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EDUCATION

STANFORD UNIVERSITY **Ph.D. (1985), M.A. (1980)** Economics

DISSERTATION: Public Policy, Planning Horizons and Organizational Breakdown:
A Post-Mortem on British Canals and Their Failure

HARVARD COLLEGE **B.A., magna cum laude (1968)** Economics

HONORS THESIS: Competition Theory and the Welfare Optimum: A Methodological Analysis

PROFESSIONAL EXPERIENCE

CONSULTING AND ACADEMIC RESEARCH:

- 1992-present President and Founder **ECONOLOGISTICS**, Ipswich, MA
- ♦ *specializing in antitrust analysis, economic litigation, transfer pricing and business consulting*
- 1991-92 Sr. Mgr., Office of Fedl Tax Svcs **ARTHUR ANDERSEN & CO.**, Washington, DC
- ♦ *analyzed transfer pricing policies of multinational firms in auto, tool, apparel & software industries*
 - ♦ *developed proposals for internal systems improvements and a practice development marketing plan*
- 1988-91 Economic and Business Consultant **CHARLES RIVER ASSOCIATES, Inc.**, Boston, MA
- ♦ *prepared documentation and testimony for FTC antitrust hearings on merger proposals and other issues*
 - ♦ *prepared documentation and testimony for antitrust cases in various industries (appliances, paper, etc.)*
 - ♦ *analyzed tax implications of transfer pricing policies between multinational firms and subsidiaries*
 - ♦ *evaluated demand forecasts and researched pricing by electric utilities in major bond fraud case*
 - ♦ *prepared documentation and testimony on US Census data collection and processing schedules*
- 1988 Economic and Business Consultant **MAC RESEARCH GROUP, Inc.**, Cambridge, MA
- ♦ *prepared testimony in tax matter on technical obsolescence of plants in auto industry*
- 1976-77 Research Assistant **STANFORD ECONOMICS DEPT.**, Palo Alto, CA
- ♦ *gathered and processed statistical data for various projects and studies in economic history*
 - ♦ *verified statistical and mathematical analyses in the preparation of manuscripts for publication*
- 1976-77 Summer Research Fellow **INST. FOR HUMANE STUDIES**, Menlo Park, CA
- ♦ *analyzed construction costs data for British canal system as part of dissertation proposal*
 - ♦ *developed a general systems (monopolistic competition) model of transport pricing decisions*
- 1973-74 Research Assistant **CHARLES RIVER ASSOCIATES**, Cambridge, MA
- ♦ *conducted statistical and theoretical analyses of antitrust issues in broadcast industry*
 - ♦ *prepared studies relating to the regulation and profitability of transportation alternatives*
- 1969-72 Independent Research Fellow **INST. FOR HUMANE STUDIES**, Menlo Park, CA
- ♦ *pursued a self-designed study program in economics, philosophy, psychology, and the sciences*
- 1968-69 Junior Medicare Accountant **MASS. BLUE CROSS-BLUE SHIELD**, Boston, MA
- ♦ *worked with professional accountants to coordinate and verify hospital medicare audit procedures*

EDUCATION AND TEACHING:

- 1985-87 Assistant Professor of Economics **BENTLEY COLLEGE**, Waltham, MA
- ◆ *taught courses in introductory and intermediate microeconomics and macroeconomics*
 - ◆ *team taught in an interdisciplinary business ethics course called "Values and Choices"*
- 1979-83 Instructor of Economics **TUFTS UNIVERSITY**, Medford, MA
- ◆ *taught courses in introductory, intermediate and graduate microeconomics*
 - ◆ *developed and taught a course in "The Roots of Modern (20th Century) Economics"*
- 1976-78 Educational Consultant **STANFORD CTR. FOR TEACHING & LEARNING**
- ◆ *videotaped classes and counselled teachers on pedagogical approaches and techniques*
 - ◆ *assisted in program development and the training of educational counsellors*
- 1975-78 Teaching Fellow in Economics **STANFORD UNIVERSITY**, Palo Alto, CA
- ◆ *developed and taught a workshop in teaching techniques and problem-solving approaches*
 - ◆ *teaching assistant in economic principles and comparative economic systems courses*

ADMINISTRATIVE LEADERSHIP:

- 2018-present Vice Chair; Member, Executive Committee **MA/RI COUNCIL OF TROUT UNLIMITED**
- 2016-2017 Secretary; Member, Executive Committee **MA/RI COUNCIL OF TROUT UNLIMITED**
- 2006-present Member, Board of Directors **GREATER BOSTON TROUT UNLIMITED**
- 2013-2016 Chapter VP, President and Secretary **GREATER BOSTON TROUT UNLIMITED**
- 2012-present Member, Board of Directors **NOR'EAST CHAPTER TROUT UNLIMITED**
- 2014-2017 Chapter President **NOR'EAST CHAPTER TROUT UNLIMITED**
- 2015-present Secretary; Member, Board of Directors **NE COUNCIL, FLY FISHERS INTERNATIONAL**
- ◆ *involved in numerous projects to promote cold-water fisheries conservation and education in regional areas*
- 2003-present MA State Co-Chair **MA CHAPTER OF STRIPERS FOREVER**
- ◆ *involved in working to achieve gamefish status for striped bass in MA and along the Atlantic Coast*
 - ◆ *worked to promote legislative initiatives on gamefish, health and the economics of striped bass fishery*
- 1986-87 Founder/Organizer **THE BENTLEY PARTICIPANTS**
- ◆ *organized a three-semester series of formal discussions on topics such as: personal differences, human rights, education, death, injustice, creativity, arms race, personal and organizational growth*
- 1978-79 Resident Associate **STANFORD OFFICE OF RESIDENTIAL EDUCN.**
- ◆ *managed a high-rise apartment building housing 250 graduate students on the Stanford campus*
 - ◆ *initiated, wrote, edited, and published a biweekly newsletter for building residents*
 - ◆ *organized a year-long series of educational, social, and recreational activities for residents*
- 1977-79 Founder and First President **STANFORD GRADUATE STUDENT ASSN.**
- ◆ *created a university-wide graduate student organization with a fully-staffed committee structure*
 - ◆ *worked to encourage more graduate student involvement with and financial aid from Stanford*
- 1977-78 Chair of Special Commission **A.S.S.U. ELECTION REVIEW BOARD**
- ◆ *resolved a constitutional crisis over student senate elections during the fall quarter of 1977-78*
 - ◆ *designed and secured the Board's unanimous support for a new system of student representation*
 - ◆ *prepared, authored, and published a 212-page report on our deliberations and recommendations*
- 1976-77 Student Body Co-President **ASSOCIATED STUDENTS OF STANFORD UNIV.**
- ◆ *participated in a successful effort to establish an official university-wide course evaluation system*
 - ◆ *initiated a successful proposal for a budgeted program for teaching improvement at Stanford*
 - ◆ *drafted and developed a proposal for a much-needed Graduate Student Association at Stanford*
- 1974-76 Chairperson and Representative **STANFORD GRADUATE STUDENT COUNCIL**
- ◆ *economics department representative for two years; chairperson during the second of those years*
 - ◆ *conducted and coordinated detailed studies of graduate aid and teacher training proposals*
 - ◆ *prepared and published a report on alternative forms of graduate financial aid at Stanford*

SELECTED PUBLICATIONS, PREPARATIONS, AND PRESENTATIONS

Numerous confidential reports, market analyses, industry studies and prepared testimony on various matters for private consulting clients and attorneys in antitrust, transfer pricing and other cases since 1988.

THE ECONOMICS OF HORIZON EFFECTS: Why Economics Falls Short of Human Needs, and How to Refocus It onto What Matters, Lambert Academic Publishing, Saarbrücken, Germany, 2017

THE HUMAN ECOLOGY OF HORIZON EFFECTS: The Social, Ethical and Ecological Impact of Competition and Myopic Cultures, Lambert Academic Publishing, Saarbrücken, Germany, 2017

NATURE'S SONG, INHUMAN SOCIETY: A FLY CAST TO THE WILD – Fishing for Truth in Economics, unpublished manuscript, 2016

"A Report on the Economic Value and Impact of the MA Wild Striped Bass Fishery" issued in August 2016 by CEEEEE, to be expanded into a series of similar statewide reports on the Atlantic coastal wild striped bass fishery.

"Competitive Failure Due to Horizon Effects: Four Case Studies," forthcoming (in two parts) in the *Forum for Social Economics*.

"The Microeconomics of Time," written for and submitted to a special issue on "Time in Economics," *Oeconomia*, edited by John Davis et al., January 2016.

"Atoms, Bits and Wits: A New Economics for the 21st Century – Part II," *Forum for Social Economics*, Vol. XLV, No. 1, January 2016, pp. 88-109.

"The Case for Increasing Returns II: The Methods of Planning Horizons," *The Journal of Philosophical Economics: Reflections on Economic and Social Issues*, Vol. IX, Issue 2, Spring 2016, pp. 2-39.

"Abundance and Scarcity," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 1, 2015, Sage Publications, Thousand Oaks, CA, pp. 5-8.

"Benevolence," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 1, 2015, Sage Publications, Thousand Oaks, CA, pp. 189-91.

"Economic Rationality," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 2, 2015, Sage Publications, Thousand Oaks, CA, pp. 604-7.

"*Inside Job*," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 1, 2015, Sage Publications, Thousand Oaks, CA, pp. 937-39.

"Lemons, Market for," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 3, 2015, Sage Publications, Thousand Oaks, CA, pp. 1025-26.

"Libertarianism," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 3, 2015, Sage Publications, Thousand Oaks, CA, pp. 1032-34.

"Regulatory Capture," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 3, 2015, Sage Publications, Thousand Oaks, CA, pp. 1376-78.

"Willingness to Pay," in Frederick F. Wherry and Juliet Schor, eds., *The Sage Encyclopedia of Economics and Society*, Vol. 4, 2015, Sage Publications, Thousand Oaks, CA, pp. 1699-1701.

"Atoms, Bits and Wits: A New Economics for the 21st Century – Part I," *Forum for Social Economics*, Vol. XLIV, No. 3, December 2015, pp. 213-33.

"The Case for Increasing Returns I: 'The Hicksian Getaway' and 'The Hirshleifer Rescue'," *The Journal of Philosophical Economics: Reflections on Economic and Social Issues*, Vol. IX, Issue 1, Autumn 2015, pp. 5-51.

"The Methods of Planning Horizons, Increasing Returns and Complementarity," presented at the 2015 World Congress of the Association for Social Economics (ASE), St. Catherine's, Ontario, Canada, June 2015.

"The Cultural and Health Implications of Economic Complementarity," *Journal of Economic Issues*, June 2015.

"The Culture of Complementarity," presented at the 2015 Association for Evolutionary Economics (AFEE) meetings at the Allied Social Science Association (ASSA) Conference, Boston, MA, January 2015; and at the 2014 Association for Institutional Thought (AFIT) conference, Albuquerque, NM, April 2014.

"Atoms, Bits and Wits: A New Economics for the 21st Century," presented at the 2013 Association for Institutional Thought (AFIT) conference, Denver, CO, April 2013; to be published in the *Forum for Social Economics* (forthcoming in two parts).

"Addressing Sustainability: Integrating Macro Goals and Micro Techniques with Meso Analysis," presented at the 2013 Association for Institutional Thought (AFIT) conference, Denver, CO, April 2013.

"A Theory of Planning Horizons (2): The Foundation for an Ethical Economics," *Journal of Philosophical Economics*, Vol. VI, Issue 1, Autumn 2012.

"Planning Horizons as Social Conscience: The Foundation for an Ethical Economics," presented at the Association for Social Economics (ASE) 2012 World Congress, University of Glasgow, Glasgow, Scotland, June 2012.

- “Planning Horizons, Conscience and the Ethics of Externalities: Organizational Theory and the Emergence of Social Responsibility,” presented at the American Social Science Associations (ASSA) Conference in an Association for Social Economics (ASE) session, Chicago, IL, January 2012, at the 2012 Annual Conference of the International Network for Economic Research (INFER), Coimbra, Portugal, May 2012, and at the Association for Social Economics (ASE) 2012 World Congress, University of Glasgow, Glasgow, Scotland, June 2012.
- “Estimating the Cost of Monopsony Power Abuse Imposed by a Single U.S. Auto Insurer upon a Large Individual Auto Body Repair Shop,” presented at the 2012 Annual Conference of the International Network for Economic Research (INFER), Coimbra, Portugal, May 2012.
- “Social Costs and the Horizontal Approach to Ecological Economics” in Paolo Ramazzotti, Pietro Frigato, Wolfram Elsner, eds., *Social Costs Today: Institutional Analyses of the Present Crises*, Routledge Frontiers of Political Economy, New York, 2012, pp. 57-72.
- “A Theory of Planning Horizons (1): Market Design in a Post-Neoclassical World,” *Journal of Philosophical Economics*, Vol. V, Issue 2, Spring 2012.
- “Toward a Horizontal Theory of Justice: Efficiency, Equity, Rights and Capabilities in a Free Market Economy,” *Forum for Social Economics*, Vol. 39, No. 1, January 2010, pp. 77-87.
- “The Design of Free-Market Economies in a Post-Neoclassical World” presented at the School of Oriental and Asian Studies Conference on Law and Economics, September 2007; also presented at: the 2009 Annual Conference of the International Network for Economic Research (INFER), University of Stirling, Scotland, September 2009; the 2010 Allied Social Sciences Associations Meetings for the Association for Evolutionary Economics, Atlanta, GA, January 2010; the Association for Institutional Thought (AFIT) Conference, Salt Lake City, UT, April 2011; the International Consortium of Associations for Pluralism in Economics (ICAPE), Amherst, MA, November 2011.
- “Atoms, Bits and Wits: The Elements of Economics” presented at the 2010 Conference of the Association for Institutional Thought, Reno, NV, April 2010; also presented at the International Initiative for Promoting Political Economy, Second Annual Conference, Istanbul, Turkey, May 2011 and at the Association for Heterodox Economics Conference, Nottingham, U.K., July 2011.
- “The Economic Cultures of Fear and Love,” presented at the World Congress of the Association for Social Economics, Montreal, Canada, June/July 2010; also presented at the Association for Heterodox Economics Conference, Nottingham, U.K., July 2011.
- “‘The Hicksian Getaway’ and ‘The Hirshleifer Rescue’: Increasing Returns from Clapham to Kaldor” presented at the European Association for Evolutionary Political Economy Annual Conference, Rome, Italy, November 2008; also presented at: the Association for Institutional Thought Meetings at the Western Social Science Association Annual Conference, Albuquerque, New Mexico, April 2009; the European Society for the History of Economic Thought Annual Conference, Istanbul, Turkey, May 2011; International Initiative for Promoting Political Economy, Second Annual Conference, Istanbul, Turkey, May 2011.
- “The Joust and the Potlatch as Social Alternatives” presented at the Association for Social Economics Congress in Albertville, France, June 2004; also presented at the Association for Institutional Thought, 2010 Conference, Reno, NV, April 2010.
- “Six Choice Metaphors and their Social Implications,” *Journal of Philosophical Economics*, Vol. II, Issue 2, Spring, 2009.
- “A New Economics of Complementarity, Increasing Returns and Planning Horizons” in Wolfram Elsner and Hardy Hanappi (eds.), *Varieties of Capitalism and New Institutional Deals: Regulation, Welfare and the New Economy*, Edward Elgar, Cheltenham, England, 2008.
- Regional Economic Policy in Europe: New Challenges for Theory, Empirics and Normative Interventions*, Ulrike Stierle-von Schutz, Michael H. Stierle, Frederic B. Jennings Jr. and Adrian T.H. Kuah (eds.), Edward Elgar, Cheltenham, England, 2008.
- “A Horizontal Theory of Pricing in the New Information Economy” in Christian Richter (ed.), *Bounded Rationality in Economics and Finance*, LIT Verlag, Berlin, 2008.
- “A Cognitive View of Scale and Growth” in Robert L. Chapman (ed.), *Creating Sustainability Within Our Midst: Challenges for the 21st Century*, Pace University Press, New York, NY, 2008.
- “Horizon Effects, Sustainability, Education and Ethics: Toward an Economics of Foresight” in Christian Richter (ed.), *Bounded Rationality in Economics and Finance*, LIT Verlag, Berlin, 2008.
- “Six Choice Metaphors and their Economic Implications” first presented at the Association for Institutional Thought Meetings at the Western Social Science Association Annual Conference, Denver, Colorado, April 2008; also at the International Network for Economic Research Annual Conference, Evora, Portugal, September 2008.
- “Does Competition Advance or Retard Economic Development? – An Institutional View” presented at the European Association for Evolutionary Political Economy Conference, Porto, Portugal, November 2007; also presented at: a Conference on “Theory and Evidence of Growth, Trade and Economic Development, with Special Reference to

- Latin America” at the Instituto Polytechnica Nazionale, Mexico City, Mexico, September 2008; International Initiative for Promoting Political Economy, Second Annual Conference, Istanbul, Turkey, May 2011.
- “The Economics of Conscience and the Ethics of Externalities” presented at the International Network for Economic Research Annual Conference, Cork, Ireland, October 2007; published in Christian Richter, Antonio Caleiro, and Carlos and Isabel Vieira, eds., *Challenges for Economic Policy Design: Lessons from the Financial Crisis*, Lambert Academic Publishing, Saarbrücken, Germany, 2009.
- “Complexity and Complementarity: A Horizontal Economics of Conscience” presented at the International Conference on Complex Systems hosted by the New England Complex System Institute in Quincy, MA, October 2007
- “The Economics of Love” presented at the International Network for Economic Research Annual Conference, Cork, Ireland, October 2007; published in Christian Richter, Antonio Caleiro, and Carlos and Isabel Vieira, eds., *Challenges for Economic Policy Design: Lessons from the Financial Crisis*, Lambert Academic Publishing, Saarbrücken, Germany, 2009.
- “Competition or Collaboration? – The Interrelations of Firms and Agents in Regional Economic Development” presented at the International Network for Economic Research Workshop on Regional Economic Development, University of Wooster, Wooster, Ohio, July 2007.
- “Toward an Ethical Economics of Planning Horizons and Complementarity” presented at the Association for Social Economics Congress in Amsterdam, The Netherlands, June 2007; published in John B. Davis, ed., *Global Social Economy: Development, Work and Policy*, Routledge (Springer), New York, 2009.
- “Hammers, Nails and New Constructions – Orthodoxy or Pluralism?: An Institutional View” first presented at the Conference of the International Consortium of Associations for Pluralism in Economics, University of Utah, Salt Lake City, UT, June 2007; also presented at the Association for Institutional Thought Meetings at the Western Social Science Association Annual Conference, Denver, Colorado, April 2008.
- “Horizon Effects and the British Canals: An Institutional View” in Frank Fichert, Justus Haucap, Kai Rommel (eds.), *Competition Policy in Network Industries*, LIT Verlag, Berlin, 2007.
- “A Horizontal Challenge to Orthodox Theory: Competition and Cooperation in Transportation Networks” in Michael Pickhardt and Jordi Sarda Pons (eds.), *Perspectives on Competition in Transportation*, LIT Verlag, Berlin, 2006.
- “Time, Knowledge and Pricing: Toward a Horizontal Theory of Choice” presented at the International Network for Economic Research Annual Conference, London, England, October 2005.
- “Planning Horizons as an Ordinal Entropic Measure of Organization” presented at the Conference on Complex Systems, Liverpool, England, September 2005; also presented at the International Network for Economic Research Annual Conference, Evora, Portugal, September 2008 and at the United States Society for Ecological Economics Conference, Washington, DC, June 2009.
- “The Privatization of Ocean Fisheries: A Paradigmatic Systems View” presented at the United States Society for Ecological Economics (USSEE) Conference, Olympia, WA, July 2005; and the Association for Institutional Thought (AFIT) Conference, Salt Lake City, UT, April 2011.
- “How Efficiency/Equity Tradeoffs Resolve Through Horizon Effects,” *Journal of Economic Issues*, June 2005.
- “A Horizontal View of Competition in Transportation Networks” presented at the International Network for Economic Research Workshop on Competition and Networks, Reus, Spain, October 2004.
- “Interdependence, Horizon Effects and Ecological Economics,” in Raimund Bleischwitz and Oliver Budzinski, eds., *Environmental Economics: Institutions, Competition and Rationality*, VWF (Verlag für Wissenschaft und Forschung), Berlin and Wuppertal Institute, Wuppertal, Germany, September 2004.
- “Economic Analysis in a Complexly Interdependent Ecology” presented at the International Society for Ecological Economics in Montreal, Canada, July 2004.
- “Horizon Effects, Sustainability, Education and Ethics” prepared for the Australia – New Zealand Society for Ecological Economics Meetings in Auckland, New Zealand, December 2003.
- “The Ecological Economics of Horizon Effects” presented at the Canadian Society for Ecological Economics Meetings in Jasper Park, Canada, November 2003.
- “Ecology, Economics and Values,” *Environmental Health*, June 2003.
- “Four Choice Metaphors for Economic Systems Analysis” presented at the New England Complex Systems Institute’s International Conference on Complex Systems, Manchester, NH, June 2000.
- “The Answer to Steering: Educate Consumers!” (*Beyond Parts & Equipment*, June 2000).
- “Imitation Sheetmetal: An Economist Views MA Hearings” and “Practical Ways to Manage Imitation Parts Problems” (*Beyond Parts & Equipment*, May 2000).
- “A Flyfishing Ecology” (essay), *Sea Winds*, Spring 2000.
- “The Privatization of Ocean Fisheries: An Institutional View” presented at the Association for Evolutionary Economics Meetings, January 2000.

- "*Scaring the Fish*": *A Critique of the NRC's Justification for Individual Transferable Quotas (ITQs) and a 'Systems Analysis' of Their Likely Effects* (a joint CEEEE/Greenpeace publication, November 1999).
- "Four Choice Metaphors and their Pricing and Growth Implications" presented at the Atlantic Economic Society Meetings, New York, January 1995.
- "Autoglass/DRP Networks: 'Efficiency' or 'Market Power'?" (*Hammer & Dolly, Beyond Parts & Equipment, NAGC Update*, 1994).
- "The Proposed New Transfer Pricing Rules: New Wine in an Old Bottle?" (*Tax Notes*, 2/10/92, w/ G. Carlson et al.: I drafted the "arm's length" and "intangibles" sections and helped pull the whole thing together).
- "The 'Hicksian Getaway' and the 'Hirshleifer Rescue': The Debate on Increasing Returns (1922-1972)" (a paper in process presented before the Kress Society, Harvard University, February 1991).
- "Time, Knowledge and Pricing: Toward a Horizontal Theory of Choice" (written for the *Atlantic Economic Society*, Boston MA, August 1986; revised for *Western Economic Association*, Seattle WA, June 1991; revised for INFER Annual Conference 2005, London, UK, 8 October 2005).
- "Public Policy, Planning Horizons and Organizational Failure: A Post-Mortem on British Canals" (Summary of Dissertation, November 1984; revised for *Western Economic Association*, Seattle, WA, June 1991; revised for INFER Competition Workshop on "Competition Policy in Network Industries", London, UK, 30 October 2005).
- Public Policy, Planning Horizons and Organizational Breakdown: A Post-Mortem on British Canals and Their Failure* (Ph.D. Dissertation, Stanford University, 1985).
- "Academy, Society and Personal Growth: Some Thoughts on Our Modern Malaise -- For My Students" (*Tufts Meridian*, April 1983; *Bentley Vanguard*, November 1986).
- "'Whither Our Education?' -- A Lament" (*Tufts Meridian*, October 1983; *Bentley Vanguard*, April 1986).
- Democracy in Disarray: The Failures of Stanford's Student Government -- A Call for Structural Change* (ASSU Publication, May 1978).
- "The 'Rand-Polanyi Synthesis' and its Methodological Relevance to Economic Theory" (presented at the University of Delaware at Newark's *Symposium on Scientific Methodology*, November 1977).
- A Report on Graduate Financial Aid in the School of Humanities and Sciences* (jointly published by the ASSU and the Dean of Graduate Studies, Stanford University, November 1976).
- Competition Theory and the Welfare Optimum: A Methodological Analysis* (undergraduate honors thesis, Harvard Economics Department, March 1968).
- "Value, Exchange and Profit: The Bedrock of Economic Science" (*The Freeman*, September 1966; reprinted in two other journals and at least one anthology).

PROFESSIONAL INTERESTS

Industrial Organization
Public Policy and Regulation
Transport and Communications

Public Finance and Taxation
Intercompany Pricing Analysis
Social/Environmental Economics

Productivity/Economic Growth
Technology and Systems Theory
Economic/Industrial History



Fred Jennings