

Christopher F. Jones

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ACADEMIC POSITIONS

- Associate Professor, Arizona State University 5/17 – present
▪ School of Historical, Philosophical, and Religious Studies
- Assistant Professor, Arizona State University 8/13 – 5/17
▪ School of Historical, Philosophical, and Religious Studies
- Ciriacy-Wantrup Fellow, University of California, Berkeley 9/11 – 8/13
▪ Postdoctoral Fellowship in Natural Resource Economics and Political Economy
- Postdoctoral Fellow, Harvard University Center for the Environment 9/09 – 8/11
▪ Faculty mentor: Sheila Jasanoff, Kennedy School of Government

EDUCATION

- University of Pennsylvania 9/03 – 8/09
▪ Ph.D., History & Sociology of Science Department (August 2009)
▪ Dissertation: “Energy Landscapes: Coal Canals, Oil Pipelines, and Electricity Transmission Wires in the Mid-Atlantic, 1820-1930”
▪ M.A. History & Sociology of Science (May 2005)
- Stanford University 9/96 – 6/00
▪ B.A.: Philosophy; Minor: Science Technology & Society Studies
▪ Honors Program: Ethics in Society
▪ Elected to Phi Beta Kappa, April 2000

PUBLICATIONS

Books

Immaterial Growth: Energy and Economics in the American Century (manuscript in process)

Routes of Power: Energy and Modern America (Cambridge, Mass.: Harvard University Press, 2014).
Winner, 2015 Edelstein Prize from the Society for the History of Technology.

Articles (single-author)

“Petromyopia: Oil and the Energy Humanities” *Humanities* 5 (2), June, 2016.

“Landscapes of Intensification: Transport and Energy in the U.S. Mid-Atlantic, 1820-1930” *Journal of Transport History* 35 (2), December, 2014: 236-41.

“The British Shaping of America’s First Fossil Fuel Transition.” In “Energy (and) Colonialism, Energy (In)Dependence: Africa, Europe, Greenland, North America,” edited by Clapperton Chakanetsa Mavhunga and Helmuth Trischler, *RCC Perspectives* 2014, no. 5, 27–34.

“Building More Just Energy Infrastructure: Lessons From the Past.” *Science as Culture* 22 (2), June, 2013: 157-63.

“The Carbon-Consuming Home: Residential Markets and Energy Transitions.” *Enterprise & Society* 12 (4), December, 2011: 790-823.

Honorable Mention, 2012 Oxford Journals Article Prize for the best article published in the journal Enterprise & Society in the previous year.

“A Landscape of Energy Abundance: Anthracite Coal Canals and the Roots of American Fossil Fuel Dependence, 1820-1860.” *Environmental History* 15 (3), July, 2010: 449-84.

Winner, 2011 Joel A. Tarr Envirotech Prize for the best article published in the previous eighteen months in the relationships between technology and environment in history.

Articles (co-authored)

“Infrastructure and Democracy” with David Reinecke. *Issues in Science and Technology* 33 (2), Winter, 2017: 24-30.

“History’s Contribution to Energy Research and Policy” with Richard F. Hirsh. *Energy Research & Social Science* 1 (1), March, 2014: 106-11.

“Narrating Fukushima: Scales of a Nuclear Disaster” with Kyoko Sato and Shi-Lin Loh. *East Asian Science, Technology, and Society* 7 (4), December, 2013: 601-23.

“The Social Dimensions of Energy Transitions” with Clark Miller and Alastair Iles. *Science as Culture* 22 (2), June, 2013: 135-48.

“Learning from Fukushima” with Sebastian Pfotenhauer, Kris Saha, and Sheila Jasanoff. *Issues in Science and Technology* 28 (3), Spring, 2012: 79-84.

BOOK REVIEWS

Review of Astrid Kander, Paolo Malanima, and Paul Warde, *Power to the People: Energy in Europe over the Last Five Centuries* (Princeton: Princeton University Press, 2013). *Environmental History* 20 (4), October, 2015: 826-28.

Review of Matthew Huber, *Lifeblood: Oil, Freedom, and the Forces of Capital* (Minneapolis: University of Minnesota Press, 2013). *Economic History Review*, 68 (2), May, 2015: 762-63.

Review of Daniel Yergin, *The Quest: Energy, Security, and the Remaking of the Modern World* (New York: Penguin, 2011). *Environmental History* 17 (3), July, 2012: 655-57.

Review of Benjamin Sovacool, *The Dirty Energy Dilemma: What's Blocking Clean Power in the United States* (Westport, Conn.: Praeger Publishers, 2008). *Technology & Culture* 51 (3), July, 2010: 746-48.

Review of William Hausman, Peter Hertner, and Mara Wilkins, *Global Electrification: Multinational Enterprise and International Finance in the History of Light and Power, 1878-2007* (Cambridge: Cambridge University Press, 2008). *Technology & Culture* 50 (3), July 2009: 698-99.

Review of William Childs, *The Texas Railroad Commission: Understanding American Regulation to the Mid-Twentieth Century* (College Station: Texas A&M University Press, 2005). Published on H-Energy, December 2006.

ONLINE PUBLICATIONS

H-Environment Roundtable Reviews: <https://networks.h-net.org/h-environment>

I am principal editor of the *H-Environment Roundtable Reviews* series, a forum in which three to four colleagues write reviews of recent notable books in the field of environmental history that are posted along with a response from the author. I select the books for review, find suitable reviewers, edit the responses, write an introduction, and disseminate the roundtables. As of August, 2017, I have completed fifteen roundtables and have many more in process.

Aeon Magazine, "New Tech Only Benefits the Elite Until the People Demand More." September 3, 2016. <https://aeon.co/ideas/new-tech-only-benefits-the-elite-until-the-people-demand-more>

Washington Center for Equitable Growth, "Energy Transitions in the United States: Worker Opportunities Past, Present, and Future." March 7, 2016. <http://equitablegrowth.org/report/energy-transitions-in-the-u-s/>

Zocalo Public Square, "There is No Such Thing as a Spill-Proof Way to Transport Oil." June 11, 2015. Reprinted in *Time*, *The Houston Chronicle*, and *Orange County Registrar*. <http://www.zocalopublicsquare.org/2015/06/11/theres-no-such-thing-as-a-spill-proof-way-to-transport-oil/ideas/nexus/>

The Atlantic: "Fraud, Failure, and Frustration: This is the Story of America's First Energy Transition." April 15, 2014. <http://www.theatlantic.com/technology/archive/2014/04/fraud-failure-and-frustration-br-this-is-the-story-of-americas-first-energy-transition/360691/>

Huffington Post: <http://www.huffingtonpost.com/christopher-f-jones>. I have written and posted op-ed columns on matters of energy, environment, and society through the Green section of the Huffington Post.

H-Energy Roundtables. URL: <http://www.h-net.org/~energy/roundtables/henergyroundtables.html>.

- May, 2011: Fukushima Daichii Roundtable. Christopher F. Jones, "Introduction."
- June, 2010: The Gulf of Mexico Oil Spill: Four Historians Comment on the Deepwater Horizon Blowout. Christopher F. Jones, "Defining the Problem."

- January, 2010: Energy Policy and History: What do Energy Historians Have to Tell President Obama About Creating a New Energy Policy for the United States? Christopher F. Jones, “Introduction.”

FELLOWSHIPS & AWARDS

American Council for Learned Societies Fellowship (\$40,000)	1/18 – 12/18
Arizona State Institute for Humanities Research Fellows Program (\$12,000)	8/16 – 5/17
Edelstein Prize for <i>Routes of Power</i> ; awarded to outstanding book published in last three years by the Society for the History of Technology	10/15
ASU College of Liberal Arts and Sciences Seed Funding Grant (\$19,350) with co-PI Eric Wertheimer: “Visualizing the History of Risk in America: A Digital Humanities Project Using Social and Economic Data.”	12/13
Honorable Mention, Oxford Journals Article Prize	4/12
Winner, Joel A. Tarr Envirotech Article Prize	9/11
S.V. Ciriacy-Wantrup Postdoctoral Fellowship, University of California, Berkeley	9/11 – 8/13
USC STS Postdoctoral Fellowship (declined)	3/11
Harvard University Center for the Environment Postdoctoral Fellowship	9/09 – 8/11
Philadelphia Area Consortium for the History of Science Research Fellowship	10/08 – 11/08
Miller Center of Public Affairs Fellowship, University of Virginia	7/08 – 6/09
Teece Fellowship, University of Pennsylvania	6/08 – 9/08
IEEE Life Members’ Fellowship in Electrical History (declined)	4/08
Grant-in-Aid, Hagley Museum & Library	11/07
Earned “pass with distinction” on oral examinations, University of Pennsylvania	9/06
William Penn Fellowship, University of Pennsylvania	9/03 – 6/08
Communicating Within the Curriculum (CWIC) graduate student fellowship	9/05 – 5/06
NSF Graduate Research Fellowship (honorable mention)	3/04
Elected Phi Beta Kappa, Stanford University	4/00

Undergraduate Research Opportunity Grant, Stanford University

6/99 – 9/99

TEACHING

Assistant Professor, Arizona State University

8/13 - present

- Courses: Global Environmental History; Energy Transitions & Sustainability; American Business History; History of Engineering; Introduction to College Teaching.

Instructor, Harvard University

9/10 – 12/10

- Course: Energy and Environment: Paths to Sustainability

Teaching Assistant, University of Pennsylvania

9/04 – 5/07

- Courses: History of American Technology, Perspectives in Global Health, Chinese Science and Medicine

Teaching Assistant, Stanford University, Sophomore College

8/99 – 9/99

- Course: Theory and History of Money

MEDIA APPEARANCES

Marketplace. “What Happens After the Paris Climate Talks?” December 7, 2015. URL:

<http://www.marketplace.org/2015/12/07/sustainability/what-happens-after-paris-climate-talks>

The Show. “ASU Researcher: Pipeline Spills Happen Almost Daily in U.S.” June 18, 2015. URL:

<http://theshow.kjzz.org/content/154759/asu-researcher-oil-pipeline-spills-happen-almost-daily-us>

BackStory with the American History Guys. “In Plain Sight: Stories of American Infrastructure”

June 5, 2015. URL: <http://backstoryradio.org/shows/infrastructure/>

Political Analysis. “What are the Routes of Power?” April 30, 2015. URL:

<http://politicalanalysis.podbean.com/e/political-analysis-what-are-the-routes-of-power-and-howd-we-become-a-carbon-nation-050215/>

All Things Considered. “Even Pickaxes Couldn’t Stop the Nation’s First Oil Pipeline” February 24,

2015. URL: <http://www.npr.org/2015/02/24/388729919/even-pickaxes-couldnt-stop-the-nations-first-oil-pipeline>

Film Documentary (2007): I participated in a television documentary on the Tide-Water pipeline produced by Engstfeld Filmproduction, a German film company. The documentary aired on ZDF (Germany) and ARTE (France) beginning in September 2008.

INVITED TALKS

“Economic Growth on a Finite Planet: Robert Solow, Growth Theory, and the Environment” (University of California, Santa Barbara, May 26, 2017)

“Mid-Atlantic Routes of Power: Energy Transitions Then and Now” (Drexel University, November 15, 2016)

“Routes of Power: Energy Transitions Then and Now” (Carnegie Mellon University, February 20, 2015)

“Routes of Power: the Lehigh Valley in American Environmental History” (Lehigh University, February 19, 2015)

“Energy Technologies in Mind and Matter” (Harvard University Department of History of Science, December 2014)

“The Forgotten King: Coal, Energy, and History” (Harvard University Energy History Project, November 2014)

“Routes of Power: The Politics of Energy Transitions in Modern America” (Brown University, November 2014)

“Routes of Power: Energy and Modern America” (Google, June 2014)

“Energy as Politics” (University of Pennsylvania, Economic History Forum, February 2014)

“Routes of Power: Energy and Modern America” (University of Calgary, Department of History, February 2013)

“Routes of Power: Energy, Environment, and Modern America” (Drew University, History Department, February 2013)

“Routes of Power: Energy, Environment, and Modern America” (Franklin & Marshall College, Environmental Studies Program, February 2013)

“Routes of Power: Energy Transitions in Historical Perspective” (SUNY Stony Brook, Department of Technology & Society, January 2013)

“Routes of Power: Energy, Environment, and Modern America” (Arizona State University, School of Historical, Philosophical, and Religious Studies, January 2013)

“Routes of Power: Historical Perspectives on Energy Transitions” (University of Antwerp, October 2012)

“Energy as Politics: Power and Political Economy in the U.S., 1820-1930” (Cornell University STS Program, April 2012)

“Energy as Politics: Power and Political Economy, 1820-1930” (UC Berkeley Center for Science, Technology, Medicine, and Society, March 2012)

“Infrastructure as Policy” (University of Virginia Miller Center of Public Affairs, Charlottesville, VA, April 2011)

“America’s First Fossil Fuel: Infrastructure, Society, and Energy Transitions” (Arizona State University, April 2011)

“Pipelines of Power: Energy and Society in the 19th Century” (Program on Science, Technology, and Society, Stanford University, Stanford, CA, March 2011)

“Nature Distills Free of Charge’: Oil, Technology, and Environment in the 19th Century” (Lewis Department of Humanities, Illinois Institute of Technology, Chicago, IL, February 2011)

“Rethinking the History of Energy Transitions” (Harvard Kennedy School Energy Technology Innovation Policy Group Seminar, Cambridge, MA, January 2011)

“Pipelines of Power: Oil Landscapes in the Nineteenth Century” (Georgia Tech School of History, Technology and Society Seminar Series, Atlanta, GA, November 2010)

“The Carbon Consuming Home: Residential Markets and Energy Transitions” (Harvard Economic History Tea, Cambridge, MA, November 2010)

“Oil Landscapes: Pipelines, Environment, and Society” (Harvard STS Circle, Cambridge, MA, February 2010)

CONFERENCE PRESENTATIONS

“Future Directions in Energy History” (Roundtable participant and organizer; European Society for Environmental History, Zagreb, Croatia, July 2017)

“Energy, Robert Solow's Economics of Growth, and the Abstraction of Nature” (Social Science History Association, Chicago, IL, November 2016)

“Economic Data and Well-Being: Satisfactions and Discontents” (Western Humanities Alliance, Tempe, AZ, November 2016)

“The Disappearing Natural World: Genealogies of Economics, Growth and Abstraction” (Harvard Historicizing the Economy Workshop, Cambridge, MA, September 2016)

“Robert Solow, Growth Theory, and the Vanishing Natural World” (American Society for Environmental History, Seattle, WA, March 2016)

“Scale and Rigor in the History of Engineering” (ASU Learning Showcase, Tempe, AZ, January 2016)

“Digital Tools for Exploring Fire Insurance and Loss” (Society for the History of Technology, Albuquerque, NM, October 2015)

“Economic Crisis & Political Change” (Arizona Council for History Education, Mesa, AZ, August 2015)

Plenary Participant, “President’s Plenary: Energy Regimes of the Early Republic” (Society for the History of the Early American Republic, July, 2015)

“Harold Hotelling, Energy Depletion, and the Economics of Sustainability” (Science & Democracy Network, June 2015)

“The Forgotten King: Coal, Energy, and History” (Cultures of Energy Conference, Rice University, Houston TX, April 2015)

“Hotelling’s Rule and the Economic Efficiency of Oil Depletion” (American Society for Environmental History, Washington DC, March 2015)

“Networking Nature’s Caprices: Electrification on the Susquehanna River, 1900-1930” (World Congress on Environmental History Conference, Guimarães, Portugal, July 2014)

Roundtable participant, “The Fuel at the Center of it All: New Perspectives on Coal in Industrial America” (Organization of American Historians Conference, Atlanta, GA, April 2014)

Commentator, “Canals in Environmental History: Crossing Geographies and Disciplines” (American Society for Environmental History Conference, San Francisco, CA, March 2014)

“America’s Early Energy Sacrifice Zones” (American Society for Environmental History Conference, San Francisco, CA, March 2014)

Roundtable participant: “Into the Real World: Historians and Public Policy” (Society for the History of Technology Conference, Portland, ME, October, 2013)

“Infrastructure as Policy: Electricity Wires in Historical Context” (Governing Technology: Material Politics and Hybrid Agencies Conference, Stanford, CA, May, 2013)

“The British Shaping of America’s First Energy Transition” (Energy Resources: Europe and Its Former Colonies Conference, Munich, Germany, October 2012)

“Pathways of Power: 19th Century Oil Pipelines Reconsidered” (American Society for Environmental History Conference, Madison, WI, March 2012)

“Making Nature Reliable: Transforming the Susquehanna River” (Society for the History of Technology Conference, Cleveland, OH, November 2011)

“The Genesis of Our Provocations” (Society for the Social Studies of Science Conference, Cleveland, OH, November 2011)

“Energy Transitions Reconsidered” (Science & Democracy Network Annual Meeting, Cambridge, MA, June 2011)

Roundtable Participant, “Energy and Environment: A Global History” (Harvard University, Cambridge, MA, April 2011)

“Energy Transport, Boosters, and the Logic of Intensification” (American Society for Environmental History Conference, Phoenix, AZ, April 2011)

Session Chair, “Strategizing STS” (STS: The Next Twenty Conference, Cambridge, MA, April 2011)

“States of Competition: Geography, Boosters, and Oil Pipelines in the Nineteenth Century” (American Historical Association Conference, Boston, MA, January 2011)

“Governing Energy Systems: Oil Pipeline Policies in Historical Perspective” (Policy History Conference, Columbus, OH, June 2010)

“The Regulation of Muddling Through: Debating the Holtwood Dam, 1939-1954” (Business History Conference, Athens, GA, March 2010)

“Infrastructure and Sustainability: Energy Transportation and the Emergence of a Fossil Fuel Dependent Society” (Society for the Social Studies of Science Conference, Washington, DC, October 2009)

“Pittsburgh’s Lost Energy Hinterland: Oil Flows By Water, Rails, and Pipes, in the 19th Century” (Society for the History of Technology Conference, Pittsburgh, October 2009)

“More Than Which Capitalist Wins” (Business History as Critique Conference, Hagley Museum & Library, Wilmington, DE, May 2009)

“Energy Highways” (Spring Fellows Conference, Miller Center of Public Affairs, University of Virginia, Charlottesville, VA, May 2009)

“Pipeline Power: The Tide-Water Pipeline and American Energy Infrastructure” (Society for the History of Technology Conference, Washington, D.C., October 2007)

“Infrastructure and the Energy System: Historical Perspectives on the Tide-Water Pipeline” (International Summer Academy on Technology Studies, Deutschlandsberg, Austria, August 2007)

Dissertation Colloquium Participant (Business History Conference, Cleveland, May 2007)

“Dangerous Circuitry? Responses to Failures in the U.S. Nuclear Missile Early Warning System” (Society for the History of Technology Conference, Amsterdam, October 2004)

PROFESSIONAL SERVICE

Elected Member, SHOT Editorial Board 10/16 – present

Director of Graduate Studies, History 8/16 – present

Editor, *H-Environment Roundtable Reviews* 2/14 – present

Planning Committee, 2014 ASEH Conference	5/12 – 3/14
Co-convener, Envirotech Interest Group	5/11 – 6/14
Member, Envirotech Travel Grant Committee	5/11 – 4/12
Coordinator, Harvard STS Fellows Group	9/10 – 5/11
Co-organizer, Penn HSS Journal Club	9/06 – 5/09

ARTICLE REVIEWS

Environmental History
Enterprise & Society
Journal of the Early American Republic
Journal of Policy History
Science & Technology Studies
Technology & Culture

GRANT EVALUATIONS

National Science Foundation
Philadelphia Area Consortium for the History of Science

PREVIOUS EXPERIENCE

Manager, SSB Technologies 9/00 – 7/03
▪ Marketing manager for technology start-up company making web sites accessible to people with disabilities.