for best book 2003
- Allan Nevins Prize, Society of American Historians, for best-written dissertation in U.S. history 1999

EDUCATION AND BACKGROUND

- Ph.D., Department of the History of Science, Harvard University 1992-8
- B.A., with honors, Department of History, Stanford University 1986-9
- Proud graduate of Little Rock Central High School 1986
- Coursework at the University of Arkansas at Little Rock 1985-86

PUBLICATIONS AND CURRENT PROJECTS

IN PROGRESS - WRITING

- *In the Bull's-Eye: The Untold Story of the Greatest Earthquake Surge in Modern History*, a popularly-oriented scientific detective story about earthquakes and modern energy, under contract with trade division of University of Chicago Press, with science journalist Anna Kuchment.
- “*Wings, 1927*: a landmark of aviation photography, aerial war – and energy,” for *American Energy Cinema*, ed. Raechel Lutz, Robert Lifset, and Sarah Stanford-McIntyre, forthcoming with West

Virginia University Press. Copy-edits returned Feb 2021.

- “Earthquakes and Disease: Sermon on the 1755 Cape Ann quake,” for new website “The History of Contagion in Harvard Library Collections,” part of the Countway Library of Medicine “Contagion” project in response to the COVID pandemic. Submitted and out for review March 2021.

IN PROGRESS - GRANT PROPOSALS

- Co-PI, Boston College SIGECS program (Schiller Institute Grants on Exploratory Collaborative Scholarship), “Injection Wells and Induced Seismicity in Historical Perspective,” with John E. Ebel, submitted March 2021.
- Senior personnel, “Building Intergenerational Equity into Coastal Decision-Making by Incorporating Local Value and Knowledge Flows,” proposal to NSF Coastlines & Peoples (CoPe) Hubs for Research and Broadening Participation Solicitation 20-567, on history and future of Boston Harbor, UMass Boston School for the Environment, submitted Sept 2020.
- Collaborator, “Democratizing Carbon,” interdisciplinary concept outline submitted to the NSF EAGER SAI-E program, with colleagues from Boston College School of Social Work, Program in Environmental Studies, and Schiller Institute for Integrated Science and Society, Dec 2020 (*received word Jan 2021 that we will not be invited to submit a full application*).

BOOKS

- *The Lost History of the New Madrid Earthquakes* (The University of Chicago Press, 2013, paperback, 2014). “Recommended summer book:” *Nature*, 2014.
- “*The Health of the Country: How American Settlers Understood Themselves and Their Land* (Basic Books, 2002). 2003 George Perkins Marsh Prize and the 1999 Allan Nevins Prize.

ACADEMIC WRITING

- “Environmental History in the Time of COVID: History from within the Whirlwind,” brief thought-piece in a special forum, “Reflections: Environmental History in the Era of COVID-19,” *Environmental History* 25 (October 2020): 676-679.
- “Knowledge, Uncertainty, and Induced Earthquakes in Arkansas,” in Ian Miller and Paul Warde, eds., “Forum: The Environmental History of Energy Transitions,” *Environmental History*, 24 (2019): 514-523. doi: 10.1093/envhis/emz006
- “Forgetting and Remembering the New Madrid Earthquakes,” response to book critique by seismologist Duncan Carr Agnew, *Earth Sciences History* 37, no. 1 (April 2017): 207-209.
- Kenneth L. Campbell, Arthur Eisenkraft, Margaret Hart, Jungah Kim, S. Maria Sonin, and Conevery Bolton Valencius, “How to Build Bridges: Career Stories that Connect the Humanities and the Sciences,” in Paul Gibbs, ed., *Transdisciplinary Higher Education: A Theoretical Basis Revealed in Practice* (Springer: 2017): 227-254.
- Conevery Bolton Valencius, David I. Spanagel, Emily Pawley, Paul Lucier, and Sara Sidstone Gronim, “Science in Early America: Print Culture and the Sciences of Territoriality,” *Journal of the Early Republic*, 36, no 1. (Spring 2016): 73-123.
- “Teaching Chekhov as Environmental History: Sakhalin Island and Cold Climates,” in Michael C. Finke and Michael Holquist, eds., *Approaches to Teaching the Works of Anton Chekhov*, MLA Approaches to Teaching World Literature (NY: Modern Language Association, 2016): 171-178.
- “Accounts of the New Madrid earthquakes: personal narratives and seismology over the last two centuries,” in Deborah R. Coen, ed., *Witness to Disaster: Earthquakes and Expertise in Comparative Perspective*, special issue of *Science in Context*, 25, no. 1 (February 2012): 17-48.
- Peter J. Kastor and Conevery Bolton Valencius, “Sacagawea’s ‘Cold’: Pregnancy and the Written

Record of the Lewis and Clark Expedition,” *Bulletin of the History of Medicine* 82 (Summer 2008): 276-310. Awarded the 2012 History of Science Society Margaret W. Rossiter History of Women in Science Prize.

- “Chekhov’s *Sakhalin Island* as Medical Geography,” in Michael C. Finke and Julie de Sherbinin, eds., *Chekhov the Immigrant: Translating a Cultural Icon* (Bloomington: Slavica Press, 2007): 299-314.
- “An Entangled Bank,” on teaching Darwin’s *On the Origin of Species*, *Environmental History* 10 (Oct 2005): 755-757.
- “Gender and the Economy of Health on the Santa Fe Trail,” in Gregg Mitman, Michelle Murphy, and Chris Sellers, eds., *Landscapes of Exposure: Knowledge and Illness in Modern Environments*, published as *Osiris* 19 (2004): 79-92.
- “Mudslides Make Good History,” on the future of environmental history, in special issue on the future of American history, *Journal of the Early Republic* 24 (Summer 2004): 252-9.
- “The Geography of Health and the Making of the American West: Arkansas and Missouri, 1800-1860,” in Nicolaas A. Rupke, ed., *Medical Geography in Historical Perspective* (London: Wellcome Institute Trust for the History of Medicine, 2001): 121-145.
- “Histories of Medical Geography,” in Nicolaas A. Rupke, ed., *Medical Geography in Historical Perspective* (London: Wellcome Institute Trust for the History of Medicine, 2001): 3-30.
- Conevery A. Bolton, “ISOTYPE and the Project of Universal Graphic Language,” in Werner Sollors, ed., *Multilingual America: Transnationalism, Ethnicity, and the Languages of American Literature* (New York and London: New York University Press, 1998): 380-388.
- Conevery A. Bolton, “A Sister’s Consolations: Women, Health, and Community in Early Arkansas, 1810 – 1860,” *Arkansas Historical Quarterly* 50 (Autumn 1991): 271-291. Winner of the 1990 Susie Pryor Essay Award in Arkansas Women’s History.

WORKSHOPS

- Radcliffe Exploratory Seminar, “What We Pump Underground: A Multi-Disciplinary Conversation about Injection Wells in the United States:” a multi-disciplinary invited conference co-organized with Evan Hepler-Smith and Jonathan Kronos at the Radcliffe Institute for Advanced Study, planned for June 2020, *COVIDed*.

LEGAL CONTRIBUTIONS

- Contributed to and helped gather almost 80 environmental historians to co-sign a Brief of Amici Curiae in Case No. 18-36082 in the United States Court of Appeals for the Ninth Circuit, United States of America, et al., Defendants-Appellants, v. Kelsey Cascadia Rose Juliana, et al., Plaintiffs-Appellees, the “children’s climate change case.” The Brief argued that use of natural resources has historically grounded Americans’ claims to citizenship.

WRITING FOR A PUBLIC AUDIENCE

- “If you smell something, say something: When the stink of cities made Americans sick,” review of Melanie Kiechle’s *Smell Detectives* in *Distillations* magazine, vol. 4, no. 2 (Summer 2018): 36-39.
- Op-ed, *Arkansas Democrat-Gazette*, “Stop Pretending: State has quakes; be prepared,” 14 August 2015.
- Page 99 test: *The Lost History of the New Madrid Earthquakes*. Blog contribution: “Open the book to page ninety-nine and read, and the quality of the whole will be revealed to you.” 7 October 2014. <http://page99test.blogspot.com/2014/10/conevery-bolton-valenciuss-lost-history.html>
- Americans and Their Environments at the Time of Lewis and Clark, in Alan Taylor, ed., *Lewis & Clark: Journey to Another America* (St. Louis: The OASIS Institute and Missouri Historical Society Press, 2003): 144-159. Peer-reviewed article written for classes of older adults.

ESSAY REVIEWS

- H-Environment Roundtable Review of Jennifer Thomson, *The Wild and the Toxic*, vol. 10, no 6 (June 2020): <https://networks.h-net.org/thomson-wild-and-toxic-american-environmentalism-and-politics-health-roundtable-vol-10-no-6-2020>
- H-Environment Roundtable Review of Paul Sutter, *Let Us Now Praise Famous Gullies: Providence Canyon and the Soils of the South*, Roundtable Review, vol. 6, no. 7 (Sept 2016): <https://networks.h-net.org/node/19397/pages/20803/roundtable-reviews>
- Author response to H-Environment Roundtable Review on *The Lost History of the New Madrid Earthquakes*, vol. 5, no. 3 (March 2015): <https://networks.h-net.org/valencius-lost-history-new-madrid-earthquakes-roundtable-review-vol-5-no-3-2015>
- H-Environment Roundtable Review of Mark Fiege, *The Republic of Nature: An Environmental History of the United States*. Roundtable Review, vol. 4, no. 1 (July 2014): <https://networks.h-net.org/mark-fiege-republic-nature-environmental-history-united-states-roundtable-review-vol-4-no-1-2014>
- “Dirt and Dung, Enduringly.” Review of *Larding the Lean Earth: Soil and Society in Nineteenth-Century America*, by Steven A. Stoll. *Reviews in American History* 31 (2003): 397-405.
- ...and short reviews in publications ranging from *Journal of the West* to *Annals of Internal Medicine*.

PUBLIC MEDIA (since 2012)

HEALTH IN THE US, PAST & PRESENT

- “Lunch with Limerick – Getting Sick and Getting Well: How Americans Have Understood Disease and Health” conversation with Patty Limerick, Center of the American West, 1 Oct 2020 <https://www.centerwest.org/archives/23013>

HISTORY OF THE U.S. CIVIL WAR

- U.S. Grant History Chat #6, conversation with Nick Sacco, Park Ranger, 11 June 2020, Ulysses S. Grant National Historic Site <https://www.facebook.com/watch/?v=1117575685293888>

POLITICS OF THE PRESENT

- “What AAAS Members Are Saying about Citizen Science,” Caitlin Jennings, 14 May 2018, AAAS news at <https://www.aaas.org/news/what-aaas-members-are-saying-about-citizen-science>.
- Quoted in the *South Shore Patriot Ledger*:
 - 19 Jan 2021, supporting a proposed Department of Equity and Inclusion in Quincy, MA: <https://www.patriotledger.com/story/news/2021/01/19/residents-show-overwhelming-support-department-social-justice-equity/4221250001/>
 - 12 June 2020, organizing a large-scale community letter to the Quincy, MA Mayor asking for more constructive community engagement with local policing and a more sensitive city response to Black Lives Matter protests: <https://www.patriotledger.com/story/news/local/2020/06/12/quincy-mayor-faces-backlash-over-language-letter-signed-by-hundreds-calls-for-police-reform/42457951/>
 - 25 June 2019, testifying to a State Senate subcommittee about the need for statewide legislation against caricatured mascots (such as the one at my children’s high school). In summer 2020, sustained local activism resulted in a change to the mascot.

STUDENTS’ COMMENTARY

- Book podcast sponsored by the Consortium on the History of Science, Technology, and Medicine for which “Powering America” Boston College Core class students collaboratively wrote questions for historian Chris Jones, April 2019: <https://www.chstm.org/routesofpower> (BC comes in at 20:51).

EARTHQUAKE HISTORY & PRESENT-DAY EARTHQUAKES

- “Finding Fault: BC History Professor Conevery Bolton Valencius exposes the hidden history of human-induced earthquakes.” Boston College Magazine Fall 2020. <https://www.bc.edu/content/bc-web/sites/bc-magazine/bc-magazine-fall-2020-issue/linden-lane/fracking.html>
- Discussion of New Madrid Earthquakes on Illinois Public Radio “The 21st Show,” 17 June 2019, segment June 17 on New Madrid Earthquakes (“The 21st Show”) <https://will.illinois.edu/21stshow/program/where-illinois-emissions-come-from-news-podcasts-for-the-summer-midwest-ear> (at 35:04-49)
- “Barnes and...A Conversation with Dr. Conevery Bolton Valencius,” 25-minute interview on AETN, Arkansas public television, September 2015. <http://www.aetn.org/programs/barnesand/valencius>

THE LOST HISTORY OF THE NEW MADRID EARTHQUAKES

- Reddit “Ask Me Anything,” August 2015: https://www.reddit.com/r/AskHistorians/comments/3gl2pp/ama_lost_history_of_the_new_madrid_earthquakes/
- Interview with “The Bat of Minerva,” Minneapolis/St. Paul long-running if eccentrically named cable TV program affiliated with the University of Minnesota’s Institute for Advanced Studies, April 2015. Video: <http://ias.umn.edu/2015/04/10/valencius/>
- Tent Talk at the “Campus on the Common” celebrating UMass Boston’s 50th anniversary (Sept 2014) 15-minute talk available on Youtube: <http://www.youtube.com/watch?v=WOxW6-LolUA>
- Interview with Science, Technology, and Society channel of the New Books Network (Dec 2013). <http://newbooksinscitechsoc.com/?s=valencius>
- Talks on the New Madrid earthquakes at Weston Observatory of Boston College (Sept 2014) and Nantucket Field Station (August 2014), and Clinton School for Public Service, Little Rock, Arkansas (Sept 2013).
Sample clips: <https://www.youtube.com/watch?v=qHbig9kWCtM>
Video: <http://www.youtube.com/watch?v=A5rmRnvotAI>
- “The Great Shakes: Bodily Experience and the New Madrid Earthquakes,” University of Arkansas for Medical Sciences History of Medicine & Allied Health Sciences (Sept 2014).
- “Earthquake Science in the Early Republic: The New Madrid Earthquakes,” EARTHtalk! series, Department of Earth Science, University of Arkansas at Little Rock (March 2014).
- Interview on KRCU-FM, Missouri Bootheel, October 2013.

DISASTER PREPARATION PRESENTATIONS

- Invited plenary on “Historical Lessons from the New Madrid Earthquakes” at the New Madrid Bicentennial Conference/Earthquake Engineering Research Institute conference, April 2012.
- New Madrid Bicentennial Town Hall presentation on “The Lost History of the New Madrid Earthquakes,” sponsored by the Arkansas Geological Survey, Jonesboro, Arkansas, Jan 2012.
- Presentation on lessons of the 1811-12 New Madrid quakes, Arkansas Governor’s Earthquake Advisory Council, Jonesboro, Arkansas, Jan 2012. Guest at Advisory Council, Little Rock, Arkansas, July 2015.

ADDITIONAL AWARDS AND GRANTS

TEACHING

- Certificate of Distinction in Teaching, Derek Bok Center for Teaching and Learning, Harvard University 1999, 2006, 2011
- Washington University Faculty Grant on Ethical Issues, for development of course on “Current Questions in the History of Medicine” 2002
- Honorary faculty membership, Phi Alpha Theta History Society, Washington University in St. Louis, for work as a mentor and teacher 2001

RESEARCH AND WRITING

- Research Expense Grant, Boston College (\$2,000) 2019-20
- Undergraduate Research Fellowship grants for research and mentoring spring 2017-summer 2020
- Community Fellowship at the Boston Athenaeum 2018-19
- Faculty Research Grant, Dean of the College of Arts & Sciences and Faculty/Staff Union, UMB 2015
- Named a Fellow of the Massachusetts Historical Society 2014
- Faculty Research Grant from Washington University in St. Louis 2002
- Graduate Fellowship at the Dibner Institute for the History of Science 1997-98
- Mellon Fellowship in the Humanities, Woodrow Wilson Foundation 1992-97
- Jacob K. Javits Fellowship, United States Department of Education 1992-96
- Research Fellowship, Missouri Historical Society 1994
- Strominger Prize, Department of the History of Science, Harvard University 1992
- Susie Pryor Essay Award, Arkansas Women’s History Institute 1990
- History of Medicine Research Award, University of Arkansas for Medical Sciences 1988

HARD TO CATEGORIZE, BUT INTERESTING NONETHELESS

- Appeared as a real-life character in *The Telephone Gambit: Chasing Alexander Graham Bell’s Secret*, written by Dibner Institute colleague Seth Shulman (New York: W.W. Norton, 2008)
- Named an official “Arkansas Traveler” by gubernatorial proclamation, 2002

PROFESSIONAL PRESENTATIONS AND INVITED TALKS since 2012

Natural Disasters	Commentator at session at American Society for Environmental History (ASEH), March 2020, <i>COVIDed</i>
Comment on “Engineering, Politics, and Dams” by DC Jackson	Boston Environmental History Seminar at the Massachusetts Historical Society, Nov 2019
From Lab Bench to English: How to Translate Science into Human	Invited discussant in the grad student session at ASEH, March 2019
“Earth” session discussant	“The Undiscovered” Science Symposium at the Radcliffe Institute for Advanced Study, Oct 2018
Earthquakes & History: Induced earthquakes and shale energy <i>Scientific and industry groups</i>	GSA (Geological Society of America) Annual Meeting, Oct 2017; AAPG (American Association of Petroleum Geologists) Northeastern Sectional meeting, Sept 2017; GSA Northeastern/North-Central Sectional meeting, Mar 2017
<i>Law, humanities, interdisciplinary groups</i>	Environmental Law Symposium, Rappaport Center for Law and Public Policy at Boston College Law

	School, Nov 2017; University of Oklahoma Department of History, April 2017; Boston College Advancing Research & Scholarship Day, Dec 2016; Radcliffe Institute for Advanced Study, Dec 2016; Columbia University Society of Fellows in the Humanities, Feb 2016
The Lost History of the New Madrid Earthquakes	South Dakota School of Mines, Sept 2018; The College of Idaho, April 2018; Idaho Nature Conservancy, April 2018); University of Oklahoma (April 2017); Missouri Conference on History (Mar 2017).
Comment: water history and the Midwest	Western History Association (Oct 2016).
Earthquakes, Fracking, and Public Perception of Science	University of Texas at Austin History and Philosophy of Science Seminar series / Lone Star History of Science Group (April 2016).
Induced Earthquakes and Outsider Knowledge in Oklahoma & Arkansas	American Society for Environmental History, Seattle (April 2016). <i>Organizer:</i> "Transplantation and Extraction: Oil, Gas, & Seismicity in Brazil, Germany, and the American Midwest"
Sensing Earthquakes	"Experiencing the Global Environment" workshop at the Max Planck Institute for the History of Science, Berlin (Feb 2016).
The Future of Energy History	"Carbon and Its Discontents" roundtable, Harvard University Department of History and Center for the Environment (April 2015).
Keynote: Telling Mississippi River Stories	Sawyer Seminar on "The Once and Future River," University of Minnesota (April 2015). <i>Video:</i> http://ias.umn.edu/2015/04/08/sawyer-symposium/
Fracking and Earthquake Uncertainty in Mid-America	American Society for Environmental History, Washington, D.C. (March 2015). <i>Session organizer:</i> "Uncertainty in Lay/Expert Discussions of Environmental Issues"
Talking Earthquakes and History to Broad Audiences	Department of the History of Science, Harvard University (March 2014).
Earthquakes and Environmental History	Carnegie Mellon University symposium in honor of Joel Tarr (Dec 2013).
Comment: Joanna Dyl, "Making Land in Earthquake Country: Urban Development and Disaster in San Francisco."	Boston Environmental History Seminar, Massachusetts Historical Society (Nov 2013).
Adventures of a Historian among the Seismologists	UMass Boston School for the Environment Seminar Series (Oct 2013).
Comment: military culture in the U.S. Civil War	Massachusetts Historical Society conference, "Massachusetts in the Civil War" (April 2013).
Invited keynote speaker, panel commentator, and informal presenter	Chemical Heritage Foundation/WHEATS graduate conference in the history of environment, agriculture,

	technology, and science, University of Pennsylvania (March 2013).
Fracking and Seismic Fear in the American Heartland	“Climate and Beyond: Knowledge Production about Planet Earth and the Global Environment,” Oeschger Centre for Climate Change Research, University of Bern (Jan 2013).
Comment: “Bodies at War”	American Historical Association (Jan 2013).
Comment: “Acculturation”	Northeast/Atlantic Canada Environmental History Forum, Massachusetts Historical Society (Oct 2012).
Comment: health and Western journeys	Western Historical Association (Oct 2012).
Historians and Earthquakes in the Central U.S.	STS Circle, Harvard University Kennedy School of Government (Feb 2012).
Vernacular Science and the New Madrid Earthquakes	Humanities Center, Department of History, and Department of Geosciences, Stony Brook University (Feb 2012).

PUBLIC AND CAMPUS ENGAGEMENT since 2012

BOSTON COLLEGE CAMPUS COMMUNITY

- Planning team member for Schiller Institute series on environmental racism, 2020-21.
- Facilitator of Schiller Institute webinar, “Challenging Environmental Racism: Stressful Landscapes, Toxic Exposures, and What One BC Student is Doing About It,” Prof. Richard Mizelle (University of Houston), Dean Kimberly L. Jones (Howard University) and Mr. Adin Henderson (Boston College), Feb 2021 <https://www.youtube.com/watch?v=2cDDmdRi8Ko>
- Seed team member and facilitator for Courageous Conversations Toward Racial Justice, Boston College, Spring-Fall 2019. Participated in recruiting a collaborative student/faculty/staff planning group and helped plan and enact campus-wide discussions Fall 2019 –
- Guest presenter for the Women Innovators Network on negotiating job offers, Fall 2019.

POLITICAL ADVOCACY

- Organized community-wide letter to the Mayor of Quincy, MA and initiated a new Quincy Police-Community Conversation monthly discussion group with the Mayor and the Police Chief in response to racism and police brutality, summer 2020 -
- Testified before the Massachusetts Legislature education committee against Native American mascots, June 2019, and participated in the Nov 2019 Massachusetts Indigenous Legislative Agenda lobbying Day.

PRESENTATIONS FOR K-12 TEACHERS & EDUCATION PROFESSIONALS

- Outdoor, in-place workshop on using field trips to help students learn about the built environment and environmental history, Primary Source, Boston, MA, *July 2021*.
- Workshops on using pieces from the Museum of Fine Arts to teach environmental history, Primary Source, Boston, MA, summer 2019 (+ 2020 session, *COVIDed*).
- Presentations on health and environment in US history: “Mapping the Territory: 2018 Summer Seminar for Arkansas Teachers,” Little Rock, June 2018; Arkansas Science Teachers’ Association, Nov 2003, and the Cooperating School Districts of St. Louis, March 2003.

- Workshop with public high school teachers on preparing students for university classes, North Quincy High School, Quincy, MA, Feb 2018.
- Session for high school and middle school teachers on teaching the history of science through earthquakes, The Education Cooperative, Dover, MA, July 2015.
- Plenary on teaching environmental history and session on the New Madrid earthquakes in the American Studies Summer Institute, a continuing-education program for high school teachers and history and American Studies graduate students, UMass Boston Department of American Studies and the John F. Kennedy Library, July 2015.
- Workshop for high school teachers on teaching the Civil War in Massachusetts through archival materials, Commonwealth Museum teacher education series, Oct 2013.
- Workshop on finding the history of science in archives, Butler Center for Arkansas Studies, Sept 2013.

PRESENTATIONS FOR KIDS & LIFELONG LEARNERS

- Workshop on science and history for Westford High School physics class, Spring 2020.
- Workshop on U.S. Reconstruction to students in the Women's Learning Center, St. Mary's Center, Dorchester, Massachusetts, March 2016.
- Classroom presentations on writing history to classes at Wollaston Elementary School, 2012-2016.
- Guest speaker on "Earthquakes and History," Jonesboro Middle School students, Jonesboro, Arkansas, Jan 2012. Followed an engineer with photos of huge earth-moving equipment, huge destruction, and men with guns in disaster zones, but still managed to keep the attention of 400 middle-schoolers!

PUBLIC HISTORY

- Lincoln Dinner speaker, Union Club of Boston, February 2019.
- Consultant, children's book on Women in Medicine & STEM Fields, RedLine Editorial, Jan 2016.
- "Lighting talk" participant, 50th anniversary of the Nantucket Field Station, UMass Boston, Oct 2014.

ENGAGEMENT WITH UNDERGRADUATE COMMUNITIES

- Guest presenter in Donaghey Scholars Honors Program, University of Arkansas at Little Rock, 2014.
- Guest speaker in Harvard University classes in History and History of Science, 2006-2009, 2013, 2019; Wellesley College course in environmental studies, 2020.

COMMUNITY ENGAGEMENT

- Coordinator, Troop 65472 (currently Senior Girl Scouts, in early high school), Girl Scouts of Eastern Massachusetts, 2016 –
 - Two teams earned Silver Awards Jan 2021 for independent projects despite pandemic
- Panelist at "Grants 101," a professional development workshop at the Copley Society of Art, Boston, MA, July 2018.
- Honored as a Volunteer of the Year by MICA, a local interfaith community group, 2018.
- President of the Board of Directors of Ummeed Child Development Fund, supporting an innovative developmental pediatrics center in Mumbai, India addressing a broad spectrum of disabilities, 2011 -
- Member, Board of Directors, Boston Chinese Dance, teaching traditional Chinese dance, and fostering community among recent immigrants, 2013 – 2018.
- Judge, STEM Fair, Quincy High School, 2014 and 2016.

TEACHING

BOSTON COLLEGE

2016 -

- Convener of “Bodies and Places” Working Group in the History department (Summer 2020 –)
- “Powering America” interdisciplinary course in the Renewed Core curriculum, co-taught with seismologist John Ebel and engineer Jonathan Krones (Spring 2019, 2020, 2021, 2022)
- Leeches to Lasers survey course on U.S. health and medicine (Fall 2017, Fall 2020), Energy History senior seminar (Fall 2017), U.S. Civil War & Reconstruction (Spring 2018, Fall 2019, *Fall 2021*), “This Land is Your Land” survey of U.S. environmental history (Spring 2018, Fall 2019, Fall 2020, *Fall 2021*), graduate Readings & Research course on environmental history co-taught with History Department colleague Ling Zhang (Spring 2018).
- On PhD oral exams/thesis committees for Kabir Joshi, Nicholas Beinor, Laura Clerx, Robin Radner.
- Advisor for Undergraduate Honors Theses: History, 2020-21, 2021-2; Faith and Justice 2018, 2021.
- Advisor for Undergraduate Research Fellows Spring 2018 -Spring 2020, *Summer 2021* on research projects on induced seismicity.

SCHOOL FOR THE ENVIRONMENT, UMASS BOSTON

2014-16

- Co-teacher, “Coasts and Communities,” IGERT Program graduate introduction (Spring 2016).
- Advisor and committee member for M.S. students. Thesis advisor for one student.
- Guest lecturer: EOS 375, Introduction to Remote Sensing (Spring 2015) and EOS 604 (Spring 2015).

DEPARTMENT OF HISTORY, UMASS BOSTON

2011-16

- History 101, introduction to methodology and skills, Leeches to Lasers: Medicine and Health in the United States, U.S. History Since 1877, This Land is Your Land: An Exploration of U.S. Environmental History, U.S. Civil War and Reconstruction, Sites of Calamity: Places of Disaster in U.S. History, Research & Methods seminar in Civil War history.

DEPARTMENT OF THE HISTORY OF SCIENCE, HARVARD UNIVERSITY

2005, 2010-11

- 2005 Certificate of Distinction in Teaching

DEPARTMENT OF HISTORY, WASHINGTON UNIVERSITY IN ST. LOUIS

1999-2004

- Developed and taught courses across the History curriculum. Oversaw senior thesis projects, graduate readings, and dissertation research.

DEPARTMENT OF THE HISTORY OF SCIENCE, HARVARD UNIVERSITY (graduate work)

1994-99

- 1999 Certificate of Distinction in Teaching

OTHER GRADUATE TEACHING AND ADVISING

- PhD Committee for Peter Boucher, UMass Boston School for the Environment, PhD 2020.
- External Ph.D. advisor for students at University of Pennsylvania, Harvard University, and Stony Brook University, 2011-2016.

TEACHER TRAINING

- Renewed Core pedagogic workshops for instructors assembling Complex Problems courses, Boston College, spring 2018.
- Center for Teaching Excellence workshops on responding to current events, pandemic teaching, remote learning, other topics, Boston College, 2018, 2019, 2020.
- Center for Innovative Teaching (CIT) semester-long teaching seminar, UMass Boston, spring 2013.

- Teaching workshops through the Center for Innovative Teaching at UMass Boston (2011-2014), Derek Bok Center for Teaching and Learning at Harvard University (1994-1998), and the Teaching Center at Washington University in St. Louis (1999-2004).

DEPARTMENTAL AND UNIVERSITY SERVICE since 2012

BOSTON COLLEGE

- Moderator of webinar on Interdisciplinary Programs and Formative Education (the Jesuit call to attend to community-oriented, spiritual, and ethical imperatives, as well as intellectual questions), March 2021.
- Panelist at a session on teaching during a pandemic, Boston College Advancing Research & Scholarship session, Fall 2020.
- Member of faculty interview committee for inaugural Engineering Department Dean, 2020.
- Department newsletter compiler, 2020-21.
- Promotions Committee, Department of History, 2019-2020.
- Co-convenor of brownbag discussions on writing & teaching, Department of History, 2019-2020.
- Environmental Studies Steering Committee, 2017 – Committee on new concentrations, Spring 2019.
- Ad hoc mission statement team, Department of History, Spring 2018.
- Tenure committee, Department of History, 2017-18.

UNIVERSITY OF MASSACHUSETTS BOSTON

- Member, Nantucket Field Station Committee, School for the Environment, 2013 – 2016.
- Member, IGERT Program Steering Committee, 2014 – 2016.
- Co-founder and co-director, minor in “Science, Medicine, and Society,” 2014 – 2016.
- Member, General Education Committee, 2014 – 2015.
- Presenter at Office of Faculty Development session on tenure and promotion, March 2015.
- Member, Distribution Committee, College of Liberal Arts, 2013-2015.
- Honorary Degree Committee member, 2012-13.

DEPARTMENT OF HISTORY, UNIVERSITY OF MASSACHUSETTS BOSTON

- Chair, Search Committee for Assistant Professor in Native American History, 2015-6.
- Executive Committee member, Department of History, 2012-2014, 2015-2016.
- Member, Committee on Merit Revision, subcommittee addressing service and research, 2012-13.
- Member, Search Committee for Assistant Professor in Public History, Department of History, 2014.
- Member, assessment team making recommendations on departmental self-assessment, 2013.
- Faculty Senate representative, Department of History, 2012-2013.
- Co-chair, Search Committee, Ass’t Professor in History of Modern Sub-Saharan Africa, 2012-13.
- Undergraduate Committee member, Department of History, 2011-14, and Director, 2015-16.
 - Coordinated undergraduate awards 2013-16.
 - Helped write formal guidelines for History 101 (2011-12), undergraduate internship program (2013), and reading and writing parameters for undergraduate courses (2011-12).
- Co-convenor of informal faculty brown-bag discussion series, Department of History, 2012-14.

PROFESSIONAL SERVICE since 2012

- American Society for Environmental History (ASEH) Executive Committee, 2017-2021.
 - Helped create new policies on Discriminatory Harassment and political statements (2019).
 - Contributed to successful proposal for Boston 2021 ASEH Annual Meeting (*COVIDed*).

- Through 2020, Executive Committee representative on the three-person Harassment Ombudsperson team to address sexual or other forms of harassment at our annual meeting.
- History of Science Society Philip J. Pauly Book Award committee member, 2019-2022.
- Women’s Environmental History Network: inaugural co-facilitator for the @envhistwomen Twitter feed, 2019 - (Currently over 3,000 followers)
- Participant and host, weekly writing studio sessions for faculty and graduate students organized by Chris Jones, Arizona State University Department of History.
- Creator and facilitator for the @USenergyhist Twitter feed for the Powering America Core class (less successfully) and journalists and fellow energy historians (reasonably successfully).
- Successfully nominator of Kara Swanson for the 2018 Margaret W. Rossiter Prize for the History of Women in Science from the History of Science Society.
- Radcliffe Institute for Advanced Study applications reader, 2017, 2019.
- NEH panelist on science and healthcare proposals for new grant line, Humanities in the Public Square, National Endowment for the Humanities, September 2015.
- History of Science Society (HSS) Council Member, 2013-2015.
 - Co-leader of goal-setting group for HSS Strategic Planning initiative, 2014.
 - Co-organizer for “Science in the Streets,” event on public engagement in science, HSS Annual Meeting, Boston, Nov 2013.
- Center for Philosophy and History of Science, Boston University, Affiliate Member, March 2013 – 2015.
- Senior mentor in mentoring program through the Virginia Institute of Technology, 2012-2016.
- Earth & Environment Forum of the History of Science Society, Steering Committee, 2010-12, 2014-16.
- Reviewer for journals and presses in U.S. history, the history of medicine, and environmental history (recently, *Journal of the Early Republic*, *Isis*, *Environmental History*, and Oxford University Press).

PROFESSIONAL AFFILIATIONS

- AAHM: American Association for the History of Medicine, 1993 –
- AAAS: American Association for the Advancement of Science, 2013 –
- AHA: American Historical Association, 1994 –
- ASEH: American Society for Environmental History, 1998 – (currently on Executive Committee)
- GSA: Geological Society of America, 2016 -
- HESS: History of Earth Sciences Society, 2007 –
- HSS: History of Science Society, 1993 – and Earth and Environment Forum of HSS, 2007 –
- ICEHOUSE Society:
 International Consortium of Environmental History Organizations’ Underwriters, Supporters and Enthusiasts, 2020 -
- IWSS: Independent Women Scholars Salon, writing group founding member, 2008 –
- MHS: Massachusetts Historical Society, Fellow, Fall 2014 –

SERVICE WORK before 2012

HARVARD UNIVERSITY

- Director of undergraduate honors theses, 2010-11.
- Committee on Visiting Scholars, Department of the History of Science, 2010-11.

WASHINGTON UNIVERSITY IN ST. LOUIS

- Medical Humanities Working Group, co-founder and co-coordinator, 2002-4.
- Minor in History & Philosophy of Science, co-coordinator, 2001-4.
- Curriculum review committee, Program in Environmental Studies, 2002-3.
- Committee on Environmental Quality, 1999-2002.
- Graduate Committee, 2002-3; Undergraduate Committee, 1999-2001; and Advisory Committee 2000-1, Department of History.

OTHER PROFESSIONAL SERVICE

- History of Earth Sciences Society (HESS) Council Member, 2010-2011.
- Pressman-Burroughs Wellcome Fund Award Committee, American Association for the History of Medicine (AAHM), Chair, 2008-10 and Member, 2006-8.
- Fellowship Selection Committee member, Massachusetts Historical Society, 2008.
- Program Committee member, AAHM, 2004-5.
- Shryock Essay Award Committee Chair, AAHM, 2003-4.
- HPS+ and WHOM listservs (for History & Philosophy of Science in the St. Louis region, and for Women Historians of Medicine generally), founding organizer and facilitator, 2000-4.
- Washington University in St. Louis: Panelist and moderator at student-organized sessions on current environmental issues, 2001-02. Faculty participant, Compton-Mylonas-Lien Scholars Program, Phi Alpha Theta history outings, and Women in Science and Engineering student group, 1999-2004; Guest lecturer, "Land Dynamics and the Environment" and "Lewis and Clark" courses 1999-2001.
- Harvard University: Resident Tutor, Dudley Undergraduate Co-operative House, 1993-95. Founding co-leader of History of Medicine Working Group and active member of History of Science graduate student organization.

PUBLIC MEDIA & PUBLIC HISTORY before 2012

- "Voice of America" interviewee on the historical use of leeches, July 2004.
- "As Long as Life Shall Last," contributor to exhibit on Arkansas women's lives, Old State House, Little Rock, 2000.

HEALTH OF THE COUNTRY DISCUSSIONS & PRESENTATIONS

- Medical professionals: Tulane University School of Medicine (Feb 2005); Bernard W. Becker Medical Library lecture series, Washington University School of Medicine (March 2004); and the University of Arkansas for Medical Sciences History of Medicine Associates (Sept 2002).
- Environmentalists: Missouri Coalition for the Environment (Oct 2003).
- Writers: St. Louis Writers' Guild (Feb 2003), Washington University Writers Center (Dec 2002).
- University alums: Washington University Century Club (Nov 2002).
- Local historians: American Association for State and Local History, St. Louis (Oct 2004).
- Museums and archives: Old Independence Regional Museum, Batesville, Arkansas (October 2006), Missouri State Archives (Sept 2004), and the Missouri Historical Society (March 2003).

HEALTH OF THE COUNTRY INTERVIEWS

Discussions of *The Health of the Country* on St. Paul community radio, March 2004; KABF Community Radio in St. Louis, Oct 2003; KLRE Little Rock, Dec 2002; WYSO Ohio's "Book Nook," USA Radio Network's "Daybreak USA," WILL Illinois's "Focus 580," KCPW Colorado's "Public Affairs Hour," and Cable Radio Network, Aug 2002; and KUAF, Fayetteville, Arkansas, Feb 2002.