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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

Areas of interest include history of medicine, history of biology, 20th century American history, and the Cold War

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)

EMPLOYMENT

The Outside Reader (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.

FELLOWSHIPS, GRANTS, AND AWARDS

Lounsbery Foundation Program Grant, (*Distillations*, \$62,000), 2007–2008
National Science Foundation Graduate Fellowship, 1997–1999, 2000–2001
Othmer Student, Chemical Heritage Foundation, Summer 2000.
William Penn Graduate Fellowship, University of Pennsylvania, 1999–2000
Honorary Mellon Fellow in the Humanistic Studies, 1997–1998

PEER REVIEWED ARTICLES

“What It Means To Go Public: The American Response to Lysenkoism, Reconsidered.” *HSNS*, in press, scheduled for publication Winter 2010.

“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): 515–529.

REVIEWS

“Unsafe at any Speed.” Review of Nicolas Rasmussen, *On Speed: The Many Lives of Amphetamines* (New York: New York University Press, 2009). *C&EN* 87 (29 June 2009): 34–35.

“Faulty Transmission.” Review of Marcel C. LaFollette, *Science on the Air: Popularizers and Personalities on Radio and Early Television* (Chicago: University of Chicago Press, 2008). *Science* 323(2009): 584–585.

“Innovators and Iconoclasts.” Review of Oren Harman and Michael R. Dietrich, *Rebels, Mavericks, and Heretics in Biology* (New Haven: Yale University Press, 2008). *American Scientist* 97 (January/February 2009): 77–78.

“The Organisms That Made It All Possible.” Review of Jim Endersby, *A Guinea Pig’s History of Biology* (Cambridge: Harvard University Press, 2007). *American Scientist* 96 (September/October 2008): 423–424.

“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): 767–768.

Review of Franklin W. Stahl, ed., *We Can Sleep Later: Alfred D. Hershey and the Origins of Molecular Biology* (Cold Spring Harbor: Cold Spring Harbor Laboratory Press, 2000). *Isis* 93 (2002): 133.

Review of Shane Crotty, *Ahead of the Curve: David Baltimore's Life in Science* (Berkeley: University of California Press, 2001). *Journal of the History of Biology* 34 (2001): 615–616.

Review of Allan A. Needell, *Science, Cold War, and the American State: Lloyd V. Berkner and the Balance of Professional Ideals* (Amsterdam: Harwood Academic Publishers, 2000). *History and Technology* 17 (2001): 389–392.

“Physics, Meet Fiction.” Review of John Canaday, *The Nuclear Muse: Literature, Physics, and the First Atomic Bomb* (Madison: University of Wisconsin Press, 2000). *Metascience* 2002.

Microreview of Edward Teller, *Memoirs: A Twentieth-Century Journey in Science and Politics* (New York: Perseus, 2001). *Boston Review*, December 2001/January 2002.

“ELSI's Revenge.” Essay review of Lily Kay, *Who Wrote the Book of Life? A History of the Genetic Code*; Celeste Michelle Condit, *The Meanings of the Gene: Public Debates About Human Heredity*; Phillip R. Sloan et. al., *Controlling Our Destinies: Historical, Philosophical, Ethical, and Theological Perspectives on the Human Genome Project*; and James D. Watson, *A Passion for DNA: Genes, Genomes, and Society*. *Journal of the History of Biology* 34 (2001): 183-193.

“Culturing American Life.” Review of Philip J. Pauly, *Biologists and the Promise of American Life* (Princeton: Princeton University Press, 2000). *Science* 291 (2001): 1907-1908.
Review of Herbert Gottweis, *Governing Molecules: The Discursive Politics of Genetic Engineering in Europe and the United States* (Cambridge: MIT Press, 1998). *Journal of the History of Biology* 33 (2000): 189-191.

Review of Ulf Lagerkvist, *DNA Pioneers and Their Legacy* (New Haven: Yale University Press, 1998). *Science Education* (Summer 2000): 682-684.

OTHER PUBLISHED WORKS

“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.

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

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.

“The Gene Cure.” *Lawrentian*, Spring 2005. (Feature article on five alumni of the Lawrenceville School.)

Website biographies of twelve industrial chemists for the Chemical Heritage Foundation, Spring 2001.

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.

PRESENTATIONS AND CONFERENCE SESSIONS

Invited Panel Speaker, “Careers in Chemistry Symposium,” Rider University, May 2, 2009.

Session Organizer, “From Drake’s Wells to Solar Cells,” American Association for the Advancement of Science, Chicago, Illinois, February 2009.

Invited Panel Speaker, Roundtable/Workshop on “Electronic Scholarship and the History of Science, Technology, and Medicine,” History of Science Society, Pittsburgh, Pennsylvania, November 2008.

“Learning from Lysenko.” Chemical Heritage Foundation Brown Bag Lunch Series, September 25, 2007.

Invited Panel Speaker on Publishing, Rochester Institute of Technology, 2002.

Invited Panel Speaker, Session on “Editorial Firefighting,” Association of American University Presses, Tampa, Florida, June 2002.

“Biology and Liberty for All: The Biological Sciences Curriculum Study.” Invited talk at the University of Delaware Brown Bag Lunch Seminar, April 9, 2002.

“Biology and Liberty for All: The Biological Sciences Curriculum Study.” Presented at the History of Science Society Meeting, Denver, Colorado, November 9, 2001.

“Ensuring Scientific Validity: American Life Scientists in National Space Policy, 1958-1962.” Presented at the Cold War Science, Technology and Medicine: Global Perspectives Conference, Philadelphia, November 2000.

“Protecting Turf (Literally): Negotiating the Meanings of Exobiology at the Dawn of the Space Age.” Presented at the History of Science Society Meeting, Vancouver, November 2000.

“Exobiology, Space Science, and American National Prestige, 1957-1962.” Invited talk at the Chemical Heritage Foundation Brown Bag Lunch Series, September 25, 2000.

“It Came From Mars: The Rhetorical Construction of Exobiology as the Life Science of Space.” Presented at the Joint Atlantic Seminar for the History of Biology, Princeton, New Jersey, April 2000.

Commentary on Daniel Kevles, “Patenting Human Genes: The Advent of Ethics in the Political Economy of Patent Law.” Delivered at the Max-Planck-Institut für Wissenschaftsgeschichte Summer Academy on Science, Technology and the Law, Berlin, August 1999.

“ ‘How Not to Electrocute the Farmer’: Assessing Attitudes Towards Electrification on American Farms, 1920-1940.” Presented at the 80th Annual Agricultural History Society Meeting, Mississippi State, Mississippi, June 1999.

“Of Body Fluids and Biotechnology: Control of Human Cells and the Law.” Presented at the Joint Atlantic Seminar in the History of Biology, Philadelphia, Pennsylvania, April 1999.

“The Human Genome Diversity Project and Traditions of Salvage Anthropology.” Presented at the 30th Annual CHEIRON Society for the History of the Social Sciences Meeting, San Diego, California, June 1998.

OTHER PROFESSIONAL ACTIVITIES

Committee on Honors and Prizes, History of Science Society, 2006–2009 (Chair, 2008–2009).

Guest “Speaker” on Careers in Academic Publishing, WRK4US Listserv, June 2002. Entire discussion archived at:
http://www.woodrow.org/phd/WRK4US/WRK4US_Discussion_Index/academic_publishing.html.

Conference Coordinator, Cold War Science, Technology, and Medicine: Global Perspectives, November 2000. Selected and organized twenty papers for a two-day academic conference, arranged conference logistics, publicized the event, and supervised subcommittees and volunteers.

Co-organizer, Second Annual Mid-Atlantic Graduate Conference in the History of Science, Medicine, and Technology, University of Pennsylvania, August 6-8, 1999. Organized and publicized program for a three-day graduate student conference.

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science
American Association for the History of Medicine
History of Science Society
National Association of Science Writers
Society for the History of Technology