DANIEL J. KEVLES CURRICULUM VITAE AND BIBLIOGRAPHY May 2021

CURRICULUM VITAE

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"The National Research Fund: A Case Study in the Industrial Support of Academic Science," co-authored with Lance E.

Davis, Minerva, Xll (April 1974), 207-20.

"On the Moral Dilemmas of the American Chemist: Some Notes From History," in William Beranek, Jr., ed., *Science, Scientists and Society* (Bogden and Quigly, 1972), 3-17.

"Towards the Annus Mirabilis: Nuclear Physics Before 1932," The Physics Teacher, 10 (April 1972), 175-81.

"Federal Legislation for Engineering Experiment Stations: The Episode of World War One," *Technology and Culture*, 12 (April 1971), 182-89.

"Into Hostile Political Camps: The Reorganization of International Science in World War 1," *Isis*, 62 (Spring 1971), 47-60. Reprinted in Nathan Reingold, ed., *Science in America Since 1820* (N.Y.: Science History Publications; London: Dawson, 1976).

"On the Flaws of American Physics: A Social and Institutional Analysis," in George H. Daniels, ed., *Nineteenth-Century American Science* (Northwestern University Press, 1972), pp. 133-151.

"George Ellery Hale and the Role of a Central Scientific Institution in the United States," in Helen Wright, et al, eds., *The Legacy of George Ellery Hale* (MIT Press, 1972), 273-82.

"Flash and Sound in the AEF: The History of a Technical Service," Military Affairs, 33 (December 1969), 374-84.

"Robert A. Millikan: Spokesman for Science in the Twenties," Engineering and Science, 32 (April 1 969), 17-22.

"George Ellery Hale, the First World War, and the Advancement of Science in America," Isis, 59 (Winter 1968), 427-37. Reprinted in the Bobbs-Merrill Reprint Series in the History of Science. Reprinted in Nathan Reingold, ed., *Science in America Since 1820* (N.Y.: Science History Publications; London: Dawson, 1976).

"Testing the Army's Intelligence: Psychologists and the Military in the First World War," *Journal of American History*, LV (December 1968) 565-81.

"Science in the Gilded Age," The California Institute of Technology Quarterly, 8 (Fall 1966), 13-20.

MISCELLANEOUS PUBLICATIONS AND REPORTS

"Eloge: Alison Winter (1965-2016), "Isis, 109(March 2018), 137-139;

- "A Sesquicentennial History of the National Academy of Sciences: A Report Concerning Its Approach, Contents, and Shape and on Relevant Documentary Sources, especially in the Archives of the Academies," in collaboration with Peter Westwick, prepared for and submitted to the President of the National Academy of Sciences, November 30, 2011;
- "Il Progetto Genoma Umano," in *Storia della Scienza*, Vol. IX: *La Grande Scienza* (Rome: Istituto della Enciclopedia Italiana, 2004), 805-810;
- "Historical Reflections on Research in Human Behavioral Genetics," a report to the Committee on Genetics, Health, and Behavior of the Institute of Medicine, National Academy of Science, July 1997.
- With Diana Barkan, "On the Origins and Development of Modern Scientific Instruments," A Report Prepared for the Alfred P. Sloan Foundation, Nov. 30, 1994.
- "The Impact of University Patenting on the Dissemination and Use of Scientific Research: A Historical Sketch," Report to the United States Congress, Office of Technology Assessment, September 1993.

"Eugenics," in *Keywords*, eds., Evelyn Fox Keller and Elisabeth A. Lloyd (Cambridge: Harvard University Press, 1992), pp. 92-94.

"Eugenics," in Encyclopedia of Bioethics, (Macmillan, 1992), pp. 92-94.

With J.L. Heilbron, "Mapping and Sequencing the Human Genome: Considerations from the History of Particle Accelerators," Report to the U.S. Congress, Office of Technology Assessment, Oct. 1987.

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, 1 968).

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, Historical Studies in the Natural Sciences.

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

Vital Properties: A History of Innovation and Ownership in the Stuff of Life, to be published by Alfred A. Knopf;

With Ruth Schwartz Cowan and Peter Westwick, *The Power of Distinction: A History of the National Academy of Sciences in American Life* (to be published by Yale U. Press);

PROFESSIONAL ACTIVITIES

Advisory Board, Project on Citizen Science, University of Geneva (2014-2017);

Consultant, National Academy of Sciences Sesquicentennial History Project, 2011-2013;

Executive Board, Society of American Historians, 2011-

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, 1999-2008;

National Cancer Policy Board, 2001-2003

Panel on Science, Technology, and the Law, National Research Council, 2000-2006;.

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

Nominating Committee, 2006-2008;

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

Mellon Visiting Scholar, LuEsther Mertz Library, New York Botanical Garden, Jan-March 2015;

Fellowship, Cullman Center for Scholars and Writers, NY Public Library, 2008-2009;

Senior Scholars Award, National Science Foundation, 2008-2010;

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; 2007-2012;

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

Science and Technology in the U.S. (from Franklin to Facebook), lecture course;

The Engineering and Ownership of Life (graduate and law course)

Reconstruction from the Right, the U.S. in the 1970s (graduate and law course)

Genetics, Reproduction, 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)

Science, Drama, and the Novel

Administration

FAS Review Committee, 2009/2010;

Co-director, with Frank Snowden, Mellon Syllabus Development Project, 2009

Tenure Appointments Committee, Social Sciences, 2006-7

Chair, Program in History of Medicine and Science, 2005-2008;

Director of Graduate Studies, Program in History of Medicine and Science, 2002-2005; 2009-2010;

Committee on Publications, Yale University Press, 2002-2011

Search Committee for Director, Yale University Press, 2002

Honorary Degrees Committee, 2002-2012;

Environmental Studies Advisory Committee, 2001-2002; fall 2003; 2004-7; 2010-

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, 2009;

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
Hl53ab	America Since World War ll
H157	Science in America
Hl56	Topics in the History of Science
H159	Topics in the History of Science and Society

H161

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.

Dec. 2016