

## Robert William Fogel

Charles R. Walgreen Distinguished Service Professor of American Institutions, Booth School of Business  
Director, Center for Population Economics  
Faculty member, Department of Economics  
Faculty member, John U. Nef Committee on Social Thought

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**Birth Date:** July 1, 1926  
**Marital Status:** Widower; two children

**Degrees:** B.A., Cornell University, 1948  
A.M., Columbia University, 1960  
A.M. (honorary), Cambridge University, 1975  
A.M. (honorary), Harvard University, 1976  
Ph.D., Johns Hopkins University, 1963  
D.Sc. (honorary), University of Rochester, 1987  
Doctor Honoris Causa, Universidad de Palermo, 1994  
LL.D (honorary), Brigham Young University, 1995  
D.Sc. (honorary), University of Binghamton, 1999  
Laurea Honoris Causa, Università degli Studi di Torino, 2000  
Doctor of Philosophy, Honoris Causa, Lund University, 2005  
Doctor of Science (Economics), Honoris Causa, University of London, 2009

**Fellowships and Grants:** Gilman Fellowship, Johns Hopkins University, 1957–59  
Social Science Research Council Training Fellowship, 1960  
Social Science Research Council Faculty Grant, 1966  
Mathematical Social Science Board Grant, 1966  
National Science Foundation, 1967–81; 1992–98  
Fulbright Grant, 1968  
Ford Faculty Research Fellowship  
Exxon Educational Foundation Grant, 1981  
National Institutes of Health, National Institute on Aging Program Project grant, 1991–2014

**Awards:** Phi Beta Kappa, 1963  
Arthur H. Cole Prize, 1968  
Schumpeter Prize, 1971  
Bancroft Prize in American History, 1975  
Gustavus Myers Award for Human Rights, 1990

Prize in Economic Sciences in Memory of Alfred Nobel, 1993  
Distinguished Alumni Award, Johns Hopkins University, 2000  
Indispensible Person of the Year for Health Research, Alliance for Aging Research, 2006  
Simon Kuznets Medal, Simon Kuznets Institute for Development and Self-Organization, 2011

**Other Honors:**

Honorary Vice President, Economic History Society, Glasgow, 1967  
Fellow, Econometric Society, 1971  
Fellow, American Academy of Arts and Sciences, 1972  
Member, National Academy of Sciences, 1973  
Fellow, Royal Historical Society, 1974  
Centennial Professor, Texas A&M, 1976  
Kinley Lecturer, University of Illinois, 1977  
Fellow, American Association for the Advancement of Science, 1978  
Snyder Lecturer, University of California-Santa Barbara, 1979  
Ida Beam Lecturer, University of Iowa, 1982  
Gilbert Lecturer, University of Rochester, 1984  
Mackintosh Lecturer, Queen's University, 1987  
Corresponding Fellow, British Academy, 1991  
Chosen as one of the "1,000 Makers of the 20<sup>th</sup> Century" by the *London Times*, 1991  
Simon Kuznets Memorial Lecturer, Yale University, 1992  
Fortenbaugh Memorial Lecturer, Gettysburg College, 1994  
Charles Homer Haskins Lecturer, American Council of Learned Societies, 1996  
Ellen McArthur Lecturer, Cambridge University, 1996  
President-elect, American Economic Association, 1997  
Nestlé Lecturer, Whitehall, London, 1997  
President, American Economic Association, 1998  
Hayes-Robinson Lecturer, University of London, 2000  
Christopher Lasch Lecturer, The Historical Society National Conference, 2000  
Member, American Philosophical Society, 2000  
Fleming Lecturer, Louisiana State University-Baton Rouge, 2001  
Honorary Professor, Xiamen University, 2001  
W.P. Carey Nobel Laureate in Economic Lecturer, Colorado College, 2001  
Murray Lecturer, University of Iowa College of Law, 2001  
Hitchcock Professor, University of California-Berkeley, 2004  
Honorary Professor, Capital Normal University, Beijing, China, 2005  
Honorary Professor, Chongqing University, Chongqing, China, 2005  
Fellow, The Cliometric Society, 2010

**Academic  
Appointments:**

Instructor, Johns Hopkins University, 1958–59  
Assistant Professor, University of Rochester, 1960–64  
Ford Foundation Visiting Research Professor, University of Chicago, 1963–64  
Associate Professor, University of Chicago, 1964–65  
Professor, University of Chicago, 1965–75  
Taussig Research Professor, Harvard University, 1973–74

Professor, University of Rochester (Autumn semester), 1968–75  
Pitt Professor of American History and Institutions, Cambridge University, 1975  
Professor, Harvard University, 1975–81  
Professor, University of Chicago, 1981–present

**Other Professional Appointments:**

Chairman, History Advisory Committee of the Mathematical Social Science Board, 1965–72  
Member, MSSB, 1967–72  
Associate, Columbia University Seminar in Economics and History, 1969–81  
Member, Editorial Board of *Explorations in Economic History*, 1970–84  
Program Chairman, Economic History Association, 1971  
Member, Board of Trustees of the Economic History Association, 1971–81  
General Editor, MSSB-Princeton Series on *Quantitative Studies in History*, 1971–76  
Chairman, Ad Hoc Committee on Quantitative Methods in History, University of Chicago, 1974–75  
Member, Editorial Board of *Social Science History*, 1976–80, 1985  
Member, Editorial Board of *Southern Studies*, 1977–  
President, Economic History Association, 1977–78  
Research Associate (Director of Program on the Development of the American Economy, 1978–91), National Bureau of Economic Research, 1978–  
National Academy of Science Committee on Aging, 1978–81  
General Editor (with S. Thernstrom), Cambridge University Press series on *International Perspectives in Modern History*, 1979–1990  
President, Social Science History Association, 1980–81  
Director, Walgreen Foundation, University of Chicago, 1981–  
Director, Center for Population Economics, University of Chicago, 1981–  
Research Fellow, Center for Economic Policy Research (London), 1984–89  
Member, National Research Council Committee on Child Development Research and Public Policy 1987–91  
Member at Large, Section K, AAAS, 1989–94  
General Editor (with Clayne Pope), NBER/DAE series on *Long-Term Factors in Economic Development*, 1988–94  
Conference on Income and Wealth, 1989–93  
Committee on International Conflict and Cooperation, National Academy of Sciences, 1990–92  
President, American Economic Association, 1998  
Co-director, NBER Program on Cohort Studies, 1998–  
Member, Editorial Board of *Economics and Human Biology*, 2003–  
Honorary Member, Board of Directors, *Biometrika*, 2006–  
Member, Scientific Advisory Committee, School of Economics and Management, Lund University, 2006–  
Member, Committee on Clinical and Translational Science, 2008–

**Papers and Comments Presented to Professional Associations and Conferences:**

All-UC Group in Economic History Conference (1993)  
American Agricultural Economics Association (Tampa, Fla. 2000)  
American Association of Universities Centennial Meeting (2000)  
American Economic Association (1963, 1964, 1968, 1975, 1986, 1993, 1999, 2009)  
American Historical Association (1974, 1976, 1982, 1983, 1985, 1995)  
Argentina Economic History Association (1985)

British Economic History Society (1966, 1976)  
British Social Science Research Council Conference on Quantitative Methods (1976)  
British Society for Population Studies (1976)  
Center for China Economic Research, Peking University (1999)  
China Economic Summit Forum 2001 (2001)  
China Hi-Tech Forum of China Hi-Tech Fair (2000)  
Chinese Economists Society (2004, 2005)  
Ciba Foundation Discussion meeting (1997);  
Cliometric Conference on Quantitative Methods in Economic History (1960, 1963, 1964, 1968, 1972, 1977, 1985, 1989)  
Conference for Landes Festschrift (1987)  
Conference in Honor of D. Gale Johnson, University of Chicago (2003)  
Conference of Anglo-American Historians (1974, 1975, 1982, 1989)  
Conference of Scandinavian Historians (1971)  
Conference of Scottish Economic Historians (1966)  
Conference on Applications of Quantitative Methods to Political, Social, and Economic History (1969)  
Conference on Capitalism and Social Progress (1990)  
Conference on Comparative Social History (1986)  
Conference on Disparities and Discrimination in Health Care and Outcome, University of Chicago (2003)  
Conference on Economic Aspects of Demographic Transition (1998)  
Conference on Famine and Disease (1991)  
Conference on History and Computers (1991)  
Conference on Hunger and History (1982)  
Conference on Mathematics in the Social Sciences (1970)  
Conference on Research in Income and Wealth (1963, 1984, 1990)  
Conference on the Determinants of Mortality (2004)  
Conference on the Economy of the British America (1980)  
Conference on the Right to Food and the Costs of Hunger (2003)  
Conference on the Frontiers of the New Institutional Economics (1995)  
Conference on the Historian and Computer (1972)  
Conference on the Meaning of Freedom (1988)  
Conference on the Preservation of Records in the National Archives (1968)  
DuSable Business Conference (1998)  
Economic History Association (1978, 1982, 1988, 1989)  
Econometric Society (1960, 1963, 1965 [to World Congress in Rome], 1970 [to World Congress in Cambridge])  
EDS Management Consulting Services Biotechnology Conference (1995)  
Factor Endowments, Labor and Economic Growth in the Americas: A Conference in Honor of Stanley L. Engerman (2000)  
French-American Roundtable on Historical Demography (1986)  
General Electric Seminar in Economics (1965–73, 1982)  
Gerontological Society of America (1994)  
Hayes-Robinson Lecture, University of London (2000)  
Historical Society National Conference (2000)  
History and Theory Colloquia (1968)  
Illinois Agricultural Foundation (2001)  
INSEAD (2002)  
International Cliometrics Conference (1985, 1989)  
International Conference of the International Health Economics Association (2001)

International Conference on Economic Consequences of Population Change in Industrialized Countries (1983)  
 International Conference on Health and Economic Development, National Institutes of Health (1999)  
 International Conference on Labor Market & Unemployment Policy in Transitional China, Chinese Economists Society (1999)  
 International Conference on Society, Health, and Population during the Demographic Transition (1986)  
 International Conference on Urbanization in China: Challenges and Strategies of Growth and Development, Chinese Economists Society (2001)  
 International Congress of Auxology (2000)  
 International Congress of Economic History (1968, 1970, 1978, 1982, 1986, 2006)  
 International Congress of Logic, Methodology, and Philosophy of Science (1979)  
 International Council for Global Health Progress Congress (1998)  
 International Economic Association Conference (1995)  
 Islamic Development Bank (1996)  
 IUSSP Conference on Old and New Methods in Historical Demography (1991)  
 Lessons from Pension Reform in the Americas Conference, Federal Reserve Bank of Atlanta (2006)  
 Marabou Symposium (1995)  
 Midwest Business Administration Association (1965)  
 Midwest Conference on Mathematical Economics (1968)  
 Midwest Economics Association (1994)  
 Missouri Section of the Mathematical Association of America (1975)  
 MSSB-Rochester Conference on *Time on the Cross* (1974)  
 NAS Scientific Symposium (1995)  
 National Association for Business Economics (Chicago 2000)  
 National Association of Independent Schools (1975)  
 Nestlé Lecture on the Developing World (1997)  
 NBER Conference on Program Productivity and Technological Change for Zvi Griliches (1999)  
 NBER Conference on Strategic Factors in American Economic History (1991)  
 NBER Conference on the Standard of Living in Early 19th Century America (1990)  
 NBER Research Conference (New York 1989)  
 NBER Summer Institute (1986, 1987, 1988, 1989, 1990, 1991, 1994)  
 New York Economics Association (1961)  
 NIA Summer Institute on Demography, Economics & Epidemiology of Aging (1995)  
 Nobel Jubilee Symposium on Population, Development, and Welfare (1991)  
 OECD Workshop on “Healthy Ageing and Biotechnology: Research and Policy Issues” (2000)  
 Organization of American Historians (1962, 1972, 1988)  
 Pan-American Health Organization (2002, 2007)  
 Past and Present Conference on Urbanization (London, 1975)  
 Philosophy of History and Contemporary Historiography Conference (1980)  
 Planning Workshop on Health and Economic Development with Donna Shalala, Secretary of Health and Human Services, National Institutes of Health (1999)  
 Population Association of America (1977, 1985, 1987, 1989, 1993, 2003)  
 RAND Summer Institute (2001, 2003)  
 RAND Summer Institute in Demography, Economics, & Epidemiology of Aging (1997)  
 Regional Science Association (1961)  
 Royal Society/British Academy Discussion Meeting (1997)  
 Royal Statistical Society (1976)  
 SCASSS Conference on Methodological Problems of Neo-Institutional Economics (1989)  
 Seminar on Population, Environment, and Development (1993, 1994)

Shanghai Association of Social Sciences (1999)  
Social Science History Association (1976, 1978, 1979, 1980, 1981, 1985, 1987, 1988, 1992, 1998)  
Southern Economics Association (1967, 1990)  
Southern Historical Association (1961, 1972, 1990)  
Southwest Social Science Association (1975)  
Southwestern University of Finance and Economics (1999)  
Southern Sociological Society (1975)  
Symposium on Knowledge and Institutional Change (1987)  
Task Force on Science, Health Care & the Economy (1997)  
The Chicago Institute for Psychoanalysis (2006)  
University of Chicago Continuing Education Lecture Series (1985)  
USDA/ERC conference (1998)  
Washington DC Seminar in Economic History (1984, 1991)  
WIDER Conference on Poverty, Undernutrition and Living Standards (1987)  
WinConference (1995)  
Woodrow Wilson Institute (1984)  
Workshop on Economic Theories of Inequality (1993)  
Workshop on Pension Systems in Crisis, Harvard Institute For International Development (1999, 2000)  
World Congress of Cliometrics (1997)  
World Food Programme/United Nations University Seminar (1997)

## Lectures to Faculty Seminars and Colloquia:

### 1960–1995 (partial listing)

American Cultural Center (France)	Universitat Frankfurt (Germany)
American Cultural Center (Sweden)	Universitat Mannheim (Germany)
American Enterprise Institute	Universitat Zu Koln (Germany)
Australian National University	Universite Catholique de Louvain (Belgium)
Baruch College	University of Aberdeen (UK)
Billings Hospital	University of Adelaide (Australia)
Birkbeck College (UK)	University of Amsterdam (The Netherlands)
Boston College	University of British Columbia (Canada)
Breijer Institute (Sweden)	University of Buenos Aires (Argentina)
Brigham Young University	University of California-Berkeley
Brown University	University of California-Davis
Bunting Institute (Radcliffe)	University of California-Santa Barbara,
Cambridge University (UK)	University of California-Los Angeles
College of the Holy Cross	University College-Dublin (Ireland)
California Institute of Technology	University of Copenhagen (Denmark)
Colgate University	University of Cincinnati
College of William & Mary	University of Edinburgh (UK)
Columbia University	University of Essex (UK)
Cornell University	University of Geneva (Switzerland)
Dartmouth College	University of Glasgow (UK)
DePaul University	University of Gothenburg (Sweden)
Di Tella Institute (Argentina)	University of Illinois
Duke University	University of Indiana
Ecole Pratique des Hautes Etudes (France)	University of Iowa
Emory University	University of Jerusalem (Israel)
Flinders University	University of Kansas
Franklin and Marshall University	University of La Plata (Argentina)
Freie Universitat Berlin (Germany)	University of Leiden (The Netherlands)
Georgia Institute of Technology	University of Leningrad (USSR)
Georgia State	University of Melbourne (Australia)
Gettysburg College	University of Michigan
Graduate Institute of International Studies (Switzerland)	University of Minnesota
Harvard University	University of Moscow (USSR)
Institute de Science Economique Appliquee (France)	University of Newcastle (Australia)
International Labor Institute (USSR)	University of North Carolina
Iowa State	University of Nottingham (UK)
Iowa Medical School	University of Ohio
Johns Hopkins University	University of Oslo (Norway)
La Trobe University (Australia)	University of Paris (Sorbonne)
London Guildhall University (UK)	University of Pennsylvania

London School of Economics (UK)	University of Pittsburgh
London University (UK)	University of Rochester
Lund University (Sweden)	University of Southampton (UK)
Massachusetts Institute of Technology	University of Southern Denmark- Odense
McMaster University (Canada)	University of Stockholm (Sweden)
Monash University (Australia)	University of Sussex (UK)
National University of Rosario (Argentina)	University of Sydney (Australia)
North Carolina State	University of Texas
Northwestern University	University of Tokyo (Japan)
Ohio State University	University of Virginia
Oklahoma State	University of Washington
Oxford University	University of Washington in St. Louis
Princeton University	University of Western Ontario (Canada)
Purdue University	University of Wisconsin
Queen's University (Canada)	Uppsala University (Sweden)
Rhur Universitat (Germany)	U.S.A Institute (USSR)
Royal Swedish Academy of Science (Sweden)	Virginia Polytechnic Institute
Rutgers University	Wellesley College
Southwestern University	Wesleyan University
Stanford University	Western Michigan University
State University of New York (Buffalo)	Westfalische Wilhelms Universitat (Germany)
Stockholm School of Economics (Sweden)	Wheaton College
Tel Aviv University (Israel)	Williams College
Tufts University	Yale University
Tulane University	Yeshiva University
Vanderbilt University	
Umeå University (Sweden)	

## 1996

American Council of Learned Societies  
 Chamber of Commerce & Industry (Korea)  
 Chicago State University  
 CPE Conference on Aging of Union Army Veterans  
 Dong-A University (Korea)  
 Fundamental Limits to Knowledge in Economics Conference  
 Islamic Development Bank (Saudi Arabia)  
 Japan Center for Economic Research  
 Kansai Economic Research Center (Japan)  
 Korea Development Institute  
 London Guildhall University (UK)  
 Loyola University  
 McArthur Lectures at University of Cambridge (UK)



Meeting of the Socioeconomic Historical Association (Japan)  
NBER Conference on Aging  
Northern Illinois University  
Osaka Gakuin University (Japan)  
Seoul National University (Korea)  
Widener University

### **1997**

Lecture to the 67<sup>th</sup> class of the Executive MBA Program at the Graduate School of Business, University of Chicago

### **1998**

Academia Sinica (Taiwan)  
Brigham Young University  
National Taiwan University  
Wheaton College

### **1999**

American Enterprise Institute  
Binghamton University  
Trinity College (UK)  
University of Akron

### **2000**

American Enterprise Institute  
Graduate School of Business Boston Alumni Club  
Graduate School of Business (Singapore)  
Harvard Club of Boston  
Harvard Club of New York  
Hong Kong Polytechnic University  
University of Chicago Business School Club of New York  
World Bank

### **2001**

Baylor University  
Brent House, University of Chicago  
China Center for Economic Research, Peking University (China)  
Graduate Business Council  
Historical Sociology and Comparative Political Economy Workshop, University of Chicago  
Illinois Agricultural Foundation Leadership Meeting  
Louisiana State University  
Örebro University  
Walter Lynwood Fleming Lectures, Louisiana State University

## **2002**

Carleton College  
Department of Health Studies, University of Chicago  
Gilder and Lehman Center for the Study of Slavery, Resistance, and Abolition, Yale University  
INSEASD  
Pan-American Health Organization  
Trend Alaska Conference  
University of California-Los Angeles  
University of Chicago Law School

## **2003**

Conference on the Right to Food and the Costs of Hunger (Italy)  
Faculty Workshop on Medicine and the Social Sciences, University of Chicago  
Population Association of America Annual Meeting  
Sweet Briar College

## **2004**

Center for Health and Well-being, Princeton University  
China Center for Economic Research, Peking University (China)  
Chinese Academy of Agricultural Sciences  
Chinese Economists Society  
International Food Policy Research Institute  
International Monetary Fund  
Nobel Laureates Meeting (Germany)  
School of Industrial and Labor Relations, Cornell University  
Shanghai University of Finance and Economics  
University of California-Berkeley  
Zhejiang University (China)

## **2005**

College of International Education, Capital Normal University (China)  
Department of Economics, University of Arizona  
Institute for Ethics, American Medical Association  
Institute of Government and Public Affairs, University of Illinois at Chicago  
International Longevity Center  
NORC  
School of Economics and Management, Lund University (Sweden)  
School of Health Management and Policy, W.P. Carey School of Business, Arizona State University  
UNESCO (France)  
Zhejiang University (China)

## **2006**

Belmont University  
Department of Economics, Northwestern University  
Federal Reserve Bank of Atlanta  
International Economic History Congress  
International Longevity Center  
National Academy of Science  
University of Vermont

## **2007**

Dean's International Council, Harris School of Public Policy, University of Chicago  
KPMG/GSB Mergers and Acquisitions Forum  
University of Chicago Paris Center

## **2008**

Conference on China's Economic Transformation Program, University of Chicago  
Department of Economics, University of California-Los Angeles  
International Longevity Center  
Nobel Laureates Meetings (Lindau, Germany)

## **2009**

Economics and Catholic Social Thought conference, Lumen Christi Institute  
All Souls College, Oxford University  
American Economics Association  
International Longevity Center  
Les Recontres Économiques d'Aix-en-Provence  
London School of Economics  
Nestlé Research Center

## **2010**

Global Health and Medical Ethics Faculty Seminar, University of Chicago  
Economics and Catholic Social Thought conference, Lumen Christi Institute

## **2011**

School of Public Health, University of Alabama at Birmingham  
Ronald Coase Institute, University of Chicago  
Scherer Center, University of Chicago

### **Books Published or Accepted for Publication:**

1960. *The Union Pacific Railroad: A Case in Premature Enterprise*. Baltimore: Johns Hopkins.

1964. *Railroads and American Economic Growth: Essays in Econometric History*. Baltimore: Johns Hopkins.
1971. *The Reinterpretation of American Economic History* (with Stanley L. Engerman). New York: Harper & Row.
1972. *The Dimensions of Quantitative Research in History* (with W.O. Aydelotte and A.G. Bogue). Princeton: Princeton University Press.
1974. *Time on the Cross: The Economics of American Negro Slavery* (with Stanley L. Engerman). Boston: Little, Brown.
1977. *Ten Lectures on the New Economic History* (in Japanese).
1981. *Aging: Stability and Change in the Family* (with E. Hatfield, S. Kiesler, E. Shanas). New York: Academic Press.
1982. Trends in Nutrition, Labor Welfare, and Labor Productivity (with Stanley L. Engerman). *Social Science History* 6 no. 4.
1983. *Which Road to the Past? Two Views of History* (with G.R. Elton). New Haven: Yale University Press.
1986. *Long-Term Changes in Nutrition and the Standard of Living (Ninth Congress of the International Economic History Association, Bern)*.
1989. *Without Consent or Contract: The Rise and Fall of American Slavery*. New York: W.W. Norton.
1992. *Without Consent or Contract: The Rise and Fall of American Slavery, Volume 2: Evidence and Methods* (with Ralph A. Galantine and Richard L. Manning). New York: W.W. Norton.
1992. *Without Consent or Contract: The Rise and Fall of American Slavery, Volume 3: Technical Papers, Volume 1: Markets and Production* (with Stanley L. Engerman). New York: W.W. Norton
1992. *Without Consent or Contract: The Rise and Fall of American Slavery, Volume 4: Technical Papers, Volume 2: Conditions of Slave Life and the Transition to Freedom* (with Stanley L. Engerman). New York: W.W. Norton.
1997. *When Will Humanity Finally Escape from Chronic Malnutrition?* Nestlé.
2000. *Long Life in the Modern World: Changes in the Process of Ageing*. Egham: Royal Holloway.
2000. *The Fourth Great Awakening and the Future of Egalitarianism*. Chicago: University of Chicago Press.
2003. *The Slavery Debates, 1952–1990: A Retrospective*. Baton Rouge: Louisiana State University Press.
2004. *The Escape from Hunger and Premature Death, 1700–2100: Europe, America, and the Third World*. Cambridge: Cambridge University Press.

2011. *The Changing Body: Health, Nutrition, and Human Development in the Western World since 1700* (with Roderick Floud, Bernard Harris, and Sok Chul Hong). Cambridge: Cambridge University Press.

**Books in Progress:**

*Enid and Bob: An American Odyssey.*

*The Creation of the Welfare State: Simon Kuznets and the Empirical Tradition in Economics* (with Enid M. Fogel, Mark Guglielmo, and Nathaniel Grotte).

*The Transformation of Economics, 1914–1980: Interviews with Economists* (with Enid M. Fogel and Mark Guglielmo).

**Papers Published or Accepted for Publication:**

1962. A quantitative approach to the study of railroads in American economic growth: A report of some preliminary findings. *Journal of Economic History* 22: 163–197.

1964. A provisional view of the “New Economic History.” *American Economic Review* May.

1965. The reunification of economic history with economic theory. *American Economic Review* 55: 92–98.

1965. American interregional trade in the nineteenth century. In *New Views on American Economic Development*, ed. R. Andreano, 213–224. Cambridge, MA: Shenkman.

1965. Railroads and the axiom of indispensability. In *New Views on American Economic Development*, ed. R. Andreano, 225–241. Cambridge, MA: Shenkman.

1966. Railroads as an analogy to the space effort. *Economic Journal* 76: 16–43.

1966. The new economic history: Its findings and methods. *Economic History Review* 19: 642–656.

1967. The specification problem in economic history. *Journal of Economic History* 27: 283–308.

1968. Econometrics and southern economic history: A comment. *Explorations in Entrepreneurial History* 6: 54–58.

1969. A model for the explanation of industrial expansion during the nineteenth century: With an application to the American iron industry (with Stanley L. Engerman). *Journal of Political Economy* 77: 306–328.

1970. Historiography and retrospective econometrics. *History and Theory* 9: 245–264.

1971. The relative efficiency of slavery: A comparison of northern and southern agriculture in the United States during 1860 (with Stanley L. Engerman). *Explorations in Economic History* 8: 353–367.
1971. Quantitative economic history: An interim evaluation: Past trends and present tendencies (with Albert Fishlow). *Journal of Economic History* 31: 15–42.
1972. Current directions in economic history: A note. *Journal of Economic History* 32: 1–2.
1972. The efficiency effects of federal land policy, 1850–1900: Some provisional findings (with J.L. Rutner). In *The Dimensions of Quantitative Research in History*, ed. W.O. Aydelotte, A.G. Bogue, and R.W. Fogel, 390–418. Princeton: Princeton University Press.
1972. New directions in black history. *Forum* Spring.
1974. Philanthropy at bargain prices: Notes on the economics of gradual emancipation (with Stanley L. Engerman). *Journal of Legal Studies* 3: 377–401.
1975. The limits of quantitative methods in history. *American Historical Review* 80: 329–350.
1975. Three phases of cliometric research on slavery and its aftermath. *American Economic Review* 65: 37–46.
1975. From the Marxists to the Mormons. *Times Literary Supplement* 13 June.
1976. A comparison of the efficiency of slave and free agricultural labor in the United States during 1860 (with Stanley L. Engerman). In *Papers of the Fifth International Congress on Economic History, Leningrad 1970, Volume 7*, ed. H. Van der Wee, V.A. Vinogradov, and G.G. Kotovsky, 141–145. Moscow: INION AN SSSR.
1977. Explaining the relative efficiency of slave agriculture in the antebellum south (with Stanley L. Engerman). *American Economic Review* 67: 275–296.
1977. Cliometrics and culture: Some recent developments in the historiography of slavery. *Journal of Social History* 11: 34–51.
1978. The economics of mortality in North America, 1650–1910: A description of a research project (with others). *Historical Methods* 11: 75–108.
1979. Notes on the social saving controversy. *Journal of Economic History* 39: 1–54.
1979. Recent findings on slave demography and family structure (with Stanley L. Engerman). *Sociology and Social Research* 63: 566–589.
1980. Explaining the relative efficiency of slave agriculture in the antebellum south: Reply (with Stanley L. Engerman). *American Economic Review* 70: 672–690.

1982. "Scientific" history and traditional history. In *Logic, Methodology, and Philosophy of Science VI: Proceedings of the Sixth International Congress of Logic, Methodology, and Philosophy of Science, Hannover, 1979*, ed. L.J. Cohen, J. Los, H. Pfeiffer, and K.P. Podewski. Amsterdam: North-Holland.
1982. Circumstantial evidence in "scientific" and traditional history. In *Philosophy of History and Contemporary Historiography*, ed. D. Carr, W. Dray, T.F. Geraets, F. Ooulet, and H. Watelet, 61–112. Ottawa: University of Ottawa Press.
1982. Exploring the uses of data on height: The analysis of long-term trends in nutrition, labor welfare, and labor productivity (with Stanley L. Engerman and J. Trussell). *Social Science History* 6: 401–421.
1983. Secular changes in American and British stature and nutrition (with others). *Journal of Interdisciplinary History* 14: 445–481.
1986. Physical growth as a measure of the economic well-being of populations: The eighteenth and nineteenth centuries. In *Human Growth, Second Edition, Volume 3*, ed. F. Falkner and J.M. Tanner, 263–281.
1986. Nutrition and decline in mortality since 1700: Some preliminary findings. In *Long-Term Factors in American Economic Growth, NBER Studies in Income and Wealth, Volume 51*, ed. S.L. Engerman and R.E. Gallman, 439–527. Chicago: University of Chicago Press.
1989. Afterword: Some notes on the scientific methods of Simon Kuznets. In *Economic Development, the Family, and Income Distribution: Selected Essays*, S. Kuznets. Cambridge: Cambridge University Press.
1989. Afterword (to the 1989 edition of *Time on the Cross*) (with Stanley L. Engerman. New York: W.W. Norton.
1991. The conquest of high mortality and hunger in Europe and America: Timing and mechanisms. In *Favorites of Fortune: Technology, Growth, and Economic Development since the Industrial Revolution*, ed. D. Landes, P. Higgonet, and H. Rosovsky, 33–71. Cambridge, MA: Harvard University Press.
1992. Problems in modeling complex dynamic interactions: The political realignment of the 1850s. *Economics and Politics* 4: 215–254.
1992. Second thoughts on the European escape from hunger: Famines, chronic malnutrition, and mortality rates. In *Nutrition and Poverty*, ed. S.R. Osmani, 243–286. Oxford: Clarendon Press.
1993. Toward a new synthesis on the role of economic issues in the political realignment of the 1850s. In *American Economic Development in Historical Perspective*, ed. T. Weiss and D. Schaefer, 179–204. Stanford: Stanford University Press
1993. New sources and new techniques for the study of secular trends in nutritional status, health, mortality, and the process of aging. *Historical Methods* 26: 5–43.
1994. The relevance of Malthus for the study of morality today: Long-run influences on health, mortality, labor force participation, and population growth. In *Population and Economic Development*

*and the Environment*, ed. K. Lindahl-Kiessling and H. Landberg, 231–284. Oxford: Oxford University Press.

1994. Waaler curves and surfaces: A new analytic tool. In *Primum Nil Effundere—du skal ikke sløse: Festskrift til Hans Th. Waaler*, ed. A. Bjørndal, T. Iversen, and E. Nygaard, 81–85. Oslo: Folkehelsa Press.

1994. The quest for the moral problem of slavery: An historiographic odyssey. The 33<sup>rd</sup> Annual Robert Fortenbaugh Memorial Lecture, Gettysburg College.

1994. Economic growth, population theory, and physiology: The bearing of long-term processes on the making of economic policy. *American Economic Review* 84: 369–395.

1995. Anthropometric history: The first two decades of a new field of research. In *Essays on Auxology Presented to James Mourilyan Tanner by Former Colleagues and Fellows*, ed. R. Hauspie, G. Lindgren, and F. Falkner, 271–284. Welwyn Garden City: Castlemead Publications.

1995. The contribution of improved nutrition to the decline in mortality rates in Europe and America. In *The State of Humanity*, ed. J.L. Simon. Oxford: Blackwell.

1995. History with numbers: The American experience. In *Pour Une Histoire Économique et Sociale Internationale: Mélanges offerts à Paul Bairoch*, ed. B. Etemad, J. Batou, and T. David, 47–56. Geneva: Editions Passé Présent.

1996. A life of learning: The 1996 Charles Homer Haskins lecture. American Council of Learned Societies Occasional Paper series, no. 34.

1996. The fourth great awakening. *The Wall Street Journal* – Eastern Edition, January 9: A14.

1996. New findings about trends in life expectation and chronic diseases: The implications for health costs and pensions. GSB Selected Paper series, University of Chicago, no. 76.

1996. The world economy—Where to? *Proceedings of the Winconference*. Geneva.

1997. New findings on secular trends in nutrition and mortality: Some implications for population theory. In *Handbook of Population and Family Economics Volume 1A*, ed. M.R. Rosenzweig and O. Stark, 433–481. Amsterdam: Elsevier Science.

1997. A theory of technophysio evolution with some implications for forecasting population, health care costs, and pension costs (with D.L. Costa). *Demography* 34: 49–66.

1997. Economic and social structure for an ageing population. *Philosophical Transactions of the Royal Society, Series B: Biological Sciences* 325: 1905–1917.

1997. Douglass C. North and economic theory. In *The Frontiers of the New Institutional Economics*, ed. J.N. Dobrak and J.C. Nye, 13–28. San Diego: Academic Press.

1998. Have the extent and impact of chronic malnutrition been underestimated? A theory of technophysio evolution and its implications for nutritional standards. In *Contemporary Economic Issues*:



*Proceedings of the Eleventh World Congress of the International Economic Association, Tunis, Volume 2: Labour, Food, and Poverty*, ed. Y. Mundlak, 103–131. Houndmills: Macmillan.

1999. Catching up with the economy (presidential lecture). *American Economic Review* 89: 1–21.

1999. Aspects of economic growth: A comparison of the U.S. and China. Lecture at the Center for China Economic Research, Peking University. *China Youth News*, July 2.

1999. Preface. In *America's Eating Habits: Changes and Consequences*, ed. E. Frazão. Agriculture Information Bulletin NO. 750 (AIB-750). Washington, D.C.: U.S. Department of Agriculture, Economic Research Service.

2000. Can we afford longevity? In *Longevity and Quality of Life: Opportunities and Challenges*, ed. R. N. Butler and C. Jasmin, 47–59. Proceedings of the International Council for Global Health Progress Congress: Worldwide Revolution in Longevity and Quality of Life. (UNESCO, Paris; May 18-20, 1998.) New York: Kluwer Academic/Plenum Publishers.

2000. The extension of life in developed countries and its implications for social policy in the twenty-first century. In *Population and Economic Change in East Asia*, ed. C.Y. Cyrus Chu and R. Lee. *Population and Development Review* 26 (suppl.): 291–317.

2000. Global economic growth and its implications for China. In *China Hi-Tech Fair 2000: China Hi-Tech Forum* 35–46.

2000. The changing nature of economic growth. *L'Ateneo* 19: 67–69.

2001. Simon S. Kuznets, 1901–1985: A biographical memoir by Robert W. Fogel. *National Academy of Sciences Biographical Memoirs* 79. Washington, D.C.: National Academy Press.

2001. Forecasting the demand for health care in China. *China & World Economy* 9: 9-15.

2002. Who gets health care? (with Chulhee Lee). *Daedalus* 131: 107–117.

2002. Economic and technological development and their relationships with body size and productivity (with Lorenz Helmchen). In *The Nutrition Transition: Diet and Disease in the Modern World*, ed. B. Cabalero and B.M. Popkin, 9–24. London: Academic Press.

2002. Biotechnology and the burden of age-related diseases. In *Biotechnology and Healthy Ageing: Policy Implications of New Research (Proceedings of the OECD Workshop on Healthy Ageing and Biotechnology: Research and Policy Issues, November 13–14, 2000, Tokyo, Japan)* 25–36. Paris: OECD>

2002. Auxology and economics. In *Human Growth from Conception to Maturity*, ed. G. Gilli, L. Schell, and L. Benso, 1–11. London: Smith-Gordon.

2003. Forecasting the demand for health care in OECD nations and China. *Contemporary Economic Policy* 21: 1–10.

2003. Secular trends in physiological capital: Implications for equity in health care. *Perspectives in Biology and Medicine* 46 (suppl.): S24-S38.
2004. Changes in the process of aging during the twentieth century: Findings and procedures of the *Early Indicators* project. In *Aging, Health, and Public Policy*, ed. L.J. Waite, *Population and Development Review* 30 (suppl.): 19-47.
2004. Expert panel review. In *Global Crises, Global Solutions*, ed. B. Lomborg, 612-614. Cambridge: Cambridge University Press.
2004. Health, nutrition, and economic growth. *Economic Development and Cultural Change* 52: 643-658.
2004. Technophysio evolution and the measurement of economic growth. *Journal of Evolutionary Economics* 14: 217-221.
2005. Changes in the disparities in chronic diseases during the course of the twentieth century. *Perspectives in Biology and Medicine* 48 (suppl.): S150-S165.
2005. Reconsidering expectations of economic growth after World War II from the perspective of 2004. *IMF Staff Papers* 52: 6-14.
2007. Capitalism and democracy in 2040. *Daedalus* Summer: 87-95.
2007. Foreword: Toward an era of longevity and wealth. In *Lessons from Pension Reform in the Americas*, ed. SJ Kay. New York: Oxford University Press.
2007. Health, science, and wealth (with Stanley Prusiner). *International Longevity Center Occasional Papers*. New York: ILC-USA.
2008. Reconsidering expectations of economic growth after World War II from the perspective of 2004. In *Prosperity Index: An Introduction*, ed. A.B. Joshi, 121-131. Hyderabad: Icfai University Press.
2009. Economic and social structure for an ageing population. In *Sociology of Aging: A Reader*, ed. A.K. Sahoo, G.J. Andrews, S.I. Rajan, 121-142. New Delhi: Rawat Publications.
2009. Forecasting the cost of U.S. health care in 2040. *Journal of Policy Modeling* 31.
2009. Biotechnology and the burden of age-related diseases. In *Human Capital and Institutions: A Long-Run View*, ed. F. Lewis, 11-26. Cambridge: Cambridge University Press.
2009. Arthritis: Changes in its prevalence during the 19<sup>th</sup> and 20<sup>th</sup> centuries (with Paula Canavese). In *Health in Older Ages: The Causes and Consequences of Declining Disability among the Elderly*, ed. D.M. Cutler and D.A. Wise. Chicago: University of Chicago Press.
2009. Forecasting the cost of U.S. health care. *The American*, September 3. Available online at <http://www.american.com/archive/2009/september/forecasting-the-cost-of-u-s-healthcare>.

2009. The new global challenges. In *Actes des Recontres Économiques d'Aix-en-Provence 2009: Croissance, démographie, finance: Des ruptures aux nouveaux équilibres*. Paris: Le Cercle des Économistes. (Also published in 2010 as "Les nouveaux défis mondiaux" in *Le Choc des Populations: Guerre ou Paix*, ed. P Dockès, JH Lorenzi. Paris: Fayard.)

2010. Why China's economy will grow to \$123 trillion by 2040. *Foreign Policy* January/February 2010.

2010. Why China is likely to achieve its growth objectives. In *Investing for Human Capital for Economic Development in China*, ed. G.G. Liu, S. Zhang, Z. Zhang. Shanghai: World Scientific Publishing Company.

2011. The impact of the Asian miracle on the theory of economic growth. In *Understanding Long-Run Economic Growth: Geography, Institutions, and the Knowledge Economy*, ed. D.L. Costa and N.R. Lamoreaux. Chicago: University of Chicago Press for NBER.

### **NBER Working Papers**

1982. The economics of mortality in North America, 1650–1910: A description of a research project (with Stanley L. Engerman and others). NBER Working Paper r0236.

1982. Changes in American and British statures since the mid-eighteenth century: A preliminary report on the usefulness of data on height for the analysis of secular trends in nutrition, labor productivity, and labor welfare (with Stanley L. Engerman and others). NBER Working Paper w890.

1984. Nutrition and the decline in mortality since 1700: Some additional preliminary findings. NBER Working Paper w1402.

1986. Nutrition and the decline in mortality since 1700: Some additional preliminary findings. NBER Working Paper w1802.

1987. Some notes on the scientific methods of Simon Kuznets. NBER Working Paper w2461.

1989. Second thoughts on the European escape from hunger: Famines, price elasticities, entitlements, chronic malnutrition, and mortality rates. NBER Working Paper h0001.

1990. The conquest of high mortality and hunger in Europe and America: Timing and mechanisms. NBER Working Paper h0016.

1992. Toward a new synthesis on the role of economic issues in the political realignment of the 1850s. NBER Working Paper h0034.

1992. Early indicators of later work levels, disease, and death (with Larry T. Wimmer). NBER Working Paper h0038.

1993. Problems in modeling complex dynamic interactions: The political realignment of the 1850s. NBER Working Paper h0012.

1993. New sources and new techniques for the study of secular trends nutritional status, health, mortality, and the process of aging. NBER Working Paper h0026.

1994. The relevance of Malthus for the study of mortality today: Long-run influences on health, mortality, labor force participation, and population growth. NBER Working Paper h0054

1994. Economic growth, population theory, and physiology: The bearing of long-term processes on the making of economic policy. NBER Working Paper w4638.

2000. Simon S. Kuznets: April 30, 1901–July 9, 1985. NBER Working Paper w7787.

2003. Who gets health care? (with Chulhee Lee). NBER Working Paper w9870.

2003. Changes in the process of aging during the twentieth century: Findings and procedures of the *Early Indicators* project. NBER Working Paper w9941.

2003. Secular trends in physiological capital: Implications for equity in health care. NBER Working Paper w9771.

2004. High-performing Asian economies. NBER Working Paper w10752.

2005. Changes in the physiology of aging during the twentieth century. NBER Working Paper w11233.

2006. Why China is likely to achieve its growth objectives. NBER Working Paper w12122.

2007. Capitalism and democracy in 2040: Forecasts and speculations. NBER Working Paper w13184.

2008. Forecasting the cost of U.S. health care in 2040. NBER Working Paper w14361.

2009. The impact of the Asian miracle on the theory of economic growth. NBER Working Paper w14967.

2010. Further comments on the impact of the Asian miracle on the theory of economic growth. NBER Working Paper w15721.

2010. Diet, health, and work intensity in England and Wales, 1700–1914 (with Bernard Harris, Roderick Floud, and Sok Chul Hong). NBER Working Paper w15875.

2011. An overview of *The Changing Body: Health, Nutrition, and Human Development in the Western World since 1700* (with Nathaniel Grotte). NBER Working Paper w16938.

2011. Was what ail'd ya' what kill'd ya'? (with Louis Cain, Joseph Burton, and Brian Bettenhausen). NBER Working Paper w17322.