

CONEVERY BOLTON VALENCIUS

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ACADEMIC POSITIONS

- Boston College, Professor, Department of History 2016-
Faculty Affiliate, Schiller Institute for Integrated Science & Society, 2024 - 2026
Steering Committee, Program in Environmental Studies, 2018 -
- University of Massachusetts Boston 2011-16
Associate Professor, 2014-16, and Assistant Professor, 2011-14, Department of History
Affiliate Faculty, 2012-16, and Adjunct Faculty, 2017 - 2020, School for the Environment
- Harvard University 2006-
Department Associate, 2006-, Visiting Lecturer, 2005, 2010-11,
Department of the History of Science
- Washington University in St. Louis 1999-2004
Assistant Professor, Department of History,
American Culture Studies, and Program in Environmental Studies

MAJOR HONORS, FELLOWSHIPS, PRIZES

- National Endowment for the Humanities: Collaborative Research Grant 2023-4
- 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

- *Shaky Ground: 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
 - Supported by “Shaky Ground: The Untold History of the Greatest Earthquake Surge in Modern History,” National Endowment for the Humanities Collaborative Research Grant, Funding Award Number 20221130-RZ, funded Oct 2023: \$107,026.

- “Neponset River History,” \$39,090: 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-Fall 2024.
 - Direct Neponset River Lab of graduate and undergraduate students (2021 –) creating a publicly-accessible map on the environmental history of the Neponset River in collaboration with the Neponset River Watershed Association: <https://neponset.org/mapping-the-neponset-river/>
- “Historical Communities of Massachusetts Waterways: Enhancing the communication between ERDC and Social and Environmental Justice (SEJ) communities through water risk management,” co-PI on a section of “Societal Implications of Water Risk Management projects”, proposal in response to US Army Corps of Engineers (Engineer Research and Development Center), ERDC 23-0025, submitted July 2023, under revision for resubmission April 2024
- “Center Operations: Center for Collective Impact in Earthquake Science”: consulting personnel on proposal under the National Science Foundation program for Centers for Innovation and Community Engagement in Solid Earth Geohazard, for a Center for Collective Impact in Earthquake Science (C-CIES) to research high consequence, low frequency of incidence (HiC-LoFI) earthquakes, with research strategies that emphasize community engagement and broad participation. Lead Institution: University of Texas at El Paso. NSF Program solicitation 24-515, Proposal number, 2425619, submitted Fall 2024
 - Supported by an NSF Track 1 planning grant: “Center for Collective Impact in Earthquake Science (C-CIES): Building Inclusive Excellence, Diversity, Equity, and Community into Earthquake Science,” pilot program funded as a by NSF’s Centers for Innovation and Community Engagement in Solid Earth Geohazards program, PI: Aaron Velasco, Professor of Geological Science at University of Texas El Paso, funded July 2022 (NSF Grant 2225395)

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

- “*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 2018): 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

- Gallery text on energy history and environmental history context for Lynch Collection of nineteenth-century landscape paintings at the McMullen Museum of Art, Boston College. Exhibit opened Oct 2023.
- "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.

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 Kronos, summer 2021 - 2022.

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.
- short reviews in publications ranging from *Journal of the West* to *Annals of Internal Medicine*.
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PUBLIC PRESENTATIONS AND MEDIA (since 2013)

AMERICAN FILM & AMERICAN ENERGY

- Discussion of movies, energy sources, and our new book, *American Energy Cinema*, at the Science History Institute, May 2024.

EARTHQUAKE HISTORY & PRESENT-DAY EARTHQUAKES

- “What do the New Madrid earthquakes have to do with oil and gas drilling? Fracking, earthquakes, and public science,” Science in the Public Square, Washington University in St. Louis, March 2024
- “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, <https://will.illinois.edu/21stshow/program/where-illinois-emissions-come-from-news-podcasts-for-the-summer-midwest-ear> (at 35:04-49)
- Becky Little, “Why It Took Two Earthquakes for San Francisco to Finally Build Smarter,” History.com, 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).

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 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.

SCIENCE AND THE PUBLIC

- “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>.

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).

ADDITIONAL AWARDS AND GRANTS

TEACHING

- Integrative Learning Grant (\$2,000) to support career skills and reflective capacity in new course in which students will use and contribute to Neponset River historical website, from the Center for Digital Innovation in Learning and the University Council on Teaching, Boston College 2025-6
- 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, grant (\$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, WashU 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

Boom: What the History of Science Needs to Know about Shale	Distinguished Lecture, History of Science Society Annual Meeting, Nov 2025
Scary Science: Risk, Danger, and Public Communication	Organizer and moderator, American Association for the Advancement of Science Annual Meeting, Boston, February 2025
“Getting Comfortable in the Basement: Children’s Health, Women’s Work, and Respectability in the Domestic Subterranean, 1850-1930,” by Kirke Elsass	Commentator, Health and the Urban Environment Working Group of the Consortium for the History of Science, Technology, and Medicine
Panel on interdisciplinary collaboration	American Council of Learned Societies Annual Meeting, May 2024
<i>Workshop</i> : How to speak in Excel when you think in couplets: Climate change and the practical work of interdisciplinary collaboration (as well as public talk on fracking and earthquakes, for the same series)	Science in the Public Square, Washington University in St. Louis, March 2024
Center for Collective Impact in Earthquake Science (C-CIES): Building Inclusive Excellence, Diversity, Equity, and Community into Earthquake Science / Transforming Earthquake Science and Engineering Using Collective Impact: The Center for Collective Impact in Earthquake Science (C-CIES)	Aaron A. Velasco, Mariane Karplus, Jeffrey Weidner, Susan Bilek, Mike Brudzinski, John Ebel, Tiegna 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, <ul style="list-style-type: none"> American Geophysical Union, Dec 2023 and Dec 2024 Seismological Society of America, April 2023 American Geophysical Union, Dec 2022
Early Oil Production in Oklahoma and California and Its Possible Relationship to Local Earthquake Activity	John Ebel, Jonathan S. Krones, Conevery Bolton Valencius , Seismological Society of America, April 2023
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
“Earthquakes and End Times: Global Disasters and Apocalyptic Predictions in the Early Modern English Atlantic,” by Jennifer Egloff	Commentator, 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, American Society for Environmental History (ASEH), March 2020, <i>COVIDed</i>
“Engineering, Politics, and Dams” by DC Jackson	Commentator, 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
Water history and the Midwest	Commentator, 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 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”

COMMUNITY AND CAMPUS ENGAGEMENT since 2013

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 away from caricatured Native depiction. In summer 2020, decades of local activism resulted in a new mascot.
 - Recruited current North Quincy High School students for lobbying session with Representative Ron Mariano's office for bill that would prohibit Native American mascots, Aug 2021. Participated in the Nov 2019 Massachusetts Indigenous Legislative Agenda Lobbying Day. Testified before the Massachusetts Legislature education committee, June 2019.
- Participated in Lobby4Rivers, Massachusetts Rivers Alliance and 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 Girl Scouts 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

- Workshop with K-12 teachers using the lower Neponset River to explore place-based learning, Primary Source, Boston, 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, 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 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

PUBLIC HISTORY

- Contributor to EDGI (Environmental Data and Governance Initiative) annotations of Project 2025's *Mandate for Leadership*: <https://envirotatagov.org/project-2025-annotation/>
- 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

- Northeastern University History class, 2025; University of Pennsylvania graduate seminar, 2024; Penn State graduate classes, 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

- 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 -
- Coordinator, Troop 65472, Girl Scouts of Eastern Massachusetts, 2016 – 2024
Honored with the GS USA Appreciation Pin, 2024, for work with our troop.
 - Two Girl Scouts earned Gold Awards in their senior years of high school
 - Two teams earned Silver Awards Jan 2021 for independent projects carried out despite pandemic
 - 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/>
 - 2022-4 projects: college essay workshops, trip to plays "Ada and the Engine" and "Young Nerds of Color," lab tour with women scientists at a biotech firm, tours of 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, multiple service projects
- Panelist at "Grants 101" workshop at the Copley Society of Art, Boston, MA, July 2018

- 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 -

- Panelist at “Teaching During an Election Year,” Excellence in Teaching Day, May 2024
- Mentor Undergraduate Research Fellows, 2018 –
- Founder and member of “Bodies and Places” Graduate Student/Faculty Working Group in the History department (now grad run), 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
- Serve as dissertation committee member for History Department PhD candidates Robin Miller Radner (“Local Theocracies: Joint Religious-Public Schools and the Rise of Disestablishment in Nineteenth-Century America”), Nicholas Beinor, and Kabir Joshi
- 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 mules in 20th-century American culture; 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 playground movement of the early 20th century
 - 2021 Scholar of the College project: Cristina Lee on agricultural subsidies & US food policy
- Serve on PhD oral exams/thesis committees for Meghan McCoy, Nicholas Beinor, Laura Clerx, Kabir Joshi, and Robin Radner, as well as multiple MA candidates, 2020 -
- Designed and taught “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).
- Successfully nominated students for awards in academic excellence by the Morrissey College of Arts and Sciences, 2022, 2023, 2024
- 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.

SCHOOL FOR THE ENVIRONMENT, UMASS BOSTON

2014-16

- Co-taught “Coasts and Communities,” IGERT Program graduate introduction (Spring 2016). Served as advisor, committee member, and thesis advisor for MS students. Guest lectured in 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

- 2006 and 2011 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 of inaugural class of Schiller Institute Faculty Affiliates, 2024-2026
- 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, Fall 2024
- Committee on new concentrations, Spring 2019

BC COMMUNITY BROADLY

- Participant in Compañía Ignatian Pilgrimage of Boston College, June 2024
- Discussant, Core Fellows *Conlatio* conversation, Feb 2022 and March 2025
- 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, Spring 2020

PROFESSIONAL SERVICE since 2013

- American Association for the Advancement of Science, Steering Committee for Section L, History & Philosophy of Science, Membership Engagement Chair, 2023-4 and Nominations and Leadership Chair, 2024-2026
- American Society for Environmental History (ASEH)
 - Local Arrangements Committee member, Boston conference, March 2023: Raised funds and 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 ASEH Annual Meeting (*COVIDed; held 2023*)
 - Executive Committee representative on the three-person Harassment Ombudsperson team to address sexual or other forms of harassment at our annual meeting
- Participant and host, weekly writing studio sessions for faculty and graduate students organized by Christopher Jones, Arizona State University Department of History, 2020 -
- Women's Environmental History Network: inaugural co-facilitator for the @envhistwomen Twitter feed, 2019-2023

- Creator and facilitator for the @USenergyhist Twitter feed for journalists and fellow energy historians (reasonably successfully) and the Powering America Core class (less successfully), 2019-2023
- Radcliffe Institute for Advanced Study applications reader, 2022, 2019, 2017 (*declined 2023 for sabbatical*)
- History of Science Society Philip J. Pauly Book Award committee member, 2018-21 and chair, 2020-21
- Successful nominator: Kara Swanson, 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, Annual Meeting, Boston, Nov 2013
- Center for Philosophy and History of Science, Boston University, Affiliate Member, March 2013 – 2015
- Virginia Institute of Technology mentoring program, senior mentor, 2012-2016
- Earth & Environment Forum of the History of Science Society, Steering Committee member, 2010-12, 2014-16
- Reviewer for journals and presses in U.S. history, the history of medicine, and environmental history (recently, *Seismological Research Letters*, *William and Mary Quarterly*, *Environmental History* and University of Washington 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 -
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 –