

September 2008

RESUME

**GARY D. LIBECAP**

Position

Donald Bren Distinguished Professor of Corporate Environmental Management, Bren School of Environmental Science and Management and Department of Economics, University of California, Santa Barbara.

Research Associate, National Bureau of Economic Research, Cambridge, Massachusetts.

Sherm and Marge Telleen Research Fellow, Hoover Institution

Research Group on Political Institutions and Economic Policy, Harvard University.

Senior Fellow, Property and Environment Research Center.

“Population and Environment in the U.S. Great Plains,” Research Project, University of Michigan, Affiliated Faculty.

Office Address

e-mail: [glibecap@bren.ucsb.edu](mailto:glibecap@bren.ucsb.edu)

Donald Bren School of Environmental Science and Management

2400 Bren Hall

University of California, Santa Barbara

Santa Barbara, California 93106

Education

Ph.D. 1976, University of Pennsylvania

M.A. 1969, University of Pennsylvania

B.A. (with High Honors), 1968, University of Montana

Awards and Responsibilities

Editor, special issue on Property Rights, Natural Resources and the Environment, *Australian Journal of Resource and Agricultural Economics*, 2009.

**National Science Foundation**, Human and Social Dynamics Program, Committee of Visitors, 2008

**University of California** Institute on Global Conflict and Cooperation, UCSD, Steering Committee, 2007-2008.

Scientific Committee, 2007- **International Center for Economic Research**, Turin Italy

Sherm and Marge Telleen Research Fellow, **Hoover Institution**, Stanford University, 2008-.

Plenary Address, “Promoting Better Environmental Outcomes,” Productivity Commission, **Australian Government**, 2008.

10<sup>th</sup> Occasional California Workshop on Environmental and Natural Resource Economics, Co-Organizer, **University of California**, Santa Barbara, 2008.

“Climate Change: Past and Present” Universities Research Conference, **National Bureau of Economic**

**Research**, co organizer, 2008.

President, 2006, **Economic History Association**

President, 2006, **Western Economics Association International**

President, 2005, **International Society for the New Institutional Economics**

Vice President, 2004, **Western Economics Association International**

Board of Editors, **Journal of Economic Behavior and Organization**, 2005-

Robert Wesson Fellow, **Hoover Institution**, 2005.

Research Associate, **National Bureau of Economic Research**, 1990-

Member, Advisory Committee on Environmental Research and Education, **National Science Foundation**, 2005-08.

Visiting Scholar, Faculty of Applied Economics, **University Paul Cezanne Aix-Marseille**, France, 2007.

Plenary Address, "Allocation within Sectors: Assigning Property Rights in the Common Pool. The Implications of the Dominance of First Possession," **Sharing the Fish 06 Conference**, Perth, Western Australia, February 2006.

**Mellon Lecturer**, Reed College, "Owens Valley and Transactions Costs in Water Transfers," "Transaction Costs and Institutional Responses to the Common Pool," Portland Oregon, January 2005

Plenary Address and Panelist, "Transaction Costs and Institutional Responses to the Common Pool," **Frontiers in Resource Management, Australian Resource and Environmental Economics Society**, Auckland, NZ, October 2004.

Plenary Address, "Transaction Costs and Institutional Responses to the Common Pool," **Canadian Resource and Environmental Economics Meetings**, Montreal, October 2002.

Visiting Scholar, **University of Paris (Pantheon-Sorbonne)**, "The Economics and Law of the Common Pool," May 2005.

Invited Lecturer, **European School on New Institutional Economics**, "Contracting for Property Rights in Environmental and Natural Resource Settings," Corsica, France, April, 2003, May, 2005.

Julian Simon Fellow, 2004, Senior Fellow, **PERC (Property and Environment Research Center)**, Bozeman, Montana

Panelist, **National Science Foundation**, Biocomplexity in the Environment, Dynamics of Coupled Natural and Human Systems, 2003-2004.

Panelist, **National Science Foundation**, Economics Panel. 1998-2000.

Panelist, **National Science Foundation**, Global Change Initiative, 1993-1995.

Vice President, **Economic History Association**, 2000-2001.

Co-Editor, **Journal of Economic History**, June 1996-2000.

Selection Panel, **Japan-US Friendship Committee** Fellowships, 2003.

Fellowship Award, 2001, **Japan-US Friendship Commission**, visiting Professor Keio University, Tokyo.

**Fulbright Fellowship**, Montevideo, Uruguay, Property Rights and Economic Development, June 1990.

**Senior Bradley Fellow**, Montana Historical Society, 1999.

Research Fellow, **International Center for Economic Research**, Turin, Italy 1998, 1999, 2001, 2003, 2005.

**John M. Olin Fellow in Law and Economics**, Cornell Law School, November 1996; USC Law Center, April 1998.

**John M. Olin Fellow in Law and Economics**, California Institute of Technology and the University of Southern California Law Center, 1992-1993.

Visiting Scholar, **John F. Kennedy Institute for North American Studies, Free University of Berlin**, December 1996-February 1997.

"Best Article for 1992," **Economic Inquiry**, Editorial Board.

Invited Lecturer, **Ronald Coase Institute**, Reykjavik, Boulder, Barcelona, Budapest, MIT, University of California, Berkeley, the University of Arizona, and International Society for the Study of the New Institutional Economics, 2007, 2006, 2005, 2004, 2003, 2002, 2001.

Board of Directors, **International Society for the New Institutional Economics (ISNIE)**, 2001-2005.

External Advisory Board, **Center for the Study of Institutions, Population, and Environmental Change**, Indiana University 2000-2004.

Advisory Board, Institutional Analysis Series, **University of Michigan Press**, 1999-2001

Board of Directors, **Western Economic Association International**, 1997-2000, 2004-2007.

Trustee, **Economic History Association**, 1991-1994, 1996-2001, 2004-2007.

Andersen Consulting, "**Professor of the Year**" Award, 1995.

Board of Editors, **Explorations in Economic History**, 1985-1992.

Board of Editors, **Journal of Economic History**, 1985-1990.

Karl Eller Center's McGuire Entrepreneurship Program designed #2 in the country by **Entrepreneur Magazine**, 2004, 2005; awarded National Model Program, by **National Association of Small Business and Entrepreneurship**, 1989, 2002. Selected by **Success Magazine** as one of the TOP 25 programs in the country, 1994, 1996, and in the TOP 5 in 1998. Consistently in the top 25 in all polls.

Honorable Mention, Hawkins Award for Excellence in Professional and Scholarly Publication, **Association of American Publishers**, for The Federal Civil Service and the Problem of Bureaucracy: The Economics and Politics of Institutional Change, 1995.

Program Co-chair, **Economic History Association**, 1994

Local Arrangements Chair, Tucson Meetings, **Economic History Association**, 1993

International Board of Advisors, **Czech Management Center**, Prague, 1992-1998.

Nominating Committee, **Western Economic Association International**, 1991.

Trustee, **Econometrics Society**, 1989-1992.

Associate, **Columbia University Seminars in Economic History and Legal and Economic Change**, 1976-1982.

**Rutgers Research Council** Fellowship, 1976.

**University of Pennsylvania** Dissertation Year Fellowship, 1975-1976.

**NDEA-Title IV Fellowship**, University of Pennsylvania, 1968-1969, 1973-1975.

### Books

Owens Valley Revisited: A Reassessment of the West's First Great Water Transfer. **Stanford University Press**, 2007.

Public Choice Essays in Honor of a Maverick Scholar: Gordon Tullock. **Kluwer Academic**, 2000. Edited with Price Fishback and Ed Zajac.

Titles, Conflict and Land Use: The Development of Property Rights and Land Reform on the Brazilian Amazon Frontier, with Lee Alston and Bernardo Mueller. **University of Michigan Press**, 1999.

The Federal Civil Service System and the Problem of Bureaucracy: The Economics and Politics of Institutional Change, with Ronald Johnson. **University of Chicago Press** and NBER, 1994.

The Political Economy of Regulation: An Historical Analysis of Government and the Economy, co-editor with Claudia Goldin. **University of Chicago Press** and NBER, 1994.

Contracting for Property Rights. New York: **Cambridge University Press**, December, 1989. Translated into Chinese and published in 1998 by the **China Social Sciences Publishing House**, Beijing.

Locking Up the Range: Federal Land Use Controls and Grazing. Cambridge: **Ballinger**, 1981.

The Evolution of Private Mining Rights: Nevada's Comstock Lode. New York: **Arno Press/New York Times**, July, 1978.

### Monograph Series

Advances in the Study of Entrepreneurship, Innovation, and Economic Growth, Elsevier, Gary D. Libecap, Editor.

Volume I -- Entrepreneurship and Innovation: The Impact of Venture Capital on the Development of New Enterprise, 1987.

Volume II -- Innovation in New Markets: The Impact of Deregulation on Airlines, Financial Markets, and Telecommunications, 1988.

- Supplement -- Corporate Reorganization Through Mergers, Acquisitions, and Leveraged Buyouts, 1988.
- Volume III -- Issues in American International Competitiveness, 1989.
- Volume IV -- Health Care Issues and American Economic Growth, 1990.
- Volume V -- The Education and Quality of the American Labor Force, 1992.
- Volume VI -- New Learning on Entrepreneurship, 1993.
- Volume VII -- Reinventing Government and the Problem of Bureaucracy, 1995.
- Volume VIII--The Entrepreneurial Middle: Policy Reforms that Affect Mid-Sized Business, 1996.
- Volume IX--Critical Social and Technological Factors Affecting Entrepreneurial Mid-Sized Firms, 1997.
- Volume X--Legal, Regulatory, and Political Changes that Affect Entrepreneurial Midsize firms, 1998.
- Volume XI--New Evidence on Entrepreneurship and its Impact on Economic Performance, 1999.
- Volume XII--Entrepreneurship and Economic Growth in the American Economy, 2000.
- Volume XIII--Entrepreneurial Inputs and Outcomes, 2001.
- Volume XIV--Issues in Entrepreneurship: Contracts, Corporate Characteristics, and Country Differences, 2002
- Volume XV--Intellectual Property and Entrepreneurship, 2004.
- Volume XVI--Intellectual Property, Entrepreneurship, and University-Based Technology Transfer, 2005.
- Volume XVII--The Cyclic Nature of Innovation: Connecting Hard Sciences with Soft Values, 2007
- Volume XVIII--Technological Innovation: Generating Economic Results, 2008
- Volume XIX--Measuring the Social Value of Innovation: A Link in the University Technology and Entrepreneurship Equation, forthcoming 2009

#### Working papers:

- “The Demarcation of Land: Patterns and Economic Effects,” with Dean Lueck
- “How Interest Groups with Limited Resources can Influence Political Outcomes: Information Control and the Landless Peasant Movement in Brazil,” with Lee Alston and Bernardo Mueller.

#### Articles

- “Positioning Fisheries in a Changing World” **Marine Policy**, 2008, with R. Quentin Grafton, Ray Hilborn and others.
- “*The Tragedy of the Commons*. Property Rights and Markets as Solutions to Resource and Environmental Problems,” **Australian Journal of Agricultural and Resource Economics**, forthcoming.

- “Property Rights and the Public Trust Doctrine in Environmental Protection and Natural Resource Conservation,” **Australian Journal of Agricultural and Resource Economics** forthcoming, with Jedidiah Brewer
- “Open-Access Losses and Delay in the Assignment of Property Rights,” **Arizona Law Review**, 2008.
- “*Chinatown Revisited: Owens Valley and Los Angeles—Bargaining Costs and Fairness Perceptions of the First Major Water Rights Exchange.*” **Journal of Law, Economics and Organization** 2008.
- “Law and the New Institutional Economics: Water Markets and Legal Change in California, 1987-2005,” **Washington University Journal of Law and Policy**, 2008, with Jedidiah Brewer, Michael Fleishman, Robert Glennon, and Alan Ker.
- “Water Markets in the West: Prices, Trading, and Contractual Forms,” 2008, **Economic Inquiry** with Jedidiah Brewer, Robert Glennon, and Alan Ker.
- “Assigning Property Rights in the Common Pool. Implications of the Prevalence of First-Possession Rules for ITQs in Fisheries,” **Marine Resource Economics**, 2007.
- “Transferring Water in the American West: 1987-2005, \* 2007 **Michigan Journal of Law Reform**, with Jedidiah Brewer, Robert Glennon, and Alan Ker.
- “The Assignment of Property Rights on the Western Frontier: Lessons for Contemporary Environmental and Resource Policy” 2007 **Journal of Economic History**.
- “*Chinatown*” Owens Valley and Western Water Re-Allocation: Getting the Record Straight and What It Means for Water Markets,” **Texas Law Review**, 2005.
- “Small Farms, Externalities, and the Dust Bowl of the 1930s,” **Journal of Political Economy**, 2004, with Zeynep Hansen.
- “The Allocation of Property Rights to Land: U.S. Land Policy and Farm Failure in the Great Plains,” **Explorations in Economic History**, 2004, lead article, with Zeynep Hansen.
- “Transactions Costs and Coalition Stability Under Majority Rule,” **Economic Inquiry**, 2003, lead article, with Ronald Johnson.
- “The Economic Evolution of Petroleum Property Rights in the United States,” **Journal of Legal Studies**, 2003, with James Smith.
- “The Contribution of Entrepreneurship Education: A Case Study,” **International Journal of Entrepreneurship Education**, 2003, with Alberta Charney.
- “Rain Follows the Plow” and Dryfarming Doctrine: The Climate Information Problem and Homestead Failure in the Upper Great Plains, 1890-1925” **Journal of Economic History**, 2002, with Zeynep Hansen.
- “Learning About the Weather: Dryfarming Doctrine and Homestead Failure in Eastern Montana, 1900-1925,” **Montana: The Magazine of Western History**, 2002.
- “The Problem of an Autonomous Bureaucracy in Transitional Economies: Lessons from the American Experience,” **Journal des Economistes et des Etudes Humaines**, 2001.

- "Regulatory Remedies to the Common Pool: The Limits to Oil Field Unitization," 2001 **Energy Journal**, lead article, with James Smith.
- "The Effect of Cost Heterogeneity in the Success and Failure of the New Deal's Agricultural and Industrial Programs," **Explorations in Economic History**, 2000 with Barbara Alexander.
- "Information Distortion and Competitive Remedies in Government Transfer Programs: The Case of Ethanol," **The Economics of Governance**, 2001 with Ronald N. Johnson.
- "Property Rights to Land and Land Reform: Legal Inconsistencies and the Sources of Violent Conflict in the Brazilian Amazon," **Journal of Environmental Economics and Management**, 2000, with Lee Alston and Bernardo Mueller.
- "The Self-Enforcing Provisions of Oil and Gas Unit Operating Agreements: Theory and Evidence," **Journal of Law, Economics and Organization**, 1999, with James Smith.
- "A Model of Rural Conflict: Violence and Land Reform Policy in Brazil," **Environment and Development Economics**, 4 (1999): 135-60. with Lee Alston and Bernardo Mueller.
- "Unitization," **The New Palgrave Dictionary of Economics and the Law**, Peter Newman, ed., 1998.
- "Common Property," **The New Palgrave Dictionary of Economics and the Law**, Peter Newman, ed., 1998.
- "Environmental Regulation and Federalism," **Arizona Law Review**, 1996.
- "The Determinants and Impact of Property Rights: Land Titles on the Brazilian Frontier," with Lee Alston and Robert Schneider, **Journal of Law, Economics and Organization**, 1996.
- "Courts, A Protected Bureaucracy, and Reinventing Government," with R.N. Johnson, **Arizona Law Review**, 1995.
- "Property Rights and the Preconditions for Markets: The Case of the Amazon Frontier," with Lee Alston and Robert Schneider, **Journal of Institutional and Theoretical Economics**, 1995.
- "The Failure of Government-Sponsored Cartelization and the Development of Federal Farm Policy," with Elizabeth Hoffman, **Economic Inquiry**, 1995.
- "Land, Property Rights, and Privatization in Brazil," with Bernardo Mueller, Lee Alston, and Robert Schneider, **Quarterly Review of Economics and Finance**, Special Issue, 1994.
- "The Conditions for Successful Collective Action," **Journal of Theoretical Politics**, 1994, pp. 569-598. Reprinted in Robert Keohane and Elinor Ostrom, eds., **Local Commons and Global Interdependence**, Sage Publications.
- "Patronage to Merit and Control of the Federal Government Labor Force," with R. N. Johnson, **Explorations in Economic History**, 1994.
- "The Rise of the Chicago Packers and the Origins of Meat Inspection and Antitrust," **Economic Inquiry**, April 1992. Selected by the Editorial Board as the "Best Article for 1992."
- "Bureaucratic Issues and Environmental Concerns: A Review of The History of Federal Land Ownership and Management," **Harvard Journal of Law and Public Policy**, 1992.
- "Institutional Choice and the Development of U.S. Agricultural Policies in the 1920s," with Elizabeth

- Hoffman, **Journal of Economic History**, June 1991.
- "Public Sector Employee Voter Participation and Salaries," with R. N. Johnson, **Public Choice**, January, 1991.
- "Comments on Elinor Ostrom's 'Microconstitutional Change in Multiconstitutional Political Systems'," **Rationality and Society**, January, 1990.
- "The Political Economy of Crude Oil Cartelization in the United States: 1933-1972," **Journal of Economic History**, December, 1989.
- "Agency Growth, Salaries, and the Protected Bureaucrat," with R. N. Johnson, **Economic Inquiry**, July, 1989.
- "Bureaucratic Rules, Supervisor Behavior, and the Effect on Salaries in the Federal Government," with R. N. Johnson, **Journal of Law, Economics, and Organization**, April, 1989.
- "Distributional Issues in Contracting for Property Rights," **Journal of Institutional and Theoretical Economics**, March, 1989.
- "Firm Heterogeneities, Contracting, and Cartelization Efforts in Domestic Crude Oil," with S. N. Wiggins, **Journal of Law, Economics, and Organization**, April, 1987.
- "Property Rights in Economic History: Implications for Research," **Explorations in Economic History**, July, 1986.
- "Deregulation as an Investment in Industrial Policy: Comment," **Journal of Institutional and Theoretical Economics**, March, 1986.
- "Government Policies Regarding Property Rights to Land: Some U.S. Implications for Agricultural Development in Mexico," **Agricultural History**, Winter, 1986.
- "The Influence of Private Contractual Failure on Regulation: The Case of Oil Field Unitization," with S. N. Wiggins, **Journal of Political Economy**, August, 1985.
- "Oil Field Unitization: Contractual Failure in the Presence of Imperfect Information," with S. N. Wiggins, **American Economic Review**, June, 1985.
- "The Political Economy of the Establishment of the Interstate Oil Cartel, 1933-1940," **Research in Economic History**, Supplement 4, 1985, **The Emergence of the Modern Political Economy**.
- "Contractual Responses to the Common Pool: Prorating of Crude Oil Production," with S. N. Wiggins, **American Economic Review**, March, 1984.
- "The Political Allocation of Mineral Rights: A Reevaluation of Teapot Dome," **Journal of Economic History**, June, 1984.
- "Contracting Problems and Regulation: The Case of the Fishery," with R. N. Johnson, **American Economic Review**, December, 1982.
- "Agricultural Productivity, Partible Inheritance, and the Demographic Response to Rural Poverty: An Examination of the Spanish Southwest," with G. Alter, **Explorations in Economic History**, April, 1982.
- "Bureaucratic Opposition to the Assignment of Property Rights: Overgrazing on the Western Range," **Journal of Economic History**, March, 1981.

- "Agency Costs and the Assignment of Property Rights: The Case of Southwestern Indian Reservations," with R. N. Johnson, **Southern Economic Journal**, October, 1980.
- "Legislating Commons: The Navajo Tribal Council and the Navajo Range," with R. N. Johnson, **Economic Enquiry**, January, 1980.
- "Efficient Markets and Great Lakes Timber: A Conservation Issue Reexamined," with R. N. Johnson, **Explorations in Economic History**, October, 1980.
- "The Use of Government in Support of Private Claims to Public Minerals," **Business History Review**, Autumn, 1979.
- "Property Rights, Nineteenth Century Federal Timber Policy and the Conservation Movement," with R.N. Johnson, **Journal of Economic History**, March, 1979.
- "Economic Variables and the Development of the Law: The Case of Western Mineral Rights," **Journal of Economic History**, June, 1978. Reprinted in Lee Alston, Thrainn Eggertsson, and Douglass North, eds. **Empirical Studies in Institutional Change**, Cambridge University Press, 1996.
- "Federal Mineral Policy, the General Mining Law of 1872: A Note," **Natural Resources Journal**, July, 1978.

#### Chapters

- "\*Property Rights as Solutions to the Problems of Open Access: Options and Constraints\*", Eric Brousseau ed.
- "Rights-Based Management of Tuna Fisheries: Lessons from the Assignment of Property Rights on the Western Frontier," Bill Bayless and Dale Squires, editors, **Management of Tuna Fisheries**, Blackwell, forthcoming 2008.
- "Regulation and Deregulation: Property Rights Allocation Issues in Deregulation of Common Pool Resources," Claude Menard, ed, **Regulation and Deregulation**, forthcoming 2008.
- "Transaction Costs, Property Rights, and the Tools of the New Institutional Economics: Water Rights and Water Markets," **The New Institutional Economics: A Guidebook.**, Eric Brousseau and Jean-Michel Glachant, eds, Cambridge University Press, forthcoming 2008.
- "Making the Environment and Asset: Links between Real and Intellectual Property," with Terry L. Anderson, Scott Kieff, ed, **The Intellectual Property Debate**, Cambridge University Press, forthcoming 2009.
- "The Determinants of Progressive Era Reform: The Pure Food and Drugs Act of 1906," with Marc Law, in Edward L. Glaeser and Claudia Goldin eds, **Corruption and Reform: Lessons from America's Economic History**, Chicago: **University of Chicago Press**, 2006.
- "Second Degree Path Dependence: Information Costs, Political Objectives, and Inappropriate Small-Farm Settlement of the North American Great Plains," Lars Magnusson and Jan Ottosson eds., **Edward Elgar**, 2009.
- "The Federal Government Bureaucracy: How We Went From Patronage to an Insulated Civil Service System and Why It Matters for the Performance of Government," **Essays in Honor of Robert Higgs**, Price Fishback ed, **University of Chicago Press**, 2007.

- “The Effects of Property Rights to Land and Other Natural Resources on American Economic Development: Where U.S. Land Policy Worked and Where it Did Not,” Essays in Honor of Robert Higgs, Price Fishback, ed, **University of Chicago Press**, 2007.
- “The Effect of Transaction Costs in the Definition and Exchange of Property Rights: Two Cases from the American Experience,” in Enrico Colombatto, ed., Companion to the Economics of Property Rights, **Edward Elgar Publishers**, 2004.
- “State Regulation of the Common Pool,” in Claude Menard and Mary Shirley, eds, The Handbook of the New Institutional Economics, **Kluwer Academic Press**, 2004.
- “Agricultural Programs with Dubious Environmental Benefits: The Political Economy of Ethanol,” in Agricultural Policy and the Environment, Roger Meiners and Bruce Yandle, ed., **Edward Elgar**, 2003.
- “Mixed Experiences with International Environmental Agreements During the Second Half of the Twentieth Century,” in Welf Werner, ed, Festschrift in Honor of Carl Ludwig Holtfreich, 2003.
- “Political Constraints on Government Cartelization: The Case of Oil Production Regulation in Texas and Saudi Arabia,” in Peter Grossman, ed, How Cartels Endure and How They Fail: Studies of Industrial Collusion, with James Smith, **Edward Elgar**, 2004.
- “A Transactions Cost Approach to the Analysis of Property Rights,” in Eric Brousseau and Jean-Michel Glachant, eds., The Economics of Contracts: Theory and Application, 2002, **Cambridge University Press**.
- “Property Rights, Natural Resources: Property Rights, Natural Resources: Regulation, Hedges and Fences, Grazing and Ranch Farming, Food Processing Industries,” Oxford Encyclopedia of Economic History, Joel Mokyr, editor, **Oxford University Press**, 2003.
- “Contracting for Property Rights,” The Economics of Property Rights, Terry Anderson and Fred McChesney, eds., **Princeton University Press**, 2002.
- “Contracting for Mineral Rights,” in the International Library of Critical Writings in Economics, the Economics of Property Rights by Svetozar Pejovich, **Edward Elgar**, 2001.
- “Foreward to Hannes Gissurason,” Overfishing: The Icelandic Solution, IEA Studies on the Environment No17, London: **Institute of Economic Affairs**, 2001.
- “An Assessment of the Contribution of Entrepreneurship Education: the Berger Entrepreneurship Program at the University of Arizona, 1985-1999,” with Alberta Charney, in Gary D. Libecap, ed. Entrepreneurship and Economic Growth in the American Economy, **JAI Press**, 2001.
- “Property Rights,” Macmillan Encyclopedia of Energy, John Zumerchick, editor, **Macmillan Reference**, USA, 2001.
- “Information Distortion by Politicians and Constituent Groups in Promoting Regulatory Transfers: The Case of Ethanol,” in Lars Magnusson and Jan Ottosson, eds, The State, Regulation and the Economy: An Historical Perspective, **Edward Elgar Publishers**, London, with Ronald N. Johnson, 2002.
- “Public Choice and the Success of Government-Sponsored Cartels: The Different Experience of New Deal Agricultural and Industrial Policies,” in Public Choice Interpretations of American Economic History, Jac C. Heckelman, John C. Moorhouse and Robert Whaples, editors, **Kluwer Academic**

**Press**, 1999. With Barbara Alexander.

- "Property Rights and Land Conflict: A Comparison of Settlement of the U.S. Western and Brazilian Amazon Frontiers," in Latin America and the World Economy since 1800, John H. Coatsworth and Alan M. Taylor, Cambridge: **Harvard University Press**, 1998. With Lee Alston, Bernardo Mueller.
- "Distributional and Political Issues in Modifying Traditional Common-Property Institutions," in Erling Berge, Derek Ott, and Nils Chr. Stenseth (eds.) Law and the Governance of Renewable Resources, **Institute for Contemporary Studies**, 1998.
- "The Great Depression and the Regulating State: Federal Government Regulation of Agriculture: 1884-1970," in Michael D. Bordo, Claudia Goldin, and Eugene N. White, eds, The Defining Moment: The Great Depression and the American Economy in the Twentieth Century, Chicago: **University of Chicago Press** and NBER, 1997.
- "Reinventing the Federal Civil Service," with R.N. Johnson, in Gary D. Libecap, ed. Reinventing Government and the Problem of Bureaucracy, Greenwich, CT: **JAI Press**, 1996.
- "The Development of Property Rights to Land: When is Violence Part of Institutional Change?" in John Drobak and John Nye, eds., Frontiers of the New Institutional Economics, San Diego: **Academic Press**, 1997. With Lee Alston and Bernardo Mueller.
- "Violence and the Assignment of Property Rights on Two Brazilian Frontiers," in Michelle R. Garfinkel and Stergios Skaperdas, eds., The Political Economy of Rent Seeking and Violence, **Cambridge University Press**, 1996. With Lee Alston and Robert Schneider.
- "The Demand and Supply of Property Rights on the Frontier: The Cases of North America and Brazil," in T.L. Anderson and P.J. Hill, eds., The Privatization Process: A Worldwide Perspective, **Rowman and Littlefield**, 1996. With Lee Alston and Robert Schneider.
- "Political Bargaining and Cartelization in the New Deal: Orange Marketing Orders," with Elizabeth Hoffman, in Claudia Goldin and Gary Libecap, (eds.) The Political Economy of Regulation: An Historical Analysis of Government and the Economy, **University of Chicago Press**, 1994.
- "Property Rights and Entrepreneurship," in Gary D. Libecap, (ed.) New Learning on Entrepreneurship, **JAI Press**, 1993.
- "The Political Economy of Institutional Change: Property Rights and the General Revision Act of 1891," in John James and Mark Thomas (eds.) Capitalism in Context, **University of Chicago Press**, 1994.
- "Institutions and Economic Growth: The Contributions of Douglass C. North," in Warren Samuels (ed.) New Horizons in Economic Thought: An Appraisal of Ten Leading Economists, **Edward Elgar**, 1992.
- "Teapot Dome Revisited: Regulatory Policy and Costly American Oil," in D. N. McCloskey (ed.) Second Thoughts: The Uses of American Economic History, **Oxford University Press**, 1992.
- "Experimental Methods to Advance Historical Investigations: An Examination of Cartel Compliance by Large and Small Firms," with B. Binger and E. Hoffman, in Joel Mokyr (ed.) Essays in Honor of Jonathan R. T. Hughes, **Cambridge University Press**, 1991.
- "Anthony Scott's Conceptual Origins of Rights Based Fishing: Comment" and "Conceptual Constructs for Practical ITQ Management Policies: Comment," in P. A. Neher, R. Arnason and N. Mollet (eds.) Rights Based Fishing, **Kluwer Academic Publishers**, 1989.

"Regulatory Constraints on Oil and Gas Production on Federal Lands," in Robert Deacon and Bruce Johnson (eds.) Forest Lands Public and Private. **Ballinger**, 1985.

"The Navajo and Too Many Sheep: Persistent Overgrazing on the Navajo Reservation," with R. N. Johnson, in John Baden and Richard Stroup (eds.) Bureaucracy vs. Environmental Costs of Bureaucratic Government, **University of Michigan Press**, 1981.

### Funded Research

"IGERT—ConvEne: Conversion of Energy through Molecular Platforms" **National Science Foundation** Advisor, 2008-

"California Water Transfer Data Base" **UC Center for Water Resources**, Principal Investigator, 2008-2009

"Western Water Data Base," **UC Center for Water Resources**, Principal Investigator, 2007-2008

"Renewal: Institutional Change to Reduce Transaction Costs: Analysis of the Rectangular Survey," **National Science Foundation**, Co-Principal Investigator, 2008-2009.

"Institutional Change to Reduce Transaction Costs: Analysis of the Rectangular Survey," **National Science Foundation**, Co-Principal Investigator, 2005-2009.

"Transaction Costs and Institutional Change: An Analysis of Western Water Law Regarding Transfers from Agriculture to Urban and Environmental Uses," **National Science Foundation**, Co Principal Investigator, 2003-2005.

"Resistance to Water Rights Transfers from Agriculture to Urban Areas in the West: The Legacy of the Owens Valley Transfer to Los Angeles," **Earhart Foundation**, 2003.

"Appropriate Agricultural Techniques: The Information Problems in Settling the North American Arid Plains, 1900-1925," **National Science Foundation**, Principal Investigator, 1999-2001.

"Weather Uncertainty, Property Rights, and Economic Decisions: The Long Term Effects of a Mistaken Land Policy," **Earhart Foundation**, 2001.

"Property Rights and Conflict in the Brazilian Amazon," **National Science Foundation**, Co-Principal Investigator, 1995-1997.

"Property Rights and Land Use in the Brazilian Amazon: Lessons from U.S. Economic History," **National Science Foundation**, Co-Principal Investigator, 1992-1995.

"Property Rights, Rent Dissipation, and Environmental Degradation in the Brazilian Amazon," **World Bank**, Co-Principal Investigator, 1992-94.

"Historical and Experimental Examination of Government-Sponsored Cartels," **National Science Foundation**, Co-Principal Investigator, 1990-1991.

"The Organization of the Federal Government Labor Force: Patronage to Merit," **Earhart Foundation**, Co-Principal Investigator, 1989-1990.

"Bureaucratic Salary Differences, Agency Growth, and Constituent Relations," **National Science Foundation**, Co-Principal Investigator, 1985-1986.

"Contracting and Unitization of Oil Fields, **National Science Foundation**, Co-Principal Investigator, 1982-1984.

"Government Regulation of Oil Production," **Center for Energy and Mineral Resources**, Co-Principal Investigator, 1983-1984.

"Property Rights and Oil Field Unitization," **Center for Energy and Mineral Resources**, Principal Investigator, 1980-1981.

"An Investigation in the Nature and Content of Customary Fishing Rights and Practices in the Texas Bays," **Seagrant**, Texas A&M University, Co-Principal Investigator, 1980-1981.

"Federal Restrictions on Property Rights to Rangeland," **Pacific Institute**, Principal Investigator, 1980-1981.

#### Administrative Fund Raising

Eco-entrepreneurship, Bren School, UCSB.

Successfully raised \$17,000,000 to endow the Karl Eller Center University of Arizona. Additional fundraising (non-endowment) total over \$5,000,000.

#### Book Reviews Of

Historical Statistics of the United States, Millennial Edition, Cambridge University Press, Eh.net, 2006.

On the Great Plains: Agriculture and Environment University of Nebraska Press, 2005.

The Politics of Property Rights: Political Instability, Credible Commitments, and Economic Growth in Mexico, 1876-1929, Stephen Haber, Armando Razo, and Noel Maurer, Eh.net, 2004.

A History of Public Sector Pensions in the United States, Robert Clark, Lee Craig, and Jack Wilson, **Journal of Economic History**, 2003.

Deforesting the Earth from Prehistory to Global Crisis, Eh.Net. 2003.

Redefining Efficiency: Pollution Concerns, Regulatory Mechanisms, and Technological Change in the U.S. Petroleum Industry, Hugh Gorman, **Journal of Economic History**, 2003.

Oil in Texas, The Gusher Age, 1895-1945, Dana and Roger Olien, **Journal of Economic History**, 2002.

Indians, Markets, and Rainforests: Theory, Methods and Analysis, Ricardo Godoy, **Journal of Economic Literature**, 2002.

The Mystery of Capital: Why Capitalism Triumphs in the West and Fails Everywhere Else, Hernando De Soto, **Journal of Economic History**, 2002.

The Cambridge Economic History of the United States, Volume III, the Twentieth Century, EH.Net, 2001.

The Mechanisms of Governance, Oliver E. Williamson, **Journal of Economic History**, 1997.  
Economic Evolution, Jack Vromin, **Journal of Economic History**, 1997.

Risks, Costs, and Lives Saved, edited by Robert Hahn, **Journal of Comparative Economics**, 1997.

Land Rights: The 1990's Property Rights Rebellion, edited by Bruce Yandle, **Independent Review**, 1996.

- Collective Action: Theory and Application by Todd Sandler, **Journal of Institutional and Theoretical Economics**, 1995.
- Contrived Competition: Regulation and Deregulation in America by Richard H.K. Vietor, **Journal of Economic History**, 1994.
- New Jersey and the Fiscal Origins of Modern American Corporation Law, by Christopher Grandy, **Journal of Economic History**, 1994.
- To Reclaim a Divided West: Water, Law and Public Policy, by Donald Pisani, **The Annals of the American Academy of Political and Social Science**, 1993.
- Water Resources Management, by David Feldman, **The Annals of the American Academy of Political and Social Science**, 1993.
- Order Without Law: How Neighbors Settle Disputes, by Robert C. Ellickson, **Journal of Economic Literature**, March 1993.
- Common Property Economics: A General Theory and Land Use Application, by Glenn Stevenson, **Journal of Comparative Economics**, December 1992.
- Regulation: Economic Theory and History, edited by Jack High, **Business History Review**, 1992.
- Wilderness Preservation and the Sagebrush Rebellions, by William Graf, **The Annals**, 1992.
- Institutions, Institutional Change and Economic Performance, by Douglass North, **Journal of Economic Literature**, March 1992.
- Economic Analysis of Property Rights, by Yoram Barzel, **Journal of Economic Behavior and Organization**, 1992.
- Private Property and the Limits of American Constitutionalism, by Jennifer Nedelsky, and Property and the Politics of Entitlement, by John Brigham, **American Political Science Review**, March 1992.
- The Lever of Riches: Technological Creativity and Economic Progress, by Joel Mokyr, **Journal of Comparative Economics**, December 1991.
- Markets for Federal Water: Subsidies, Property Rights, and the Bureau of Reclamation, by Richard Wahl, **Journal of Economic Literature**, March 1991.
- Pure Food: Securing the Federal Food and Drugs Act of 1906, by James Howey Young, **Journal of Economic History**, September, 1990.
- Non-Renewable Resources, Extraction Programs and Markets, by John M. Hartwick, **Journal of Comparative Economics**, 1990.
- The Fall of the Bell System, by Peter Temin, **Journal of Economic History**, June, 1989.
- The Fisherman's Problem, by Arthur F. McEvoy, **Journal of Economic History**, December, 1987.
- Fair Play in the Market Place: The First Battle for Pure Food and Drugs, by Mitchell Olsen, **Journal of Economic History**, December, 1986.

- Strategic Uses of Public Policy, by Donna J. Wood, **Journal of Economic History**, December, 1986.
- U.S. Forest Service Grazing and Rangelands, by William D. Rowley, **Arizona and the West**, Summer, 1986.
- The Economics of Zoning Laws: A Property Rights Approach to American Land Use Controls, by William A. Fischel, **Journal of Economic Literature**, June, 1986.
- Working the Range: Essays on the History of Western Land Management and the Environment, by John Wunder (ed.), **Journal of Economic History**, June, 1986.
- Conservation Under FDR, by A. L. Riesch Owen, **Journal of Economic History**, December, 1984.
- Who Owns The Wildlife, by James Tober, **Journal of Economic History**, June, 1983.
- A Theory of Property Rights, by John Umbeck, **Journal of Economic History**, June, 1982.
- Indians, Bureaucrats, and the Land, by Leonard Carlson, **Journal of Economic History**, December, 1981.
- Business and Government in the Oil Industry: A Case Study of Sun Oil 1876-1945, August W. Giebelhaus, **Journal of Economic History**, March, 1981.
- Innovations in Energy: The Story of Kerr-McGee, by John Ezell, **Journal of Economic History**, March, 1981.
- Money Mountain, by Marshall Sprague, **Journal of Economic History**, June, 1980.
- Hard Rock Epic, by Mark Wyman, **Journal of Economic History**, December, 1979.
- Copper Mining and Management, by Thomas R. Navin, **Journal of Economic History**, September, 1979.
- ...And the Desert Shall Rejoice: Conflict Growth and Justice in Arid Environments, by Arthur Maass and Raymond Anderson, **Natural Resources Journal**, July, 1979.
- The Lands of Hawaii: Their Use and Misuse, by T. M. Creighton, **Journal of Economic History**, December, 1978.
- Le Conte's Report on East Florida, by R. Adicks, **Journal of Economic History**, December, 1978.

Referee For

Science  
Nature  
American Political Science Review  
National Science Foundation  
Social Sciences and Humanities Research Council of Canada  
Explorations in Economic History  
Journal of Political Economy  
American Economic Review  
Economic Inquiry  
Agricultural History  
Journal of Economic History  
Southern Economics Journal  
Journal of Environmental Economics and Management

Journal of Economics, Law, and Organization  
Journal of Economic Behavior and Organization  
Economic Development and Environmental Economics  
Journal of Comparative Economics  
Business History Review  
Quarterly Journal of Economics  
Environment and Development Economics  
The Energy Journal

### Teaching Experience

Visiting Professor, University Paul Cezanne, Aix en Provence, Faculty of Applied Economics, June 2007.

Visiting Professor, University of Paris I, Spring 2005, Transaction Costs and Natural Resource/Environmental Regulation

Olin Visiting Professor, California Institute of Technology, Spring 1993.  
The Economics of Property Rights

Olin Visiting Professor, The Law Center, University of Southern California, Fall, 1992.  
Government Regulation and the Law

Professor, Corporate Environmental Management, Bren School of Environmental Science and Management, UCSB, 2006-Present.

Professor, Economics, UCSB, 2006-Present.

Professor, Law School, University of Arizona, Tucson, Arizona, 1994-2006. Regulation and Antitrust, Economics and Law.

Professor, Department of Economics, University of Arizona, Tucson, Arizona, 1987-2006. Law and Economics, Competitive Strategy, Natural Resource Economics, American Economic History, Intermediate Microeconomics, Industrial Organization

Associate Professor, Department of Economics, University of Arizona, Tucson, Arizona, 1984-1987.

Associate Professor, Department of Economics, Texas A&M University, College Station, Texas. American Economic History, Natural Resource Economics, Intermediate Micro Theory, Law and Economics., 1980-1984

Assistant Professor, Department of Management, Texas A&M University.  
Applied Microeconomics, 1979-1980.

Assistant Professor, Department of Economics, University of New Mexico-Albuquerque.  
Industrial Organization, Microeconomics, American Economic History, 1977-1979.

Law School, University of New Mexico.  
Economic Analysis of Tort Law, 1977-1978.

### Executive Education Courses

Competitive Advantage; Regulation. College of Business, Executive Education Program. Sundt Corp. Greyhound Financial Corporation, FINOVA Group. 1987-2004.

Foreign Teaching Experiences

Transaction Costs and the Common Pool, University of Paris, 2005; European School on New Institutional Economics, Corsica 2003, 2005; Economics, Free University of Berlin, 1997; Entrepreneurship and Competitive Strategy: University of World and National Economics, Sofia, Bulgaria, 1991; Czechoslovak Management Center, Prague, Czechoslovakia, 1993; Janus Pannonius University, Pecs, Hungary, 1993; Property Rights and Economic Development, Montevideo, Uruguay, 1990.

University Administration

Board of Advisors, IGCC, UCSB Representative, 2007-10  
 Search Committee, Corporate Environmental Management, UCSB, Chair, 2008-  
 Board of Advisors, Technology Management Program, College of Engineering, UCSB, 2006-  
 Masters of Environmental Science and Management Committee, Bren School, UCSB, 2006-8.  
 Search Committee—Environmental Law, Bren School, UCSB, 2006-7.  
 Search Committee, Head—Resource Productivity, Bren School, UCSB, 2007-8.  
 Personnel Committee, Chair, Bren School, UCSB, 2008-9.

Personnel Committee, Bren School, UCSB, 2007-8.  
 Faculty Executive Committee, Bren School, UCSB, 2007-9.  
 Director, Karl Eller Center, College of Business and Public Administration, University of Arizona, 1984-2005.

College Search Committee, Development Officer, 2004-5.  
 College Promotion and Tenure Committee, 2004-5.  
 University Intellectual Property Committee, 2003-  
 University Search Committee, Director Technology Transfer Office, 2002.  
 Dean Review Committee, College of Business and Public Administration, University of Arizona, 2002.  
 Department of Agricultural Economics Department Head Search Committee, 2001.  
 Department of Agricultural Economics Program Review Committee, 2001.  
 Chair, Department Head Search Committee, Department of Economics, University of Arizona, 2001.  
 Department Head Search Committee, Department of Agricultural and Resource Economics, 2001.  
 Faculty Status Committee, Eller College of Business and Public Administration, University of Arizona, 2001, 2003.

University Review Committee for the Dean of the College of Education, 1996.  
 College Review Committee for the Director of the School of Public Administration, Chair, 1996.  
 University Academic Program Review Committee, Department of Agricultural Economics, Chair, 1991.  
 Administrative Committee, College of Business and Public Administration, University of Arizona, 1984-Present. Economics Department, Self-Study Review Committee, 1990.  
 Promotion and Tenure Committee, Economics Department, University of Arizona, 1985-1989, 1991, 1993, 1995-98.  
 Promotion and Tenure Committee, School of Public Administration and Policy, University of Arizona 1989-1990.  
 Research Committee, College of Business and Public Administration, University of Arizona, 1985-Present.  
 Sabbatical Review Committee, College of Business and Public Administration, University of Arizona, 1993-1994.

External Review Committee, Economics Graduate Program, Washington State University, 1989.  
 Search Committee for Dean, Social and Behavioral Sciences, University of Arizona, 1986.  
 Search Committee for Head, Department of Finance, University of Arizona, 1986.  
 Search Committee for Head, Department of Management, University of Arizona, 1985.  
 Search Committee for Dean, Liberal Arts, Texas A&M University, 1984.

Visiting Staff Member

Los Alamos Scientific Laboratory, Technological Assessment, 1979.

PhD Committees

Chair: Jeffrey Fuller, Economics, Arizona, 1997  
 Chair: Joseph Bial, Economics, Arizona, 1999  
 Chair: Zeynep Hansen, Economics Arizona, 2003  
 Member: James Nachbaur, Bren School, UCSB, 2007.  
 Member: Marc Conte, Bren School, UCSB, 2007.  
 Member: Dominic Parker, Bren School, UCSB, 2007-9.

Professional Associations

American Economics Association  
 Economic History Association  
 Western Economics Association International  
 Cliometrics Society  
 National Bureau of Economic Research  
 International Society for New Institutional Economics  
 American Economics and Law Association  
 Hoover Institution

Presentations

ASSA meetings (1976, 1982, 1988, 1996, 1998, 2002, 2004, 2006); Western Economics Association (1976-1980, 1982, 1988, 1990, 1993, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006); Southern Economics Association (1979, 1985); Economic History Association (1977, 1978, 1980, 1982, 1984, 1988, 1989, 1990, 1992, 1993, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2006); Cliometrics Society (1975, 1976, 1979, 1982, 1984-1991, 2001); Public Choice Society (1976, 1978, 1982, 1987, 1990); U.S.-Hungarian Economic Roundtable (1989); Conference on the New Institutional Economics (1985, 1988, 1992, 1994); Conference on Rights-Based Fishing (1988); Conferences on Indian Lands and Property Rights (1987, 1989); Conference on Land Tenure and Development in Mexico (1984); Legal Institute for Economists (1989); All Washington D.C. Economic History Seminar (1989); Institutions and Economic Development, Fulbright Commission (1990), Mont Pelerin Society (1990, 1991, 2005); NBER/DAE Summer Institute (1990, 1991, 1993, 1995, 1997, 2000, 2001, 2003, 2004), OECD Conference on Entrepreneurship Training in Eastern Europe (1991), NSF Conference on International Relations and Common Pool Resources, Harvard (1992, 1993); All University of California Economic History Conference (1988, 1993, 2000); Nyvagar Conference on Common Property Resources, Lofoton, Norway (1993), NBER Conference on Political Economy and Regulation (1993), Conference on the Political Economy of Rent Seeking and Conflict, UC, Irvine (1994), Conference on Privatization: A Worldwide Perspective (1994); Conference on Law and Economics, Saarbrücken (1995); Stanford/All UC Conference on Economic Development in Latin America 1996, 2004; International Cliometrics Conference (1997); Bellagio Conference on Latin American Economic Development (1997), International Conference on Institutions and Economic Development, Sao Paulo Brazil (1998), Conference on the Role of the State in Regulated Economies, Uppsala, Sweden (1999), Workshop on Institutional Economics, Max-Planck-Institut, Jena, Germany (1999), Seminar on Economics and Democracy in Transitional Economies, International Center for Economic Research, Turin (2000), 4<sup>th</sup> Annual Toulouse Conference on Environment and Resource Economics (2001), Conference on the Evolution of Property Rights, Northwestern Law School (2001), National Bureau of Economic Research, Summer Institute (1996, 1998, 1999, 2001, 2002), International Society for New Institutional Economics, ISNIE (1998, 2000, 2002, 2003, 2004, 2005, 2006), Canadian Resource and Environmental Economics Meetings (2002), Research Group on Political Institutions and Economic Policy, Harvard (2002, 2003, 2004), Coase Institute, MIT, Budapest, Tucson (2002, 2003, 2004), Stanford Conference on Latin American Economic Development, (2003), Conference on Path Dependence, Stockholm (2004), Australian Resource and Environmental Economics Society Meetings (2004), New Zealand Treasury (2004), Sharing the Fish 06 Conference in Perth, Western Australia (2006), Tuna Rights Conference, La Jolla (2006), Fishery ITQs (Reykjavik, 2006),

Association of Environmental Professionals, San Luis Obispo (2007), Western Water Forum (UCSB, 2007), University of Arizona Program in Law, Economics, and the Environment (2007), Immigration of Land Law Conference, Radzyner School of Law, Herzliya, Israel (2007), NBER Neemrana Conference on Indian Economic Development and Resource Use (2008), Cargese, Corsica Conference on Which Governance for Which Environment? (2008), NBER Summer Institute (2008), Productivity Commission, Canberra, Melbourne (2008).

University seminars at:

Columbia University, University of South Carolina, Harvard University, Washington University, University of Washington, University of Arizona, UCLA, USC, VPI, Northwestern University, University of Michigan, Texas A&M University, University of Texas, Ohio State University, Indiana University, Montana State University, Arizona State University, University of Chicago, BYU, Oregon State University, Utah State University, University of Colorado, George Mason University, UC Irvine, CalTech, Yale University, UC Berkeley; UC Riverside; University of Hawaii, University of Wyoming, MIT, UC Davis, Stanford University, University of Pennsylvania, UC Santa Barbara, Université de Bourgogne, Dijon, France, University of Paris I, Pantheon/Sorbonne, Ohio State, Colorado State University, University of Manitoba, University of Tel Aviv, Law and Environment Workshop, Northwestern Law School.