

Ken Alder
Curriculum Vitae, January 2020

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ACADEMIC POSITIONS

2003 - present	Milton H. Wilson Professor in the Humanities, Northwestern University.
2003 - present	Professor of History, Northwestern.
2019 - present	Director, Science in Human Culture Program, Northwestern.
2014 - 2017	Department Chair, Department of History, Northwestern.
1994 - 2014	Founding Director, Science in Human Culture Program, Northwestern.
1999 - 2003	Harold and Virginia Anderson Outstanding Teaching Professor, Northwestern.
1997 - 2003	Associate Professor of History, Northwestern.
1991 - 1997	Assistant Professor of History, Northwestern.

EDUCATION

1991, Ph.D.	Harvard University. History of science.
1981, A.B.	Harvard University. Honors physics. Phi Beta Kappa. National Merit Scholar.

VISITING SCHOLAR

2018 Fall	Max Planck Institute for the History of Science, Berlin.
2017 - 2018	Department of History, New York University.
2015 Summer	Max Planck Institute for the History of Science, Berlin.
2013 - 2014	Department of History, New York University.
2012 Spring	Ecole des Hautes Etudes en Sciences Sociales, Paris.
2010 - 2011	Department of History, New York University.
2001 - 2002	American Bar Foundation, Chicago.
1999 - 2000	Centre de Sociologie de l'Innovation, Ecole des Mines, Paris.

HONORS, PRIZES

Fellow of the American Academy of Arts & Sciences, Cambridge, Mass., elected class of 2012.

E. Le Roy Hall Award for Teaching Excellence, awarded annually to one senior faculty member in Northwestern's Weinberg College of Arts & Sciences, 2010-11.

Kagan Prize from The Historical Society, for The Measure of All Things, co-winner for the best book in European history, 2004.

Davis Prize from the History of Science Society, for The Measure of All Things, winner for the best book for a general audience in the history of science, 2003.

Dingle Prize from the British Society for the History of Science, for The Measure of All Things, winner for the best book in the history of science, 2003.

Dexter Prize (now Edelstein Prize) from the Society for the History of Technology, for Engineering the Revolution, winner for the best book in the history of technology, 1998.

GRANTS, FELLOWSHIPS

Alice Kaplan Institute for the Humanities, Northwestern, Fellowship, [2019-20].
John Simon Guggenheim Memorial Fellowship, 2010-11.
National Science Foundation (NSF) Scholar's Award: Program in Science, Technology, and Society; and
Program in Law and Social Sciences, 2008-09.
American Bar Foundation, Chicago, Senior Fellow, 2001-02.
National Science Foundation (NSF) Scholar's Award: Program in Science and Technology Studies, 1997-2000.
National Endowment for the Humanities (NEH) Fellowship, Newberry Library, Chicago, 1997-98.
Henry M. Phillips Research Grant in Jurisprudence, American Philosophical Society, Summer 1997.
University Research Grant, Northwestern, Summer 1995.
Kaplan Center for the Humanities Fellowship, Northwestern, 1994-95.
Whiting Graduate Fellowship in the Humanities, Harvard, 1990-91.
Mellon Graduate Fellowship in the Humanities, 1988-89.
National Science Foundation Graduate Fellowship, 1984-87.
Fulbright Fellowship, Ecole Polytechnique Fédérale, Lausanne, Switzerland, 1982-83.

I. PUBLICATIONS

SCHOLARLY BOOKS

The Lie Detectors: The History of an American Obsession.

New York: The Free Press, 2007. Paperback edition: Lincoln, Neb.: Bison Press, 2009.
Japanese edition: 嘘発見器よ永遠なれ. Tokyo, Hayakawa, 2008. With original preface.

The Measure of All Things: The Seven-Year Odyssey and Hidden Error that Transformed the World.

New York: The Free Press, 2002; paperback, 2003.
London: Abacus/Time Warner Books, 2002; paperback, 2004.

- Foreign language editions:

French: Mesurer le monde, 1792-1799, l'incroyable histoire de l'invention du mètre. Paris: Flammarion, 2005. Pocketbook edition, 2008.
Italian: La misura di tutte le cose: L'avventurosa storia dell'invenzione de sistema metrico decimale. Milan: Rizzoli, 2002.
Dutch: De Maat van alle Dingen: De Zevenjarige zoektocht naar de Universele Meter. Amsterdam: Ambo/Anthos, 2003.
German: Das Mass der Welt: Die Suche nach dem Urmeter. Munich: Bertelsmann, 2003; paperback 2005.
Portuguese: A medida de todas as coisas: A odisséia de sete anos e o erro encoberto que transformaram o mundo. Rio de Janeiro: Objetiva, 2003.
Norwegian: Alle Tings Mål: Den Syv Ar Lange Odysseen Og Den Skjulte Feilen Som Forandret Verden. Oslo: Cappelen, 2003.
Spanish: La Medida de Todas las Cosas: La Odisea de Siete Años y el Error Oculto que Transformaron el Mundo. Madrid: Santillana, 2003.
Swedish: Världens Mått: Berättelsen om hur Metersystemet Förändrade Världen. Stockholm: Norstedts, 2003.
Chinese (simple characters): 万物之尺. Beijing: HuaWen, 2004.
Chinese (complex characters): 萬物的尺度. Taiwan: Owl/Cite Publishing, 2005; reprint, 2009.
Japanese: 万物の尺度を求めて. Tokyo: Hayakawa 2006.
Hebrew: מידה לפי הכוול. Tel Aviv: Kinneret-Zmora, 2007.

- **Prizes/Honors:**

Co-winner of the Kagan Prize from The Historical Society for 2002-03

Winner of the Davis Prize from the History of Science Society for 2002; citation in Isis 95 (2004): 263.

Winner of the Dingle Prize from the British Society for the History of Science for 2001-02.

Shortlisted for The Longmann/History Today Prize, 2002.

Runner-up, best science book of year, 2004, Buchjournal [Germany], December 2004.

Winner of the 2005 Prix de la Traduction Pierre-François Caillé from the Société Française des Traducteurs, for the French translation by Martine Devillers-Argouac'h.

Cited as a "Notable Book" for 2002 by The New York Times, The Economist, Discover Magazine, Book Sense, Library Journal, The Sunday Times (London), The Sunday Telegraph, Granta, and The Spectator.

Engineering the Revolution: Arms and Enlightenment in France, 1763-1815.

First edition: Princeton: Princeton University Press, 1997; paperback edition, 1999.

Second edition: Chicago: University of Chicago Press, 2010.

- **Prizes/Honors:** Winner of the 1998 Dexter/Edelstein Prize of the Society for the History of Technology, citation in Technology & Culture 40 (1999): 623-24.

- **Major review essays:** C. C. Gillispie, Technology & Culture 39 (1998): 742-54; Myles Jackson, Journal of Modern History 71 (1999): 902-13; Donald MacKenzie, London Review of Books (12/11/97):18-19; Terry Shinn, Social Studies of Science 29 (1999): 135-44.

CURRENT BOOK PROJECTS

A History of Artificial Beings

This project takes up the history of material artifacts to interrogate the social life of particular "things," among them: a Mesopotamian balance weight, a musket traded for a slave on the West African coast in 1730, a volume of *Erewhon* in the NYPL, Marie Curie's bicycle, Salvador Dali's 10 Lobster Telephones, the Unabomber's typewriter, and plus a few others. The project draws its inspiration from the "it narratives" of the late eighteenth-century. It asks: How can re-framing a history around a particular object re-center our histories of people and social structures... and the history of technology?

The Forensic Self: Science and Law since the Seventeenth Century

This project tracks the history of the forensic sciences from the Renaissance to the present so as to examine the changing ways in which the self has been made answerable before the law, history, and society. It traces the way that individual, historical, and racial/group identities have been sustained and disrupted by techniques of bodily identification in Anglo-American and French-Continental legal systems. The first fruit of this project was the publication in 2007 of my book, *Lie Detectors*.

NOVELS

The Anti-Faust: A Novel. Manuscript available.

The White Bus: A Novel. New York: St. Martin's Press, 1987.

SCHOLARLY ARTICLES

- “The Forensic Self: Expert Identification and the History of Script Culture in France from the Counter-Reformation to the Dreyfus Affair,” Hans Rausing Lecture, Uppsala University, Sweden, in Savlia småskrifter [2020].
- “History of Science as Oxymoron: From Scientific Exceptionalism to Episcience,” Isis 104 (2013): 88-101. Centenary edition, “Focus Section on the Future of the History of Science.”
- “Scientific Conventions: International Assemblies and Universal Standards,” pp. 19-40, in Mario Biagioli and Jessica Riskin, eds., Nature Engaged: Science in Practice from the Renaissance to the Present (London: Palgrave Macmillan, 2012; paperback edition, 2015). CHOICE book.
- “Thick Things: Introduction” and “America’s Two Gadgets: Of Bombs and Polygraphs,” Isis 98 (2007): 80-83, 124-37. Guest-editor, with an introduction and essay for a Focus Section on the history of technology.
- “It’s Not About France.” In Why France?, pp. 189-210. Ed. Laura Lee Downs and Stéphane Gerson. Ithaca: Cornell University Press, 2006. French translation: “La France n’y est pour rien,” In Pourquoi la France? Paris: La Seuil, 2007.
- “History’s Greatest Forger: Science, Fiction, and Fraud along the Seine.” Critical Inquiry 30 (2004): 702-16. German translation: “Der Grösste Fälscher der Geschichte.” Sinn und Form 57 (2005): 748-64.
- “A Social History of Untruth: Lie Detection and Trust in Twentieth-Century America.” Representations 80 (2002): 1-33.
- “The History of Science, Or, an Oxymoronic Theory of Relativistic Objectivity.” In A Companion to Western Historical Thought, pp. 297-318. Ed. Lloyd Kramer and Sarah Maza. London: Blackwell, 2002.
- “French Engineers Become Professionals, Or, How Meritocracy Made Knowledge Objective.” In The Sciences in Enlightened Europe, pp. 94-125. Ed. William Clark, Jan Golinski, and Simon Schaffer. Chicago: University of Chicago Press, 1999.
- “To Tell the Truth: The Polygraph Exam and the Marketing of American Expertise.” Historical Reflections 24 (1998): 487-525.
- “Stepson of the Enlightenment: The Duc Du Châtelet, The Colonel Who ‘Caused’ the French Revolution.” Eighteenth-Century Studies 32 (1998): 1-18.
- “Making Things the Same: Technological Representation, Manufacturing Tolerance, and the End of the Old Régime in France.” Social Studies of Science 28 (1998): 499-545.
- “Innovation and Amnesia: Engineering Rationality and the Fate of Interchangeable Parts Manufacturing in France.” Technology and Culture 38 (1997): 273-311.
- “A Revolution to Measure: The Political Economy of the Metric System in France.” In Values of Precision, pp. 39-71. Ed. M. Norton Wise. Princeton: Princeton University Press, 1995.

OTHER ARTICLES

- “Mètre,” Encyclopédie historique de la civilisation européenne, ed. Daniel Roche. Paris: Editions Acte Sud, 2018.
- “The Golden Lasso: Wonder Woman and the Birth of the Lie Detector,” Cabinet: A Quarterly of Art and Culture 33 (2009): 66-67.
- “Le mètre et le méridien,” Libération (8/13/06): i-iii.
- “Der heisse Stuhl,” NZZ-Folio, the magazine of the Neue Zürcher Zeitung, Zürich (8/06): 26-31.
- “Der Meter misst keinen Meter!” NZZ-Folio, the magazine of the Neue Zürcher Zeitung, Zürich (2/05): 22-25.
- “The Measure of the World.” The Dibner Library of the History of Science and Technology. Washington, DC: Smithsonian Institution Libraries, 2004.
- “La démesure du mètre.” La Recherche 13 (October-December, 2003): 16-21. Reprinted in L’histoire des nombres, pp. 167-77. Paris: Tallandier, 2007.
- “Europe’s Rulers.” Times Educational Supplement (11/8/02): 12-15.
- “Lecture: *La misura di tutte le cose*,” in Corriere della Sera (8/21-9/2/02).

- "The Mismeasure of All Things." American Heritage of Invention and Technology (Fall 2002): 38-44.
- "Weights and Measures." In The Oxford Encyclopedia of Economic History. Ed. Joel Mokyr. Oxford: Oxford University Press, 2003.
- "Interchangeable Gunlocks and Technological Memory" Revue Scientifique et Technique de la Défense, 2002. Ed. Dominique Pestre and Patrice Bret.
- "Les tours et détours du détecteur de mensonge." La Recherche 341 (4/01): 48-53. Reprinted in La Recherche, hors-series 8 (July/Sept. 2002): 60-65. Spanish edition: "Las mentiras del detector de mentiras," Mundo Científico 224 (5/01): 58-63.
- "Michel Chasles, ou l'illusion envoûtante." Les Cahiers de science et vie 58 (Aug.-Sept. 2000): 4-11.
- "Les mathématiques de l'artilleur dans la grand *Encyclopédie*." Les Cahiers de science et vie 47 (Oct. 1998): 48-52.
- "Do Guns Have Politics? A Reply to Charles Gillispie." Technology and Culture 39 (1998): 742-54.
- "L'amnesie des armuriers français." La Recherche 308 (April 1998): 78-84.
- "The Metric of Revolution: A Social History of the Metric System." Proceedings of the Western Society for French History 21 (1994): 95-105.
- "The Perpetual Search for Perpetual Motion," American Heritage of Invention and Technology (Summer 1986): 58-63.

REVIEWS

- "Clearer Than Truth: The Polygraph and the American Cold War," by John Philipp Baesler, American Historical Review, [2020].
- "1001 Grams," a film by Bent Hamer, in H-France, October 2016, <http://h-france.net/ffffh/maybe-missed/universal-measures-1001-grams/>
- "Science INC. On Mediating Stephen Hawking," Los Angeles Review of Books, 10 Jan. 2015. <http://lareviewofbooks.org/review/science-inc-mediating-stephen-hawking>
- "*The Truth Machine: A Social History of the Lie Detector*, by Geoff Bunn," Isis 104 (2013): 170.
- "*Un astronome des lumières: Jérôme Lalande*, by Simone Dumont," Isis 100 (2009): 400-401.
- "*Measuring the World*, by Daniel Kehlman," American Scientist 95 (May-June, 2007): 273-74.
- "*Pierre Simon Laplace, 1749-1827, A Determined Scientist*, by Roger Hahn." Times Higher Education Supplement (4/7/06): 22-23.
- "*Une histoire de la Méridienne*, by Jean-Pierre Martin." Isis 92 (2001): 753-54.
- "*French Engineers and Architects in the Age of Enlightenment*, by Antoine Picon." Technology and Culture 41 (2000): 588-589.
- "*Engineering Labour: Technical Workers in Comparative Perspective*, edited by Peter Meiksins and Chris Smith." Journal of Economic History 58 (1998): 620-21.
- Review Essay: "*Labour, Science and Technology in France, 1500-1620*, by Henry Heller; *Vauban*, by Anne Blanchard; and *Constructing a Bridge: An Exploration of Engineering Culture, Design, and Research in Nineteenth-Century France and America*, by Eda Kranakis." Journal of Modern History 70 (1998): 691-95.
- "*The Closed World: Computers and the Politics of Discourse in Cold War America*, by Paul N. Edwards." Journal of American History 84 (1997): 1130-31.
- "*The World of the Paris Café: Sociability among the French Working Class, 1789-1914*, by W. Scott Haine." Labor History 38 (1997): 376-77.
- "*Science, Industry, and the Social Order in Post-Revolutionary France*, by Robert Fox." Technology and Culture 38 (1996): 836-38.
- "Unlikely Contrivances: *Zipper* by Robert Freidel," Science 264 (13 May 1994): 994-96.

II. PUBLIC PRESENTATIONS

PLENARY LECTURES

- “College Convocation: The World’s Measure,” Ginnell College, Iowa, 14 March 2019.
- “Mesures révolutionnaires: Les origines du système métrique,” Académie des sciences (Paris), Colloque: “Changeons d’étalon,” 4 December 2018.
- “The Forensic Self: Proving Identity from the Counter-Reformation to the Dreyfus Affair,” Hans Rausing Lecture, Uppsala University, Sweden, 15 October 2018.
- “Everyone’s Autobiography of Gertrude Stein.” Distinguished Lecture in the History of the Human Sciences, History of Science Society Meeting, Chicago, 8 November 2014.
- “A Biography of Marie Curie by Her Bicycle.” Plenary lecture and panel organizer, “New Forms for Old Things,” Annual meeting of the History of Science Society, Boston, 21 November 2013.
- “Scientific Conventions: International Assemblies and Universal Standards.” George Sarton Memorial Lecture of the History of Science Society, American Association for the Advancement of Science (AAAS), Chicago, 15 February 2009.
- “The Measure of All Things.” Colloquium of the National Institute of Standards and Technology (NIST), Gaithersburg, MD, 14 March 2008.
- “Mesurer le monde.” Public lecture, Conservatoire Nationale des Arts et Métiers, Paris, 7 April 2005.
- “The Measure of the World.” Annual Dibner Library Lecture, National Museum of American History, 4 November 2003. Published as The Measure of the World (Washington DC: Smithsonian Institution Libraries, 2003).

INVITED SCHOLARLY TALKS—SINCE 2010

- “Engineering the Revolution,” McCormick School of Engineering, Whole-Brain Leadership Seminar, 17 April 2019.
- “Pathfinder’s Lecture,” Max Planck Institute for the History of Science, 28 November 2018.
- “The Measure of All Things: How Technical Standards Came to Rule the World,” Northwestern Atomic and Nanoscale Characterization Experimental Center, 28 July 2017.
- “The Duc Du Châtelet and the Cause of the French Revolution,” Napoleonic Historical Society, Chicago, 10 September 2016.
- “The Lie Detector and the Forensic Self,” Osaka University, March 2016.
- “Capitalism and the Anthropocene,” Comment on session of the Newberry Seminar of Capitalism, 9 October 2015.
- “The Blunderbuss and the Fortunate Slave,” Workshop on “Guns & History: Did Guns Make the Modern World?” History Department, Stanford University, 17 November 2015.
- “The Autobiographies of an Artifact: ‘Erewhon Loves Frankenstein,’” Plenary Lecture, Max Planck Institute for the History of Science, 25 June 2015.
- “The Gun and the Slave,” Material Culture Workshop on “Translating Vitalities,” Seattle, 29 August 2014.
- “The Machine Memoirs: A History of Artificial Beings.” History of Science Department Colloquium, Harvard University, Cambridge, 25 March 2014.
- “The Measure of All Things.” Physics Department Colloquium, MIT, Cambridge, 20 March 2014.
- “Do Artifacts Still Have Politics? History and the History of Technology.” History of Science, Medicine, and Technology Colloquium Series, New York University, 5 December 2013.
- “Do Artifacts Still Have Politics?” HPOL Colloquium, Drexel University, Philadelphia, 3 December 2013.
- “Thick Things: Science and Technology as Performance,” Workshop on “Materialities, Texts, and Images,” Caltech/Huntington Library, Pasadena, 10-11 May 2013.
- “The Measure of the World: The Origin of the Metric System and Our Scientific Values.” Committee on the History and Philosophy of Science, University of Colorado-Boulder, 29 April 2013.

- “Episcience and the End of Scientific Exceptionalism,” Science and Technology Studies Program Seminar, Brown University, Providence, 3 April 2013.
- “How Social Psychology Has Transformed America—and Its Laws,” Colloquium of the Equal Employment Opportunity Commission/Office of Civil Rights, Chicago Offices (with video conference to Milwaukee and Minneapolis offices), 16 January 2013.
- “The Novelty of Novelty: The Origins of Technological Change,” Ryan Learning for Life Lecture Series on Technology, Northwestern University, Chicago, 19 September 2012.
- “Conventions scientifiques: Conférences internationales et normes techniques de la République des lettres à la science internationale,” Seminar talk for Les frontières mouvantes de la science : une histoire, XVIIIe-XXe siècle, Ecole des Hautes Etudes en Sciences Sociales, Paris, 29 May 2012.
- “Lire les caractères: L’expertise en écriture et l’identité française, du Massacre de la Saint-Barthélemy à l’Affaire Dreyfus,” Seminar talk for Les frontières mouvantes de la science : une histoire, XVIIIe-XXe siècle, Ecole des Hautes Etudes en Sciences Sociales, Paris, 22 May 2012.
- “The Lie Detectors: The History of an American Obsession,” Chicago Humanities Festival, 16 October 2011.
- “Measuring the World: A Historical Perspective on Scientific Values.” Joint Molecular Biosciences Graduate Student Association, UMDNJ-Rutgers University, New Brunswick, 26 April 2011.
- “The Forensic Self: Identity and Identification in France.” Seminar series in the History of Science and Technology, University of California at Berkeley, 10 May 2010.
- “Reading Characters: Identity and Identification in France.” Seminar series in the History Department, University of British Columbia, Vancouver, 8 April 2010.

CONFERENCE PRESENTATIONS—SINCE 2010

- “Commentator: Standards and Power, at Home and Abroad,” Organization of American Historians, [2 April 2020], Washington DC.
- “A Biography of Marie Curie by Her Bicycle,” Annual Conference of the French Historical Studies Society, Boston, 4-6 April 2013.
- “History of Science as Means: Mediating the Materialist and Political Histories of the French Revolution,” Roundtable on science and the French Revolution, Annual Conference of the French Historical Studies Society, Boston, 4-6 April 2013.

PUBLIC MEDIA APPEARANCES (SELECTIONS)

Select public engagements and radio/tv/film interviews for The Lie Detectors, 2003-present:

- Interview: “Verbatim,” The Chronicle of Higher Education, 17 January 2003, p. A12
- Radio shows on American networks like NPR, including NY-Leonarde Lopate, DC-Diane Rehm, Chicago-848, and National-Bob Edwards; plus such foreign shows like BBC4 and BBC World Service.
- TV/film: C-SPAN2 Book TV, “Lie Detectors,” and Forenskik, Propellerfilm, for RTE, Germany, 2009.

Select public engagements and radio/tv/film interviews for The Measure of All Things, 2002-present:

- Talks in book stores and corporate offices in New York, Chicago, San Francisco, Seattle, Madison, Washington DC, Ann Arbor, Minneapolis, Denver, Toronto, London, Dublin, Madrid, Amsterdam, Stockholm, Göteborg (book fair), Oslo, and Paris.
- Radio shows on NPR (US), CBC (Canada), BBC (UK), ABC (Australia), RTE (Ireland); Spanish national radio; Swedish public radio; Norwegian public radio; and RFI and Europe 1 (France) in French.
- TV/Film: Consultant for film, “The Last Artifact,” 2018-20, funded by National Institute of Science and Technology; CSPAN-2 “Book TV”; “Méchain and Arago in Mallorca,” La Periferica, Catalan Public Television, 2009; episode of “Mission X” series, Engstfeld Films on German SDF and French Arte.

III. PROFESSIONAL SERVICE

SCHOLARLY SOCIETIES

History of Science Society (HSS):

- Executive Council (elected office, three-year term), 2005-08.
- Local Arrangements Host, Chicago, 2013-14.
- Meetings and Programs Committee, 2013-17.
- Nominations Committee, chair, 2010-11.
- Publications Committee, 2008-10; chair, 2009-10.
- Program Committee, Co-chair, 2007-08.

Society for the History of Technology (SHOT):

- Executive Council (elected office, three-year term), 2004-2007.

Dibner Collection, Advisory Committee (three-year term), Huntington Library, 2008-10.

Member: HSS, SHOT, American Historical Association, French Historical Society.

PEER REVIEW ACTIVITIES

Grant reviews:

- Guggenheim Foundation, History of science, field-wide reviewer, three years.
- ACLS, Review committee for graduate dissertation fellowship, 2015.
- Dibner Fellowships, Review committee for Huntington Library fellowships, three years, 2008-2011.
- National Science Foundation, Review committee for Science, Technology, and Society Program, 2002.
- National Humanities Center (North Carolina), History of science, field-wide reviewer, 2017-18.
- Individual peer review for the following agencies, among others: Institute for Advanced Studies, Princeton; Humboldt (Germany); MacArthur Foundation; National Science Foundation; Newberry Library/NEH.

Journal editor, peer reviewer:

- Technology & Culture (SHOT), Advisory editor, 1997-2010; peer reviewed dozens of articles, then and since.
- Isis (HSS), Advisory editor, 1999-2004; peer reviewed dozens of articles, then and since.
- Studies in History and Philosophy of Science, Consulting editor, 2004-present.
- Peer review for these journals, among others: Business History Review; Eighteenth-Century Studies; French Historical Studies; History of Science; Journal of Economic History; Journal of Modern History; History of Psychology; Science in Context; Science Technology and Human Values; Social Studies of Science.

Scholarly book reviews:

Peer review of book manuscripts for MIT Press, Princeton University Press, University of California Press, University of Chicago Press.

Tenure and promotion cases:

Assessed candidates for tenure and promotion at various institutions: Ivy league schools, major public and private in the U.S., and several non-U.S. institutions as well.

Institutional Review:

- MIT, Visiting Committee for the Social Sciences Division: History, STS, Anthropology Depts., 2017-20.
- Harvard University, Visiting Committee for the History of Science Department, 2011 and 2016.
- Wesleyan University, Visiting Committee (chair) for the Science in Society Program, 2011.

IV. INSTITUTIONAL SERVICE, NORTHWESTERN UNIVERSITY

HISTORY DEPARTMENT

Department Chair, History, 2014-2017. Administrative responsibility for Northwestern's History Department, comprising 40+ tenure-line faculty, 10+ visiting faculty and postdocs, 90 graduate students, 300 undergraduate majors/minors, 3500 undergraduate course enrollments, and five staff members. During my three-year term I oversaw the hiring of 6 new tenure-line faculty; the tenuring and promotion of 5 faculty; a Program Review of the Department (our first in 15 years); supervised the faculty directors of the undergraduate and graduate programs; managed the department budget; and renewed the departmental staff (with 4 new hires).

Other significant Department roles:

- Search Committee (chair): history of science, 2011-12 and 2000-01.
- Search Committee (member): early America, 2009-10; Britain, 2006-07; early modern Europe, 2005-06.
- Professional Development Officer, 2005-06, 2012-13. Guided graduate students entering the job market.
- Graduate Fellowship Committee, Europeanist, 1991-92, 1993-94, 2002-03, 2003-04.
- Director of Undergraduate Studies, 1998-99.

UNIVERSITY SERVICE

Science in Human Culture Program, Director, 1994-2014 and 2019-.

As inaugural director of SHC, I established an interdisciplinary science studies program which invites scholars and students from several departments to study science, technology, and medicine in context. See www.shc.northwestern.edu/. The program includes:

- Some 20+ faculty from History, Sociology, English, Anthropology, Performance Studies, Communication Studies, and departments in the natural sciences.
- An undergraduate program for some 50 adjunct majors and minors.
- A graduate science studies "cluster" program for some 20 Ph.D. students from various departments.
- A post-doctoral fellowship program which admits two concurrent scholars for two-year terms each.
- A Klopsteg speaker series, which each year invites to campus a dozen scholars in science studies.
- Conferences such as a triennial Midwest-STS conference; plus other thematic gatherings.

Kaplan Humanities Scholars Program, Director, 2006-08.

As inaugural director, I established an integrated humanities program for 48 first-year undergraduates in the Weinberg College of Arts & Sciences. I set the program's pedagogical mission and coordinated the teaching of faculty from multiple disciplines. See www.kaplanscholars.northwestern.edu/

OTHER NORTHWESTERN UNIVERSITY SERVICE

- Faculty Advisory Council, Buffett Institute for Global Studies, 2014-17.
- Executive Council, Kaplan Institute for the Humanities, 2006-08, 2014-17, 2019-20.
- Tenure Committee for Weinberg College of Arts and Sciences, elected three-year term: 2009-10, 2011-13.
- College-wide senior faculty search (chair), Biomedicine and humanities, 2007-08.
- College-wide faculty search (member), Environmental social sciences, 2012-13.
- Faculty Appeals Committee, 2019-[21]. University wide committee that hears appeals of promotion cases.
- Copyright Committee, 2001-06, 2019-20. Played key role in drafting the university's copyright policy.

IV. TEACHING ACTIVITIES

TEACHING HONORS

- E. Le Roy Hall Award for Teaching Excellence, Weinberg College of Arts and Sciences, 2010-11.
- Harold and Virginia Anderson Outstanding Teaching Professor, Northwestern University, 1999-2003.
- Excellence in Teaching Award, Interfraternity Council/Panhellenic Association, Northwestern, 1997.
- Hewlett Grant: "Technology: History, Society, and Economy." Co-winner with Joel Mokyr, 1993-94.

POST-DOCTORAL SUPERVISION

Since 1992 I have been involved in the selection and supervision of some 30 postdoctoral fellows for Northwestern's Science in Human Culture Program. The following list includes the fellows' postdoc years at Northwestern, their Ph.D.-granting institution and field, their current position, and the manuscript or book they wrote based on their postdoctoral work. An asterisk* indicates a scholar who I officially mentored.

[2019-21], Sarah Carson* (History, Princeton). Dissertation: "Ungovernable Winds: Weather Science in South Asia, 1864-1945."

[2019-21], Madeleine Pape (Sociology, UW-Madison). Dissertation "Inclusion and Exclusion: Institutional Reproductions of Sex and Gender."

2017-19, Diana Kurkovsky West (Art History, Princeton), currently visiting faculty in the History Dept., Auburn University. Project on "CyberSovietica: Planning for Big Data in the Soviet Union."

2017-19, Onur Özgöde (Sociology, Columbia), currently visiting faculty in the Sociology Dept., Northwestern. Book ms: "Fractals of Governance: Governing Systemic Risk at the Limits of Neoliberalism, 1922-2010."

2018, Michael Barany* (History, Princeton), NSF-funded postdoctoral research at Northwestern on "Global Mathematics," 1 September 2018 through early termination on 1 November 2018 to take current position as Assistant Professor, STS Department, University of Edinburgh.

2015-17, Fredrik Meiton* (History, NYU), currently Assistant Professor of Global History, University of New Hampshire. *Electrical Palestine: Jewish and Arab Technopolitics Under British Rule* (California, 2019), winner of the Hourani "best book" prize and the Owen "best book on political economy" prize from the Middle East Studies Association.

2015-17, Stephanie Graeter (Anthropology, UC-Davis), currently Postdoctoral fellow, UC-Irvine; taking up faculty position in 2020 at University of Arizona. Book manuscript under consideration at Duke: "Mineral Incorporations: Embodied Ecologies and Neoextractivist Politics in Peru."

2013-15, Daniel Stoltz* (Near Eastern Studies, Princeton), currently Assistant Professor, History Dept., University of Wisconsin-Madison. *The Lighthouse and the Observatory: Islam, Science, and Empire in Late Ottoman Egypt* (Cambridge, 2018).

2012-13, Lukas Rieppel* (History of Science, Harvard), currently Assistant Professor, History Dept., Brown University. *Assembling the Dinosaur: Science, Museums, and American Capitalism, 1870-1930* (Harvard, 2019).

2010-12, Tania Munz* (History, Princeton), currently VP for Research, National Humanities Center, Durham, North Carolina. *The Dancing Bees: Karl von Frisch and the Discovery of the Honeybee Dance Language* (Chicago, 2016); winner of the 2017 Davis Prize, History of Science Society.

2010-12, Tom Waidzunus (Sociology, UCSD), currently Associate Professor, Sociology Dept., Temple University, Pennsylvania. *The Straight Line: How the Fringe Science of Ex-Gay Therapy Reoriented Sexuality* (Minnesota, 2015).

- 2009-10, Dániel Margócsy* (History of Science, Harvard), currently University Lecturer, Dept. of History and Philosophy of Science, Cambridge University. *Commercial Visions: Science, Trade and Visual Culture in the Dutch Golden Age* (Chicago, 2014).
- 2008-10, Lindsay Smith* (Anthropology, Harvard), currently Assistant Professor, School for the Future of Innovation, Arizona State University-Tempe. Book ms: "Subversive Genes: Re(con)stituting Identity, Family and Human Rights in Argentina."
- 2007-09, Anthony Hazard* (History, Temple), currently Associate Professor, Program in Ethnic Studies, Santa Clara University. *Postwar Anti-racism: The United States, UNESCO, and "Race," 1945-1968* (Palgrave, 2012).
- 2006-08, Laura Stark* (Sociology, Princeton), currently Associate Professor, Center for Medicine, Health, and Society, Vanderbilt University. *Behind Closed Doors: IRBs and the Making of Ethical Research* (Chicago, 2011).
- 2005-07, Sokhieng Au* (Ph.D., Berkeley), currently Continuing Lecturer, Global Health Program, University of Iowa; formerly Research Fellow, Médecins Sans Frontiers, Cambodia. *Mixed Medicines: Health and Culture in Colonial Cambodia* (Chicago, 2011).
- 2004-06, Patrick Singy* (Historical and Conceptual Foundations of Science, Chicago), currently Adjunct faculty, Union College. *L'usage de Sexe: Lettres au Docteur Tissot* (BHMS, 2014).
- 2004-05, Pauline Kusiak* (Science and Technology Studies, Cornell), currently U.S. government policy analyst on sub-Saharan Africa.
- 2002-04, John Tresch* (History of Science, Cambridge), currently Mellon Professor, Warburg Institute, University of London. *The Romantic Machine: Technology and Metamorphosis in Paris, 1820-1851* (Chicago, 2012); winner of 2013 Pfizer Prize from the History of Science Society.
- 2002-04, Shobita Parthasarathy* (Science and Technology Studies, Cornell), currently Professor, School of Public Policy, University of Michigan-Ann Arbor. *Building Genetic Medicine: Breast Cancer, Technology, and the Comparative Politics of Health Care* (MIT, 2007).
- 2000-02, Sander Gliboff* (History of Science and Technology, Johns Hopkins), currently Associate Professor, History and Philosophy of Science Dept., Indiana University-Bloomington. *H. G. Bronn, Ernst Haeckel, and the Origins of German Darwinism: A Study in Translation and Transformation* (MIT, 2008).
- 1999-00, David Hoyt (History, UCLA), currently Independent scholar.
- 1998-99, Florence Hsia* (History, Chicago), currently Professor, History Dept., University of Wisconsin-Madison. *Sojourners in a Strange Land: Jesuits and their Scientific Missions in Late Imperial China* (Chicago, 2009).
- 1997-98, Francesca Bordogna (Historical and Conceptual Foundations of Science, Chicago), currently Associate Professor, Liberal Studies, Notre Dame. *William James at the Margins: Philosophy, Science, and the Geography of Knowledge* (Chicago, 2008).
- 1996-97, Jeffrey Sklansky* (History, Columbia), currently Professor, History, University of Illinois-Chicago. *The Soul's Economy: Market Society and Selfhood in American Thought, 1820-1920* (North Carolina, 2002).
- 1995-96, Jessica Riskin* (History, Berkeley), currently Professor, History Dept., Stanford University. *Science in the Age of Sensibility : The Sentimental Empiricists of the French Enlightenment* (Chicago, 2002); winner of the J. Russell Major Prize for the best book in French history from the American Historical Association.
- 1994-95, Ayval [Ramati] Leshem* (History, UCLA), currently Independent scholar. *Newton on Mathematics and Spiritual Purity* (Kluwer, 2003).
- 1993-94, Sharon Ghamari-Tabrizi* (History of Consciousness, UC Santa Cruz), currently Independent scholar. *The Worlds of Herman Kahn: The Intuitive Science of Thermonuclear War* (Harvard, 2005).
- 1992-93, Mi Gyung Kim* (History, UCLA), currently Professor, History Dept., North Carolina State University-Charlotte. *Affinity, That Elusive Dream: A Genealogy of the Chemical Revolution* (MIT, 2003).

GRADUATE TRAINING

Graduate training fields:

In 25+ years of graduate training I have directed dozens of major and minor field exams in the history of science, technology, and medicine, covering diverse periods and geographies:

History of science: Europe and America in the early modern and modern periods, including such topics as: Enlightenment science, 20th-century physics, science and law, science and politics, historical epistemology.

History of technology: Europe and America in the early modern and modern periods, including such topics as: engineering sciences, standardization, comparative Industrial Revolutions, 20th-century American technology, theories of technological change, and political economy.

History of France: especially the era of the Enlightenment and French Revolution.

American History: especially the history of law, public institutions, and material culture in the 20th century.

Dissertation advising:

Current students, for whom I serve as primary advisor:

Melanie Hall (G7, History). Field: post-WWII space science and American environmentalism. Prospective dissertation: “An Oracle of Science: Carl Sagan, Planetary Science, and the Politics of Climate Change, 1957-1988.”

Former students, for whom I served as either principal dissertation advisor or unofficial co-advisor:

Kevin Baker (Ph.D 2019, History). Currently postdoctoral fellow in Computer Science and History of Science, UC-Berkeley. Field: post-WWII computer science in global context. In 2018-19, pre-doctoral Breen Fellow, Chabraja Center for Historical Study; in 2017-18, pre-doctoral fellowship, Consortium for History, Technology and Medicine, Philadelphia; in 2016-17, Tomash Fellowship, Charles Babbage Center at the University of Minnesota. Dissertation: “World Processors: Scarcity Environmentalism, Global Politics and the Birth of Sustainability.”

Aileen Robinson (Ph.D. 2016, Theater Studies; advisor Tracy Davis). Currently Assistant Professor in Performance and Theater Studies, Stanford University. Field: Victorian Magic and Science. Winner of grants from the SSRC, the NSF and the American Society for Theater Research. Dissertation: “Technological Wonder: The Theatrical Fashioning of Scientific Knowledge, 1780-1905.”

Adam Plaiss (Ph.D. 2015, History). Field: American technology. Co-winner of 2010 Romani Prize for best first-year paper for “The Creation of the American Road/Map System,” published in *Technology and History*. Winner of the 2011-12 Lacey Baldwin Smith Prize for best Teaching Assistant. Dissertation: “The Rise of Technological Citizenship: Infrastructure in Progressive Era America.”

Genevieve Carlton (Ph.D. 2011, History; advisor Ed Muir). Formerly tenured Associate Professor of History, University of Louisville. Currently professional writer and historical novelist. Field: Early modern Italian culture and cartography. Book based on dissertation: *Worldly Consumers: The Demand for Maps in Renaissance Italy* (Chicago, 2015).

Meghan Roberts (Ph.D. 2011, History; advisor Sarah Maza). Currently Associate Professor, Department of History, Bowdoin College. Field: French Enlightenment and science. Winner of Javits Fellowship; Northwestern Presidential Fellowship. Book based on dissertation: *Living Proof: Intellectual Families and Knowledge Making in Enlightenment France* (Chicago, 2017).

Elise Lipkowitz (Ph.D. 2009, History). Currently Science Policy Analyst, NSF Board of Overseers; formerly AAAS Fellow, and Michigan Society of Fellows, 2009-13. Field: Eighteenth-century Atlantic science.

Winner of 2003 Romani Prize; NSF dissertation research grant. Dissertation: "The Sciences Are Never at War?: The Scientific Republic of Letters in the Era of the French Revolution, 1789-1815," under contract at University of Chicago Press.

Guy Ortolano (Ph.D. 2005, History; advisor T. W. Heyck). Currently Professor of History, New York University. Field: Modern British culture and science. Winner of Frankel Fellowship; British Union Fellowship; de Karman fellowship; Northwestern Presidential Fellowship. Book based on dissertation: *The Two-Cultures Controversy: Science, Literature, and Cultural Politics in Postwar Britain* (Cambridge, 2009).

Christopher Tassava (Ph.D. 2003, History). Currently Adjunct Professor, Carleton College, Minnesota. Field: Twentieth-century American technology. Winner of the 1998 Romani Prize; Frankel Fellowship. Dissertation: "Launching a Thousand Ships: Entrepreneurs, War Workers, and the State in American Shipbuilding, 1940-1945."

Dario Gaggio (Ph.D. 1999, History). Currently Professor, Department of History, University of Michigan-Ann Arbor. Field: European social history and technology. Winner of 1993 Romani Prize; Italian government fellowship. Book based on dissertation: *In Gold We Trust: Social Capital and Economic Change in the Italian Jewelry Towns* (Princeton, 2007).

Partial list of former graduate students with whom I worked with closely at Northwestern. In addition to the students listed below, I have served on the dissertation committees and/or field exams of many other Ph.D. candidates in the history of science/technology and in French and American history.

Jessica Biddlestone (Ph.D. 2019; advisor Sarah Maza). Currently postdoctoral fellow at the Chabreja Center for Historical Studies, Northwestern. Field: modern colonial France. Dissertation: "The Conquest of Antiquity: Archaeology and Empire in French North Africa."

Alvita Akiboh (Ph.D. 2019; advisor Daniel Immerwahr). Currently faculty at the Michigan Society of Fellows. Field: 19th- and 20th-century American imperial history and material culture. Winner of grants from the Smithsonian and several other institutions. Dissertation: "Imperial Material: Objects and Identity in the U.S. Colonial Empire."

Michael Falcone (Ph.D. 2019; advisor Daniel Immerwahr). Currently postdoctoral fellow at Dartmouth program on global studies. Field: 20th-century US and comparative empires and technology. Dissertation: "Global Power and the Rise and Fall of American State Technology, 1940-1970."

Alexandra Neame (Ph.D. 2019, Political Science; advisor Mary Dietz). Currently postdoctoral fellow in Thinking Matters Program, Stanford University. Field: Political theory and science studies. In 2017-18, held grant from the International Center for the Humanities, UCSB. Dissertation: "Truth in the Milieu of Politics: Knowledge, Authority and Democratic Freedom."

Jaimie Morse (Ph.D. 2018, Sociology; advisor Steven Epstein). Currently Assistant Professor of Sociology, UC Santa Cruz. Field: Sociology of science/medicine. Winner SSRC grant; Northwestern Presidential Fellowship. Dissertation: "Technologies of Bearing Witness: The Politics of Knowledge Production, Commemoration, and Memory Formation in the Context of Mass Atrocities."

Blake Smith (Ph.D. 2017 History; advisor Sarah Maza). Currently Harper-Schmidt Fellow, University of Chicago. Field: French Enlightenment and colonialism. Dissertation: "Myths of Asian Stasis: French Trade with South Asia and Enlightenment Political Economy, 1750-1800."

Matthew June (Ph.D. 2017 History; advisor Michael Allen). Currently high school history teacher, Latin School, Chicago. Field: U.S. 20th century. Dissertation: "Protecting Some and Policing Others: Federal Pharmaceutical Regulation and the Foundations of the 'War on Drugs.'"

Joel Penning (Ph.D. 2017 History; advisor Ed Muir). Currently high school history teacher, Liberty Common School, Fort Collins, Col. Field: Renaissance Italy. Dissertation: "City Walls and Civic Culture: Urban Fortification in Renaissance Italy."

- Ignacio Siles (Ph.D. 2013, Media, Technology and Society; advisor Pablo Boczkowski). Currently Professor of Communication Studies, University of Costa Rica. Book based on dissertation: *Networked Selves: The Trajectories of Blogging in the United States and France* (Peter Lang, 2017).
- Teri Chettiar (Ph.D. 2013 History; advisor Alex Owen). Currently Assistant Professor of History, University of Illinois at Urbana-Champaign. Field: Modern British history and psychology. Book manuscript in press: *The Psychiatric Family: How Private Life Became Political in Welfare-State Britain* (Chicago [2020]).
- Bernard Geoghegan (Ph.D. 2012, School of Communication; advisor Sam Weber). Currently Senior Lecturer in the History and Theory of Digital Media, King's College, London. Field: history of information science. Winner of Javits fellowship; Sciences Politique fellowship. Dissertation: "The Cybernetic Apparatus: Media, Liberalism, and the Rise of Global Technics."
- William M. Cavert (Ph.D. 2011; advisor Ethan Shagan). Currently Assistant Professor of History, St. Thomas University, St. Paul, Minn. Field: Early modern British environmental history. Book based on dissertation: *The Smoke of London: Energy and Environment in the Early Modern City* (Cambridge, 2016); winner of 2017 Whitfield Prize from The Royal Historical Society; John Ben Snow Prize in History from the North American Conference on British Studies; The Turku Prize in Environmental History from the European Society for Environmental History
- Darcy Hughes Heuring (Ph.D. 2011; advisor Alex Owen). Currently Associate Director and Earl S. Johnson Instructor, Masters of Arts Program in the Social Sciences, University of Chicago. Field: Modern British and colonial medicine. Dissertation: "Colonial Health and the Responsibilities of Empire: Great Britain, American Philanthropy, and the Problem of 'Improvement' in the Early Twentieth-Century British West Indies."
- Andrew Wehrman (Ph.D. 2011; advisor T. H. Breen). Currently Assistant Professor of History, Central Michigan University. Field: Colonial American medicine. Dissertation: "The Contagion of Liberty: Medicine, Class, and Popular Politics in the American Revolution"
- Michael Guenther (Ph.D. 2008; advisor T. H. Breen). Currently Associate Professor of History, Grinnel College. Dissertation: "Enlightened Pursuits: Science and Civic Culture in Anglo-America, 1730-1760."
- Matt Sterenberg (Ph.D. 2007; advisor T. W. Heyck). Currently Associate Professor of European History, Waseda University, Japan. Field: Twentieth-century British intellectual. Winner of Science in Human Culture Initiative Fellowship. Book based on dissertation: *Mythic Thinking in Twentieth-Century Britain: Meaning for Modernity* (Palgrave, 2013).
- Christopher Hayden (Ph.D., 2007; advisor Jonathan Glassman). Field: African medicine. Winner: Fulbright grant for Africa; Panofsky fellowship. Dissertation topic: "Of Medicine and Statecraft: Early Colonial Smallpox Vaccination in French West Africa (Senegal and Guinea)."
- Dana Jean Simmons (Ph.D. 2004, History, University of Chicago; advisor Jan Goldstein). Currently Associate Professor of History, University of California-Riverside. Field: modern European political economy and science. Winner of Javits fellowship, Harper fellowship, postdoctoral fellow at the Max Planck Institute of Berlin. Book based on dissertation, *The Vital Minimum: Needs, Nature and Inequality in Modern France* (Chicago, 2014).
- Karl Appuhn (Ph.D. 1999; advisor Ed Muir). Currently Associate Professor of History, New York University. Field: Early modern European environmental. Book based on dissertation: *A Forest on the Sea: Environmental Expertise in Renaissance Venice* (Johns Hopkins, 2009); winner of Herbert Baxter Adams Prize from AHA, Weyerhaeuser Prize for best book in conservation history, and the Delmas Prize for best book in Venetian studies.
- Leah Ceccarelli (Ph.D. 1994, Rhetoric/School of Speech; advisor Jack Leff). Currently Professor, Department of Speech, University of Washington, Seattle. Field: Rhetoric of science. Winner of 1996 Gerald R. Miller Outstanding Dissertation Award from the National Communication Association. Book

based on dissertation: *Shaping Science with Rhetoric: The Cases of Dobzhansky, Schrödinger, and Wilson* (Chicago Press, 2001).

Graduate courses:

“Material Culture” (History 405 Historical Methods). This methods/theory seminar explores how historians can reframe their inquiry through attention to material objects. The scope is world-wide and considers a wide range of historical periods, with methods from the disciplines of anthropology, science studies, literary criticism, and political theory, among others. All the writing assignments are based on existing academic “short form” genres: peer-review essays, book blurbs, lay press book reviews, etc.

Literature in the History of Science (History 484 Field Seminar). This seminar reads an evolving syllabus that considers the development of science in its social and political context from the 17th century to the present. In recent years, the course has focused on historical epistemology, and the processes by which features of the world have come to be marked out as “natural.”

First-Year Research Seminar (History 570). This gateway seminar for all first-year graduate students in History is offered as a two-quarter sequence with a rotating syllabus. It invites first-year students to consider various historical, analytical, and literary methods as they prepare first-year research papers that aspire to be of publishable quality.

UNDERGRADUATE TEACHING

Senior Honors Theses

I have advised more than a dozen individual senior honors theses during the past 25 years, on such topics as American eugenics, global tropical medicine, French forensic science, British operations research, and South Asian reproductive medicine.

I also served for three years as Director of the History Department’s Senior Honors Seminar (History 398), in which capacity I supervised and advised some fifty senior theses on a wide range of historical topics.

Undergraduate Courses

History of Early Modern Science and Medicine (History 275-1). This mid-sized introductory lecture course (c. 45 students) surveys the rise of the natural and social sciences in the seventeenth and eighteenth centuries, with a focus on the utopian promise of science and technology in a period riven by political and religious factionalism. The course covers the occult sciences, artisanal knowledge, astronomy and the new mechanics, theories of sex and race, and the rise of social science in the Enlightenment.

History of Modern Science and Medicine (History 275-2). This large introductory lecture course (c. 90-180 students) surveys science and medicine in the nineteenth and twentieth centuries, with a focus on the development of scientific knowledge in its social, political, and cultural context. First, it examines the Faustian bargain struck by physical scientists as they sought to transform knowledge into power (including such technologies as telecommunications and the atom bomb); then it tracks relations between the life sciences and social values from the age of Darwin to contemporary genomics.

History of American Technology (History 325). This large upper-division lecture course (c. 90 students) surveys two hundred years of American history through the study of technology and material culture. It

begins with the debates over industrialization in the colonial and Revolutionary era, and it ends with the debates over the computer and digital revolutions. Its core pedagogical assignment is an original research paper on the social history of an artifact of the student's choice.

Science and the Law: The History of an Encounter (History 378). This mid-sized upper-division lecture course (c. 45 students) examines the changing relationship between the modern world's two principal "theaters of proof": the laboratory and the courtroom. The class compares Anglo-American and Continental law since the 17th century. One theme is the development of the forensic sciences; another is intellectual property. Students write an original research paper on a forensic science.

The Computer Revolution (Humanities 395). This upper-division humanities seminar looks at the information revolution of the past forty years and its role in the transformation of the workplace, the economy, democratic politics, and our notions of community and identity.

Technology: History, Society, Economy (History 375-1,2). This two-quarter, interdisciplinary upper-division seminar examines the history, sociology, and economics of technology in Europe and America from the Middle Ages to the present day. Co-taught with Joel Mokyr, Professor of Economics and History.

Science and Democracy in Revolutionary Atlantic (History 392). This upper division history seminar considers the relationship of science and politics in the era of the Enlightenment and the Atlantic revolutions in France and America. Examines the extent to which scientific innovation was coupled to political and social transformations on both sides of the Atlantic.

Research in History of Technology (History 395). This upper division history seminar introduces students to research methods in the field of the history of technology, and guides them through their first experience writing an interpretive original research paper based on primary sources.

Science and the Good Life (History 101). This seminar course for first-year students (originally developed for upper-division students) examines the relationship between the scientific and literary imagination from the Victorian period to Sputnik. The class focuses on the Anglo-American and Central European cultural spheres. Students compare scientific memoirs and imaginative portrayals of the scientific life, and write a series of essays.