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## EDUCATION

### University of Pennsylvania

**Ph. D.** History and Sociology of Science, August 2002

**Dissertation:** Speaking for Nature and Nation: Biologists as Public Intellectuals in Cold War Culture

**Fields** completed May 2000 in History of American Medicine, Biology and Society, and American Social History

**M. A.**, History and Sociology of Science, August 1999

### Purdue University

**B. S.**, Biochemistry and Chemistry with honors, 1997

Minors in French and History.

## TEACHING EXPERIENCE

**Science, Medicine, and the Media**, University of Pennsylvania (Seminar, Fall 2008 and 2009)

**Cold War Science and Medicine**, University of Pennsylvania (Research Seminar, Spring 2010)

## EMPLOYMENT

### The Outside Reader ([www.theoutsidereader.com](http://www.theoutsidereader.com))

Editorial and Publishing Consulting

Principal, founded March 2009

### Chemical Heritage Foundation

Associate Director, Roy Eddleman Institute for Outreach and Interpretation, August 2008 to May 2009

Executive Producer, *Distillations* (podcast), November 2007 to May 2009

Editor in Chief, *Chemical Heritage* magazine, April 2006 to May 2009

### Rutgers University Press

Senior Editor, September 2005–February 2006

Editor for the Sciences, January 2003–August 2005

Associate Editor for the Sciences, January 2002–January 2003

### University of Pennsylvania Press

Editorial Assistant, July 2001–December 2001

## BOOKS

*Freedom's Laboratory: The Cold War Struggle for the Soul of Science* (Johns Hopkins University Press, fall 2018).

*Competing with the Soviets: Science, Technology, and the State in Cold War America* (Johns Hopkins University Press, February 2013); winner of the Forum for the History of Science in America's Philip Pauly Prize, 2014; Korean edition published 2017.

## PEER REVIEWED ARTICLES

"The Cold War Context of the Golden Jubilee, Or, Why We Think of Mendel as the Farther of Genetics." *Journal of the History of Biology* 45 (2012): 389–14.

"What It Means To Go Public: The American Response to Lysenkoism, Reconsidered." *HSNS* 40 (2010): 48–78.

"Germs in Space: Joshua Lederberg, Exobiology, and the Public Imagination, 1958-1964," *Isis* 91 (2002): 183–205.

"How Not to Electrocute the Farmer: Assessing Attitudes Toward Electrification on American Farms, 1920-1940." *Agricultural History* 74 (2000): 515–29.

## ESSAYS IN LARGER WORKS

"What's in a Zone? Biological Order vs. National Identity in the Biological Sciences Curriculum Study," in *Global Transformations in the Life Sciences*, ed. by Patrick Manning and Mat Savelli (in press with the University of Pittsburgh Press).

"*Science and Freedom: The Forgotten Bulletin*," in *Campaigning Culture and the Cultural Cold War*, ed. by Giles Scott-Smith and Charlotte A. Lerg (New York: Palgrave Macmillan, 2017).

"The Military-Academic-Industrial Complex and the Path Not Taken," in *The National Security Establishment and the Legacy of Harry S. Truman*, ed. by Ann Heiss and Michael Hogan (Truman State University Press, 2015).

"Nylon 6,6." In *Molecules That Matter*, edited by Raymond J. Giguere. Saratoga Springs: The France Young Tang Teaching Museum and Art Gallery at Skidmore College, 2008.

Entries on six African American chemists and health scientists for the *African American National Biography*, edited by Henry Louis Gates, Jr., and Evelyn Brooks Higginbotham. New York: Oxford University Press, 2008.

Individual entries on James F. Crow; James E. Darnell, Jr.; Rollins A. Emerson; G. D. Karpetchenko; Phoebus Levene; J. Heinrich Matthaei; Franz Moewus; Arthur Pardee; George Harrison Shull; Tracy Sonneborn, and Social Implications of the Human Genome

Project. *World of Genetics*, edited by K. L. Lerner and B. W. Lerner. New York: Gale Cengage, 2001.

“Federal Policy for Biotechnology: Executive Branch: ELSI.” *Encyclopedia of Ethical, Legal, and Policy Issues in Biotechnology*, edited by Thomas J. Murray and Maxwell J. Mehlman, 234-240. New York: Wiley, 2000.

## **NON-ACADEMIC MEDIA (PRINTED, ONLINE, AND SOUND)**

Scriptwriter for episodes 1–6 of *American History Tellers*, a podcast produced by Wondery, January 2018.

[“Who Could Stop War in the Trump Era? These Scientists.”](#) *Washington Post*, November 14, 2016.

[“Why the U.S. Military Still Flies Cold-War Era Planes.”](#) *Atlantic*, October 18, 2016.

[“When Scientists Do What Diplomats Can’t.”](#) *Atlantic*, September 26, 2015.

[“Physics from the Farm.”](#) *Belt*, June 23, 2015.

[“Why Cosmos Can’t Save Public Support for Science.”](#) *Atlantic*, March 11, 2014.

[“Monkeys and moon rovers and Mars, oh my?”](#) *The Guardian’s Political Science blog*, December 23, 2013.

[“Defending Cold War Science.”](#) *Berfrois*, August 28, 2013.

[“Science Diplomacy Works, But Only When It’s Genuine.”](#) *The Guardian’s Political Science blog*, August 23, 2013.

[“1955 Map Shows No-Go Zones for Soviet Travelers.”](#) *Slate.com’s Vault blog*, May 15, 2013.

[“When Agriculture Was a State Secret.”](#) *Modern Farmer blog*, April 28, 2013.

Founder and Executive Producer, *Distillations*, a biweekly podcast of the Chemical Heritage Foundation, 2007–2009. <http://chemheritage.org/distillations>.

Frequent short articles and book reviews for *Chemical Heritage* magazine, Fall 2006–Fall 2009.

“Bentley Glass, Century’s Son,” *Mendel Newsletter*, n.s. 12 (2003). Available online at <http://www.amphilsoc.org/mendel/2003.htm#wolfe>.

## **SELECTED MEDIA APPEARANCES**

Interview on PRI's *The World* (nationally syndicated), on so-called [peaceful nuclear explosions](#) (July 11, 2017).

Quoted source, Andrew Grant, "[Scientists March on Washington and Cities Worldwide.](#)" *Physics Today*, April 25, 2017.

Quoted source, Francie Diep, "[When Did Science Become Apolitical?](#)" *Pacific Standard*, March 13, 2017.

Quoted source, Joshua Emerson Smith, "[What's the Link Between Nuclear Power, Vietnam War, Stem-Cell Research, and Climate Change?](#)" *San Diego Union-Tribune*, April 15, 2017.

Interview on PRI's *The World* (nationally syndicated), on [nuclear weapons](#) (November 25, 2016).

Interview, [The Age of Aerospace](#), episode 4, "In the Vastness of Space," The Documentary Group, nationally broadcast on the Science Channel, the Discovery Channel, and the American Heroes Channel, Spring 2016

Live radio interview on "Radio Times," WHYY, Philadelphia, PA (nationally syndicated via NPR's Sirius XM station), [on science diplomacy](#) (August 19, 2015)

Quoted source, Eanna Kelly, "EU Will Maintain Scientific Ties with Russia Despite Escalating Tensions," *Science|Business*, June 3, 2015.

Interview, "The Mad Men Pre-Game Show," on [1960s technology](#), WNYC, New York, NY, April 3, 2015

## SELECTED REVIEWS

Review of Sarah Bridger, *Scientists at War: The Ethics of Cold War Weapons Research* (Harvard, 2015). H-Diplo, <https://networks.h-net.org/node/28443/reviews/86789/wolfe-bridger-scientists-war-ethics-cold-war-weapons-research>.

"Space History: The Final Frontier?" Review of Yanek Mieczkowski, *Eisenhower's Sputnik Moment: The Race for Science and World Prestige* (Cornell, 2013), and John Krige, Angelina Long Callahan, and Ashok Maharaj, *NASA in the World: Fifty Years of International Collaboration in Space*. *Diplomatic History* 39 (2015): 592-596.

["The Partnership Behind the Pill."](#) Review of Jonathan Eig, *The Birth of the Pill: How Four Crusaders Reinvented Sex and Launched a Revolution* (W. W. Norton, 2014). *C&EN* 92 (September 22, 2014), pp. 32-33.

"Giving Philanthropy a New History." Review of Nick Cullather, *The Hungry World: America's Cold War Battle Against Hunger in Asia* (Harvard University Press, 2010); Inderjeet

Parmar, *Foundations of the American Century: The Ford, Carnegie, and Rockefeller Foundations in the Rise of American Power* (Columbia University Press, 2012); Brent Ruswick, *Almost Worthy: The Poor, Paupers, and the Science of Charity in America, 1877–1917* (Indiana University Press, 2013); and Olivier Zunz, *Philanthropy in America: A History* (Princeton University Press, 2012). *HSNS* 43 (2013): 619–630.

[“The Unloved Naturalist.”](#) Review of Christoph Irscher, *Louis Agassiz: Creator of American Science* (Houghton Mifflin Harcourt, 2013). *C&EN* 91 (May 20, 2013): 35–36.

“The Price of Objectivity.” Review of Mark Solovey, *Shaky Foundations: The Politics–Patronage–Social Science Nexus in Cold War America* (New Brunswick: Rutgers University Press, 2013). *Science* 339 (29 March 2013): 1524–25.

“The Organization Man and the Archive: A Look at the Bentley Glass Papers.” *Journal of the History of Biology* 44 (2011): 147–51.

“Protesting Scientists.” Review of Kelly Moore, *Disrupting Science: Social Movements, American Scientists, and the Politics of the Military, 1945–1975* (Princeton: Princeton University Press, 2008). *Science* 320 (2008): 747.

Review of John Rudolph, *Scientists in the Classroom: The Cold War Reconstruction of American Science Education* (New York: Palgrave, 2002). *Isis* 94 (2003): 767–68.

## **SELECTED INVITED PRESENTATIONS**

Invited speaker to the Department of Defense Analysis, Naval Postgraduate School, Monterey, California, January 30, 2018.

“The Fight for *Science and Freedom*: Recovering the Role of Science in Cold War-Era Cultural Diplomacy.” Invited talk delivered at the HPS Colloquium Series, University of Texas, Austin, April 14, 2017; and New York History of Science Lecture Series, Columbia University, October 26, 2016.

“Communication in Science Diplomacy,” Science Diplomacy Forum, Amman, Jordan, December 2, 2015.

“Hearts, Minds, and Labs: Science as Cold War Cultural Diplomacy.” Invited talk at the Center for the History of Force and Diplomacy (CENFAD), Temple University, September 30, 2014.

“The Freedom to Live a Scientific Life: Anticommunism and the Shaping of American Scientific Identity.” Invited talk at the Bowdoin College “Social Politics and the Cold War” Symposium, May 1–2, 2014.

“The Military-Industrial-Complex.” Invited talk at the Truman Legacy Symposium, Key West, Florida, May 18, 2013.

“Science and Presidential Elections.” Invited public lecture sponsored by the Philadelphia Area Center for the History of Science, Philadelphia, Pennsylvania, October 23, 2012.

### **SELECTED RECENT CONFERENCE SESSIONS**

“What’s in a Zone? Biological Order versus National Identity in the Biological Sciences Curriculum Study.” “The Life Sciences after World War II” Symposium, University of Pittsburgh, May 16–17, 2014.

“Textbook Diplomacy: The Biological Sciences Curriculum Study Abroad.” History of Science Society Meeting, Boston, Massachusetts, November 22, 2013.

“Private to Public: The Apollo-Soyuz Test Project and the Changing Character of American Scientific Diplomacy.” Three Societies Meeting, Philadelphia, Pennsylvania, July 13, 2012.

“Science, Freedom, and the American Way.” Forth Annual U. S. Intellectual History Conference, New York, November 2011; and the International Congress for the History of Science, Medicine, and Technology, Manchester, UK, July 2013.

“The Geneticist and the Archive: Bentley Glass and the Crafting of the Legacy of American Eugenics.” The Study of Eugenics Workshop, Uppsala, Sweden, November 11, 2011.

“The Public Biologist: Media, Politics, and Policy in the Cold War.” International Society for the History, Philosophy, and Social Studies of Biology, Salt Lake City, Utah, July 14, 2011.

“Between Popularization and Policy: Biological Scientists as Public Intellectuals, 1945-1972.” Third Annual U. S. Intellectual History Conference, New York, October 2010.

### **SELECTED FELLOWSHIPS, GRANTS, AND AWARDS**

National Science Foundation, Scholar’s Grant, Program in Science, Technology and Society (\$135,000), 2010–2012

Lounsbery Foundation Program Grant, (*Distillations*, \$62,000), 2007–2008

National Science Foundation Graduate Fellowship, 1997–1999, 2000–2001

Honorary Mellon Fellow in the Humanistic Studies, 1997–1998

### **SELECTED OTHER PROFESSIONAL ACTIVITIES**

Council, History of Science Society (2015–2017)

Editorial Board, *Synthesis*, University of Chicago Press and the Chemical Heritage Foundation, 2007–2016.

Program Committee, Society for the History of Technology, 2012–2014 (Chair, 2013).  
Committee on Research and the Profession, History of Science Society, 2009–2014 (Chair, 2013).  
Council, Forum for the History of Science in America (2012–2014).  
Nominating Committee, Section L (History of Science), American Association for the Advancement of Science, 2008–2011.  
Committee on Honors and Prizes, History of Science Society, 2006–2009 (Chair, 2008–2009).

## **PROFESSIONAL MEMBERSHIPS**

History of Science Society  
National Association of Science Writers  
National Book Critics' Circle  
Society for the History of American Foreign Relations