

CONEVERY BOLTON VALENCIUS

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Twitter: @Conevery @USEnergyHist (*currently on hiatus pending further developments*)
Facebook: Lost History of the New Madrid Earthquakes

ACADEMIC POSITIONS

- Boston College, Professor, Department of History 2016-
Steering Committee, Program in Environmental Studies
- 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, Department Affiliate (2006-), Visiting Lecturer (2005, 2010-11), 2006-
Department of the History of Science
- Washington University in St. Louis, Assistant Professor, Department of History, 1999-2004
Program in American Culture Studies, and Program in Environmental Studies

MAJOR HONORS, FELLOWSHIPS, PRIZES

- American Association for the Advancement of Science: AAAS Fellow 2022-
- Radcliffe Institute for Advanced Study: Katherine Hampson Bellow Fellow 2016-7
- History of Science Society: Margaret W. Rossiter Prize for the History of Women in Science 2012
- National Endowment for the Humanities: Research Fellow 2007
- Dibner Institute for the History of Science and Technology: Senior Fellow 2004-5
- American Society for Environmental History, George Perkins Marsh Prize 2003
- Society of American Historians, Allan Nevins Prize 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
- Coursework at the University of Arkansas at Little Rock 1985-86
- Proud graduate of Little Rock Central High School 1986

PUBLICATIONS AND CURRENT PROJECTS

IN PROGRESS

- *In the Bull's-Eye: The Untold Story of the Greatest Earthquake Surge in Modern History*, first author on 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.
- “Neponset River History,” PI on SI-RITEA B grant from the Schiller Institute for Integrated Science and Society, Boston College, working with community partners at Neponset River Watershed Association and the Institute for New England Native American Studies at UMass Boston, summer 2023-summer 2024.
 - Direct Neponset River Lab of graduate and undergraduate students working on the environmental history of the Neponset River, 2021 -

- “Center for Collective Impact in Earthquake Science (C-CIES): Building Inclusive Excellence, Diversity, Equity, and Community into Earthquake Science,” consulting personnel on Track 1 NSF grant. PI: Aaron Velasco, Professor of Geological Science at University of Texas El Paso, funded July 2022.
 - Posters at 2022 American Geophysical Union and 2023 Seismological Society of American annual conference: “Center for Collective Impact in Earthquake Science (C-CIES): Building Inclusive Excellence, Diversity, Equity, and Community into Earthquake Science”
- Gallery text on energy history and environmental history context for Lynch Collection of nineteenth-century landscape paintings at the McMullen Museum of Art, author. Exhibit opens Oct 2023.

GRANTS UNDER CONSIDERATION

- “The Neponset River Watershed as a Testbed for Building a Northeast Regional Climate Resilience Center,” Proposal to Department of Energy Program of Biological and Environmental Research, FOA Number: DE-FOA-0002915. PI: Yi Ming, Boston College, submitted March 2023.
- “Shaky Ground: The Untold History of the Greatest Earthquake Surge in Modern History,” National Endowment for the Humanities Collaborative Research Grant, Funding Opportunity Number 20221130-RZ, with Anna Kuchment, for final work on book project, submitted Nov 2022.
- “New Analyses of the Source Parameters of the 1925 Santa Barbara and 1927 Lompoc Earthquakes in California,” USGS Funding Opportunity Number G24AS00292. PI: John Ebel, submitted May 2023.

PUBLISHED 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.

GRANT-FUNDED RESEARCH

- Boston College SIGECS program (Schiller Institute Grants on Exploratory Collaborative Scholarship), “Injection Wells and Induced Seismicity in Historical Perspective,” Co-PI with John E. Ebel and Jonathan Kronen, summer 2021 - 2022.

ACADEMIC WRITING

- “*Wings* (1927): Aviation, War, and Energy,” in *American Energy Cinema*, ed. Robert Lifset, Raechel Lutz, and Sarah Stanford-McIntyre (West Virginia University Press, 2023): 91-105.
- “John Winthrop’s Lecture on Earthquakes (1755) and ‘Pestilential Distempers’ Caused by Environmental Disruption,” teaching essay and primary source contributed to The Contagion Project, *Harvard Library Bulletin*, July 2021. <https://harvardlibrarybulletin.org/john-winthrop-lecture-earthquakes-pestilential-distempers-environmental-disruption>
- “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.
- “Forgetting and Remembering the New Madrid Earthquakes,” *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*, in special feature on books that should be more widely read as environmental history, *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.

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.

COVID'ED /UNFUNDED COLLABORATIVE PROJECTS (likely to be re-thought & re-submitted)

- “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: unsuccessful.
- “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, Sept 2020: unsuccessful.
- 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 Kronen at the Radcliffe Institute for Advanced Study, planned for June 2020, COVID-cancelled March 2020.

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 PRESENTATIONS AND MEDIA (since 2012)

EARTHQUAKE HISTORY & PRESENT-DAY EARTHQUAKES

- “The Forgotten Earthquakes that Reshaped America,” Colloquy podcast of the Graduate School of Arts & Sciences, Harvard University, April 2022: <https://gsas.harvard.edu/news/stories/colloquy-podcast-forgotten-earthquakes-reshaped-america>
- History of the New Madrid earthquakes, Arkansas History podcast by Dr. Heather McNamee, funded by the Arkansas Humanities Council, May 2021. <https://anchor.fm/arhistorypodcast/episodes/New-Madrid-Earthquakes-1811-1812-e119sqv>
- “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-car> (at 35:04-49)

- Becky Little, “Why It Took Two Earthquakes for San Francisco to Finally Build Smarter,” History.com, updated 19 Oct 2018. <https://www.history.com/news/why-it-took-two-earthquakes-for-san-francisco-to-finally-build-smarter>
- “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>
- 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=qHbig9kWC1M>
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

- “Lost Histories of the New Madrid Earthquakes,” Arkansas Governor’s Earthquake Advisory Council, Little Rock, Arkansas, Jan 2023.
- Presentations on the New Madrid earthquakes of 1811-12 to the Access and Functional Needs Committee (the disaster-planning group of the Missouri Developmental Disabilities Council), Jan 2022, and the Missouri State Emergency Management Agency’s Virtual Education Series for National Preparedness Month, Sept 2022.
- 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.

COVID IN HISTORICAL CONTEXT

- “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>

CIVIL WAR IN HISTORICAL CONTEXT

- U.S. Grant History Chat #6, conversation with Park Ranger Nick Sacco, 11 June 2020, Ulysses S. Grant National Historic Site: <https://www.nps.gov/ulsg/learn/photosmultimedia/u-s-grant-history-chats.htm>

STUDENTS' COMMENTARY

- “Powering America” Boston College Core class students posed questions to historian Christopher Jones on this book podcast sponsored by the Consortium on the History of Science, Technology, and Medicine, April 2019: <https://www.chstm.org/routesofpower> (at 20:51).

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>.

ADDITIONAL AWARDS AND GRANTS

TEACHING

- Teaching, Advising, & Mentoring collaborative grant (\$7,100) to fund Bodies & Places graduate/faculty workshop, from the University Council on Teaching, Boston College 2022-3
- Winston Center for Leadership and Ethics, Carroll School of Management, grants (\$1,000) to support communication workshops on constructive ways to approach challenging conversations, for “Powering America” Core class, Boston College 2019, 2020
- Institute for the Liberal Arts funding (\$450) for trip by “U.S. Civil War & Reconstruction” students to see and discuss the film *Harriet*, Boston College 2019
- 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 2013

Center for Collective Impact in Earthquake Science (C-CIES): Building Inclusive Excellence, Diversity, Equity, and Community into Earthquake Science	Aaron A. Velasco, Mariane Karplus, Jeffrey Weidner, Susan Bilek, Mike Brudzinski, John Ebel, Tiegan Hobbs, Steven Jaume, Alan Kafka, Kris Pankow, Zhigang Peng, Alexandros Savvadis, Elizabeth Vanacore, Divya Chandrasekhar, Conevery Bolton Valencius , Anne-Marie Nunez, Eric Jones, and José M. Hurtado, American Geophysical Union, Dec 2022
Injection Wells and Induced Seismicity in Historical Perspective	Conevery Bolton Valencius , John E. Ebel, and Jonathan Krones, Schiller Institute for Integrated Science and Society, Boston College, SIGECS Symposium (Schiller Institute Grants for Exploratory Collaborative Scholarship), Oct 2022
Comment on “Earthquakes and End Times: Global Disasters and Apocalyptic Predictions in the Early Modern English Atlantic,” by Jennifer Egloff	Boston Environmental History Seminar at the Massachusetts Historical Society, December 2022
The Lost History of the New Madrid Earthquakes	ASBOG: Association of State Boards of Geology, Fall 2021 meeting
Health and Environment in the Early United States, in the series Another Silent Spring: Environment and Health in the Era of COVID-19	School of History, Center for Ecological History, and Center for Medical History, Renmin University of China (via Zoom), May 2021
Natural Disasters	Commentator 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 Earthquakes, Fracking, and Public Perception of Science	Western History Association, Oct 2016 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 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

COMMUNITY AND CAMPUS ENGAGEMENT since 2012

PUBLIC ADVOCACY

- Invited to consult with EPA project manager and legal team about historical and industrial context of the lower Neponset River, as part of planning for Superfund designation (included graduate and undergraduate researchers in this conversation), spring 2022
- Joined grassroots effort to change the mascot of North Quincy High School, my children’s school, away from caricatured Native depiction. In summer 2020, decades of local activism resulted in a new mascot.
 - Recruited four current North Quincy High School students and participated alongside them and Native leaders in a lobbying session with Representative Ron Mariano’s office supporting Bill S.2493, Act Prohibiting the Use of Native American Mascots, Aug 2021
 - Participated in the Nov 2019 Massachusetts Indigenous Legislative Agenda Lobbying Day
 - Testified before the Massachusetts Legislature education committee about the need for statewide legislation against caricatured Native American mascots, June 2019
- Participated in #Lobby4Rivers events organized by Massachusetts Rivers Alliance and the Neponset River Watershed Association, March 2021
- Contributed to and helped coordinate 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,” March 2019. The brief argued that use of natural resources has historically grounded Americans’ claims to citizenship.
<https://www.ourchildrenstrust.org/juliana-v-us>
- 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 – 2021. *South Shore Patriot Ledger* 12 June 2020 :
<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/>
 - Supported subsequent successful effort to establish a Department of Equity and Inclusion in Quincy, MA. *South Shore Patriot Ledger* 19 Jan 2021: <https://www.patriotledger.com/story/news/2021/01/19/residents-show-overwhelming-support-department-social-justice-equity/4221250001/>

BOSTON COLLEGE CAMPUS COMMUNITY

- Guest presenter, along with high school Girl Scouts doing an engineering project from my troop, at the Women in STEM Fireside Chats, April 2022
- 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=2cDDmdRi8K0>
- 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 enact campus-wide discussions, 2019-2022. April 2021 BC News story: <https://www.bc.edu/bc-web/bcnews/campus-community/around-campus/courageous-conversations.html>

- Guest presenter for the Women Innovators Network on negotiating job offers, Fall 2019

PRESENTATIONS FOR K-12 TEACHERS & EDUCATION PROFESSIONALS

- Outdoor, in-place workshop along the lower Neponset River about how to use place-based learning to help students learn about the built environment and environmental history, Primary Source, Boston, MA, July 2021
- Workshop with public high school teachers on preparing students for university classes, North Quincy High School, Quincy, MA, Feb 2018
- Workshops on using pieces from the Museum of Fine Arts to teach environmental history, Primary Source, Boston, MA, summer 2019 (*additional 2020 session planned but COVIDed*)
- 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

- COVID-Zoom 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 kept the attention of 400 middle-schoolers!

PUBLIC HISTORY

- Lincoln Dinner speaker, Union Club of Boston, Feb 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

GUEST SPEAKING WITH OTHER CAMPUS COMMUNITIES

- Penn State graduate class, 2021; Harvard University classes in History and History of Science, 2006-2009, 2013, 2019; Wellesley College course in environmental studies, 2020; Donaghey Scholars Honors Program, University of Arkansas at Little Rock, 2014

BROADER COMMUNITY ENGAGEMENT

- Coordinator, Troop 65472 (currently Senior Girl Scouts, in high school), Girl Scouts of Eastern Massachusetts, 2016 –
 - A team of Girl Scouts published an op-ed advocating for commemoration of women’s history in Quincy, *South Shore Patriot Ledger* 7 July 2022: <https://www.patriotledger.com/story/opinion/columns/guest/2022/07/07/girl-scouts-troop-65472-quincy-write-historical-women-abigail-adams-eliza-susan-quincy-baldavin/7757327001/>

- 2022-3 projects: lab tour and career workshop with women scientists at a local biotech firm, tours of three college campuses, visit to the Peabody Essex Museum, trip to the all-women revival of “1776,” discussion with women in science group at Boston College, paper airplane engineering workshop, service project creating “street bags” for people in need on the street, installation of sharing garden as part of a troop member’s Gold Award project
- Two teams earned Silver Awards Jan 2021 for independent projects despite pandemic
- Panelist at “Grants 101” workshop at the Copley Society of Art, Boston, MA, July 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
- Honored as a Volunteer of the Year by MICA, a local interfaith community group, 2018
- Judge, STEM Fair, Quincy High School, 2014 and 2016

TEACHING AND MENTORING

BOSTON COLLEGE

2016 -

- Convene the “Bodies and Places” Working Group in the History department, summer 2020 –
- Advisor for History PhD candidate Laura E. Clerx, writing on early American science, commerce, and land-holding, and PhD student Stephen De Riel, working on early American technology
- Dissertation committee member for History Department PhD candidates Nicholas Beinor, Kabir Joshi, Robin Radner
- Advise Undergraduate Scholar of the College projects and honors theses: History, 2022-3, 2021-2, 2020-21; Environmental Studies 2022-23; Faith and Justice 2018, 2021
 - 2023 Scholar of the College projects (History): Gavin Zhang on role of mules in 20th-century American culture and agriculture; Emilie Dufault on phosphate regulation in the Great Lakes.
 - 2023 honors thesis (Environmental Studies): Liv Clarke on community health and access to the lower Neponset River
 - 2022 Scholar of the College projects: Suzi Quigg on 19th-century US medicine and Oliver Dilger on the civic ideals behind the playground movement of the early 20th century
 - 2021 Scholar of the College project: Cristina Lee on how agricultural subsidies shaped late-20th-century US federal food programs
- Served on PhD oral exams/thesis committees for Nicholas Beinor, Laura Clerx, Kabir Joshi, and Robin Radner, as well as multiple MA candidates, 2020 -
- Successfully co-nominated Kudzai Kapurura (along with other faculty involved in Courageous Conversations Toward Racial Justice) for the 2020 Timothy Padulsky Ever to Excel Award.
- Successfully co-nominated several students for awards in academic excellence by the Morrissey College of Arts and Sciences, 2022 and 2023.
- Designed and teach “Powering America” interdisciplinary course on US energy in the Renewed Core curriculum, along with seismologist John Ebel and industrial engineer Jonathan Kronos (Spring 2019, 2020, 2021) and ocean ecologist Vena Offen (Spring and Fall 2022)
- Teach “Leeches to Lasers” survey course on U.S. health and medicine, cross-listed with African and African-American Studies (Fall 2020, 2017), Energy History senior seminar (Spring 2023, Fall 2017), U.S. Civil War & Reconstruction (Fall 2021, 2019; Spring 2018), “This Land is Your Land” survey of U.S.

environmental history, cross-listed with Environmental Studies (Spring 2023, 2018; Fall 2021, 2020, 2019), graduate Readings & Research course on environmental history co-taught with History Department colleague Ling Zhang (Spring 2018).

- Mentor Undergraduate Research Fellows Spring 2018 -Spring 2020, Summer 2021, Fall 2022-Spring 2024 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 MS 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.

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

- C-CIES Seminar on Collective Impact webinar by Dr. Anne-Marie Núñez, executive director of Natalicio Institute for Hispanic Student Success at University of Texas El Paso, sharing results of 4-year study of inclusive practices in computing departments, Dec 2022
- Book discussion and workshop series on creating anti-racist pedagogy in mostly-white classrooms, Center for Teaching Excellence, Boston College, spring 2022
- 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 AT BOSTON COLLEGE

DEPARTMENT OF HISTORY

- Chair, search committee for an Assistant Professor in African American History, 2021-22
- member, Tenure and Promotions Committee, 2019-
- departmental newsletter compiler, 2020-2022
- co-convener of brownbag discussions on writing & teaching, 2019–2020
- leader of ad hoc mission statement team, Spring 2018

SCHILLER INSTITUTE FOR INTEGRATED SCIENCE AND SOCIETY

- member, interdisciplinary and innovative Faculty Search Committee, 2021-22:
<https://www.bc.edu/content/bc-web/centers/schiller-institute/Schiller-Now/Fall-2022/hiring-committee.html>
- presenter at Board of Regents discussion of Schiller Institute collaborative scholarship, April 2022
- Planning team member for Schiller Institute series on environmental racism, 2020-21

PROGRAM IN ENVIRONMENTAL STUDIES

- Environmental Studies Steering Committee, 2017 –
- Contributor, search for Visiting Assistant Professor, Fall 2021
- Committee on new concentrations, Spring 2019

BC COMMUNITY BROADLY

- Discussant, Core Fellows *Conlatio* conversation, Feb 2022
- 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
- Boston College Grievance Committee, 2021-2023 (*no meetings thus far*)
- 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, Spring 2020

PROFESSIONAL SERVICE since 2013

- American Society for Environmental History (ASEH)
 - Local Arrangements Committee for our COVID-delayed Boston conference, March 2023
 - Organized field trip boat tour to Boston Harbor with the UMass Boston School for the Environment and helped coordinate engagement with local Native communities
 - Together with ASEH Fundraising Campaign, Ambassador Fall 2022-Spring 2023: far exceeded fundraising goal of \$100,000 to put organization on firm financial footing
 - 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; held 2023*)
 - Through 2020, Executive Committee representative on the three-person Harassment Ombudsperson team to address sexual or other forms of harassment at our annual meeting
- American Association for the Advancement of Science, Memberships Engagement Chair (a newly-created position) of Section L, History and Philosophy of Science, 2023-2026

- Women’s Environmental History Network: inaugural co-facilitator for the @envhistwomen Twitter feed, 2019 – ??? (current status under discussion depending on the direction of Twitter)
- Participant and host, weekly writing studio sessions for faculty and graduate students organized by Christopher 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) (also on hiatus)
- Radcliffe Institute for Advanced Study applications reader, 2022, 2019, 2017 (declined 2023 for sabbatical)
- History of Science Society Philip J. Pauly Book Award committee, 2018-21 and chair, 2020-21
- Successfully nominated Kara Swanson for the 2018 Margaret W. Rossiter Prize for the History of Women in Science from the History of Science Society
- 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

AAAS	American Association for the Advancement of Science, 2013 – , Fellow 2022 –
AHA	American Historical Association, 1994 –
ASEH	American Society for Environmental History, 1998 –
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 –
IWSS	Independent Women Scholars Salon, writing group, 2008 – 2020
MHS	Massachusetts Historical Society, Fellow, Fall 2014 –

older materials follow

*** *older materials* ***

SERVICE WORK before 2017

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-convener of informal faculty brown-bag discussion series, Department of History, 2012-14.

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.

ACADEMIC PRESENTATIONS before 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 MEDIA & PUBLIC HISTORY before 2012

- 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.
- “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.

FORMER MEMBERSHIPS

AAHM American Association for the History of Medicine, 1993 – 2020

WHA Western Historical Association, 2011-2017

ICEHOUSE Society

International Consortium of Environmental History Organizations’ Underwriters, Supporters and Enthusiasts, 2020 - 2021