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CURRICULUM VITAE AND BIBLIOGRAPHY

CURRICULUM VITAE

b. Phila., Pa., March 2, 1939; m. 61; c. 2 Modern American History, History of Science. B. A. Physics, Princeton, 60, Woodrow Wilson Fel., 61-62, Nat. Sci. Found. Fel. 62-64, Ph.D. hist., 64; Nat. Sci. Found. Fel., Oxford, 60-61. Asst. to Eric F. Goldman, White House Staff, summer 64; asst. prof., hist., Caltech 64-68; assoc. prof. 68, prof. 78 - 86, J.O. and Juliette Koepfli Professor of the Humanities, 86 - 01, exec. officer for humanities, 78-81; chair of the Caltech faculty, 1995-97; Old. Dom. Fel. Caltech, 66- 67; visiting research fellow, Univ. of Sussex, 76; visiting prof., Univ. of Pennsylvania, spring 1979; DeCamp Professor, Princeton University, spring 1999; Visiting Prof. of History, Yale University, 2000-2001; Stanley Woodward Professor of History, 2001-; professor of humanities, 2007--; director of graduate student, Program in History of Science and Medicine, 2002-5; chair, 2005-2008; Fellow, Charles Warren Center, Harvard University, 1981 - 82; Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 1986 -87; Directeur d'Etudes, Ecoles des Hautes Etudes en Sciences Sociales, Paris, April 1991; NEH Senior Fellow, 1981 -82; Guggenheim Fellow, 1983; Phi Beta Kappa; P.E.N.; Author's Guild; Orgn. Am. Hist.; American Hist. Assn.; Hist. Sci. Soc.; Am. Assn. for the Adv. of Science (Fellow); Am. Academy of Arts and Sciences; American Philosophical Society; Fellow, Society of American Historians; George Sarton Medal, History of Science Society, 2001.

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BIBLIOGRAPHY

Books

Inventing America: A History of the United States, coauthored with Alex Keyssar, Pauline Maier, and Merritt Roe Smith (New York: W.W. Norton, 2002; 2nd edition, revised and expanded, Jan. 2006);

Le Scienze Biologiche e la Medicina, coedited with Gilberto Corbellini, in *Storia della Scienza*, Vol. VIII, director, Sandro Petruccioli (Rome: Istituto della Enciclopedia Italiana, 2004), pp. 659-953;

The Baltimore Case: A Trial of Politics, Science, and Character (New York: W. W. Norton, 1998; paperback, 2000). Published in Italy (Giovanni Fioriti Editore). Watson Davis Prize, History of Science Society, 1999; finalist, L. A. Times Science Book Prize.

The Code of Codes: Scientific and Social Issues in the Human Genome Project, edited with Leroy Hood (Cambridge: Harvard University Press, 1992; paperback, 1993); published in Germany (Artemis and Winkler, Spring 1994); Japan (Ague Shotu-Sha, 1997). Honorable Mention, American Medical Writers Association 1993 Medical Book

Awards.

In the Name of Eugenics: Genetics and the Uses of Human Heredity (Alfred A. Knopf, 1985; paperback, University of California Press, 1986; paperback with new preface, Harvard University Press, 1995). Also published in England (Penguin), Japan (Asahi), Spain (Editions Planeta), France (Presse Universitaire de France). Finalist, 1985 American Book Award, Non-Fiction. Page One Award for serial version in *The New Yorker*.

The Physicists: The History of a Scientific Community in Modern America (Alfred A. Knopf, 1978). Paperback: (Vintage, 1979; Harvard University Press, 1987,1995). Also published in France (Paris: Anthropos, 1988). Received National Historical Society Book Prize in American History, 1979. 1980 American Book Award Finalist, History.

Articles, Essays, Essay Reviews

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“Fruit Nationalism: Horticulture in the United States From the Revolution to the First Centennial,” in *Aurora Toreal: Studies in the History of Science and Ideas in Honor of Tore Frängsmyr*, eds. M. Beretta, K. Grandin & S. Lindqvist (Sagamore Beach, MA: Science History Publications/USA, 2008);

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Guide to the Microfilm Edition of the George Ellery Hale Papers, California Institute of Technology and the Carnegie Institution of Washington, 1968.

Ed., *The Papers of George Ellery Hale*, (100 reels; National Historical Publications Commission, 1968).

Book reviews: in *American Historical Review*, *Isis*, *Engineering and Science*, *Journal of American History*, *Science*, *Political Science Quarterly*, *4S: Society for the Social Studies of Science Newsletter*, *Los Angeles Times*, *Chronicle of Higher Education*, *New York Times Book Review*, *The Sciences*, *Agricultural History*, *The New Republic*, *The New Yorker*, *Boston Globe*, *Technology Review*, *Journal of Economic History*, *Nature*, *Times Literary Supplement*, *London Review of Books*, *New York Review of Books*, *Bulletin of the History of Medicine*, *Washington Post Book World*, *American Scientist*, *Quarterly Review of Biology*

Contributor: *World Book Encyclopedia*, *The American Biographical Encyclopedia*, *Dictionary of American History*.

Consultant and editor: R. Cargill Hall, *Lunar Impact, A History of Project Ranger* (NASA, 1977).

Adviser and Contributor, *The Oxford Companion to United States History* (2001)

Senior Consultant and Contributor, *Oxford Companion to the History of Science* (1999- 2002)

WORK IN PROGRESS

Innovation and Ownership in the Stuff of Life, to be published by Alfred A. Knopf.

An interpretive history of science and technology in the 20th century (with John Heilbron), to be published by W.W. Norton.

Genetics, Virology and Cancer.

The Contested Earth: From Walden Pond to Global Warming, to be published by W.W. Norton.

PROFESSIONAL ACTIVITIES

Consultant, book project (Harry Evans, *They Made America*) and *American Experience* TV series based on the book (book published Oct. 2004; programs broadcast Nov. 2004);

Member, Executive Committee, *The Collected Papers of Albert Einstein*, 2003-

Panel on Restructuring Training in Journalism, Columbia School of Journalism, 2004;

Advisory Committee, Sloan Foundation Book Program, 2004-;

Advisory Board, National Nanotechnology Infrastructure Network, 2004-

Panel on Intellectual Property, Genomics, and Proteomics, National Research Council, 2003-2005

Visiting Historian, Rockefeller University, 2002-4

Principal Investigator, Updated History of the Jet Propulsion Laboratory, 1999-2004

Consulting Editor, Books, *American Scientist*, 1999-

National Cancer Policy Board, 2001-2003

Panel on Science, Technology, and the Law, National Research Council, 2000-.

Fellowship Selection Committee, The Center for Scholars and Writers, New York Public Library, 1999-2000, 2005-.

Advisory Council, National Institute of General Medical Sciences, 1998-2001.

Chair, Selection Committee for History and Philosophy of Science, James S. McDonnell Centennial Fellowships, 1997-98.

Visiting Committee, History of Science Department, Harvard University, 1995-.2003

American Institute of Physics, Advisory Committee on the History of Physics, 1984-; chair, 1993-1994.

Sarton Lecturer, American Association for the Advancement of Science, May 1985.

Distinguished Lecturer, History of Science Society, 1992.

Educational Advisory Board, Guggenheim Foundation, 1986--1994.

Associate Editor, *HSPS: Historical Studies in the Physical and Biological Sciences*, 1986-.

"Editorial Board," *The American Experience in the Twentieth Century*.

History Advisory Committee, NASA, 1987-1989.

Joanne Goodman Lecturer, The University of Western Ontario, October 1993.

Visiting Committee, School of Historical Studies, Institute for Advanced Study, Princeton, 1993.

Member, Visiting Committee, History of Science Department, Harvard University, 1994-1997.

The Philip Maurice Deneke Lecturer, Oxford University, 1994.

Advisory Board, "A Science Odyssey," WGBH Series, 1996-1998.

Magee Lecturer, Science and Human Values, University of Puget Sound, March 1997.

History of Science Society.

President, West Coast Branch, 1978-1980, Council Member, 1989-90.

Advisory Editor, Isis, 1981 -1983; 1991 -1993.

Council member, 1980-1982.

Committee on Publications, 1984-1988 (chair, 1988).

Committee on Honors and Prizes, 2001- 2004

Advisory Committee on Scientific Autobiography, Sloan Foundation, 1980-1990.

Chairman, Advisory Council on the History of Science, Princeton University, 1982-1988; Member, Visiting Committee, History Department, 1988-1994.

US National Committee, International Union for the History and Philosophy of Science, 1983-1989. (Vice chair, 1988; chair, 1989).

Chairperson, Section L, AAAS, 1983-1985.

Principal Investigator, Project on the History of the Jet Propulsion Laboratory, 1974-1979.

GRANTS AND FELLOWSHIPS

Sloan Foundation Grant, 1994-1998.

National Science Foundation Grant, 1989-90 (jointly with Leroy Hood, for the lecture series on Ethical and Policy Issues Arising from the Human Genome Initiative).

Mellon Foundation Grant, 1989-1993; 1993-1996; 1996-2001; 2001-2007.

National Science Foundation Grant, 1990-1992.

Resident Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 1986-1987.

Sloan Foundation Research Grant, 1985-87.

Sloan Foundation Officer Grant, 1982-84.

John Simon Guggenheim Foundation Fellow, 1983.

National Endowment for the Humanities Senior Fellowship, 1981 -82.

National Science Foundation Research Grant, 1978-80.

American Council of Learned Societies, Grant-in-Aid, 1973.

National Science Foundation Research Grant, 1973-74.

National Science Foundation Research Grant, summer, 1965.

Yale Activities

Courses Taught

History of Biology and Society
Science, Arms, and the State
Nuclear America
Introduction to the History of Science (graduate course)
Science and Technology in the Twentieth Century (graduate course)
Science and Technology in American Society (graduate course)
The Engineering and Ownership of Life

Administration

Tenure Appointments Committee, Social Sciences, 2006-
Chair, Program in History of Medicine and Science, 2005-
Director of Graduate Studies, Program in History of Medicine and Science, 2002-5
Committee on Publications, Yale University Press, 2002-
Search Committee for Director, Yale University Press, 2002
Honorary Degrees Committee, 2002-
Environmental Studies Advisory Committee, 2001-2002; fall 2003; 2004-
Chair, Advisory Committee to the Provost on History of Science and Medicine, 2001-2002
Subcommittee on Science Education, Committee on Yale College Education, 2001-2002
Provost's Ad Hoc Advisory Committee Science and National Security, 2003-
Chair, History Dept. Search for a Historian of the Physical Sciences, 2001-2, 2003.
Chair, History Dept., Graduate Admissions in U.S History, 2002.
Health Studies Advisory Committee, 2005-7.

CALTECH ACTIVITIES

Courses Taught

H2	Introduction to American History
En 1x	Film and Fiction as Literature and History
H6	American Life and Thought
H115	Science, Weapons, and National Security
H152	The Era of Roosevelt and Truman
H153ab	America Since World War II
H157	Science in America
H156	Topics in the History of Science

H159
H161

Topics in the History of Science and Society
The Nuclear Weapons Issue: History and Politics

CALTECH, ADMINISTRATION AND COMMITTEES

Undergraduate Student Relations Committee

Chairman, President's Advisory Committee on the Bookstore

Advisory Committee on the Selection of the Provost (1969, 1979, 1982)

Advisory Committee on the Selection of the Humanities Division, Chairman (1970, 1978)

Academic Policies Committee

Standing Committee on Special Laboratories

Faculty Board (2 terms)

Subcommittee on Sponsored Student Research

Nominating Committee

Patents Committee

President's Fund Committee

Executive Officer for Humanities (1978-81)

Educational Computing Committee

Faculty Committee on JPL

Faculty Committee on Classified Research

Academic Freedom and Tenure Committee, Vice Chair, (1987-1989)

Vice Chairman of the Faculty (1989-91)

Committee on Aims and Needs

Chairman of the Faculty (1995-1997)

MISCELLANEOUS

Head, Caltech Program in Science, Ethics and Public Policy, Fall 1987-- June 2001.

Organizer of "Symposium on Women and Minority Groups in American Science and Engineering," held at Caltech, December 8, 1971.

Advisor, Clean Air Car Project.

Co-organizer (with Leroy Hood), Seminar Series on Issues in Ethics and Policy Arising from the Human Genome Initiative, 1989-90.

Kevles\cv\March 2008