

## **F. GREGORY HAYDEN**

Professor of Economics  
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University of Nebraska-Lincoln  
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### **EDUCATION**

Ph.D.	School:	University of Texas-Austin
	Date:	January 1968
	Major:	Economics
B.A.	School:	Kansas State University
	Date:	June 1962
	Major:	Economics

### **COLLEGE AND UNIVERSITY POSITIONS**

August 1967 to Present, Department of Economics, UNL

### **PUBLICATIONS**

#### Parts of Books

“Policy Concerns Regarding Ecologically Sound Disposal of Industrial Waste Materials.”  
Chapter, *Institutional Analysis of Economic Policy*. Edited by Marc R. Tool and Paul Dale Bush.  
Boston: Kluwer Academic Publishers. 2003.

"Contracts and Costs in a Corporate/Government Systems Dynamics Network: A United States Case," with Steve Bolduc. Chapter, *New Challenges to Industrial Policy*. Edited by John Groenewegen and Wolfram Elsner. Dordrecht: Kluwer Academic Publication. 2000.

“Issues in Ecosystem Valuation: Improving Information for Decision Making,” with others.  
Chapter, *Ecosystems and Nature*. Edited by R. Kerrey Smith with Kenneth J. Button and Peter Nijkamp. Cheltenham: Edward Elgar Publishing Limited. 1999.

“Social Fabric Matrix” in *Encyclopedia of Political Economy*. Edited by Phillip O’Hara.  
London: Routledge. 1999.

"Normative Analysis of Instituted Processes." Chapter, *Festschrift in Honor of the Scholarship of Paul Dale Bush*. Edited by Marc R. Tool. London: Edward Elgar Publishing, Ltd. 1998.

"Corporate Networks: A U.S. Case Study," with Kurt Stephenson. Chapter, *New Approaches to Corporate Network Analysis*. Edited by John Groenewegen. London: Edward Elgar Publishers. 1993.

"Theory of Economic Policy." *Handbook on Institutional and Evolutionary Economics*. Edited by Warren J. Samuels and Geoff Hodgson. Vol. I. Cheltenham, Gos: Edward Elgar Publishing, Ltd. 1993.

"Theory and Policy of Agricultural Economics." *Handbook on Institutional and Evolutionary Economics*. Edited by Warren J. Samuels and Geoff Hodgson. Vol. II. Cheltenham, Gos: Edward Elgar Publishing, Ltd. 1993.

"Institutionalist Policymaking." Chapter, *Institutional Economics: Theory, Method, Policy*. Edited by Marc R. Tool. Boston: Kluwer Academic Publishers. 1993.

"A Geobased National Agricultural Policy for Rural Community Enhancement, Environmental Vitality and Income Stabilization." Chapter, *An Institutionalist Guide to Economics and Public Policy*. Edited by Marc. R. Tool. New York: M.E. Sharpe, Inc. 1988.

"Evolution of Time Constructs and Their Impact on Socioeconomic Planning." Chapter, *Evolutionary Economics: Foundation of Institutional Thought*. Edited by Marc R. Tool. New York: M.E. Sharpe, Inc. (Reprinted from *Journal of Economic Issues*.)

"Fiscal Equity of the Nebraska Education System." Chapter, *Analysis of the Nebraska Public School System*. Edited by Cale Hudson. Lincoln: Nebraska State Department of Education. 1978.

## **PUBLICATIONS**

### Articles in Refereed Journals

"Combining Equity and the Precautionary Principle: Examples Drawn from Hog Production in Poland." *Journal of Economic Issues*. 39, June 2005.

"Network Consequences Due to Oligopolists and Oligopsonists in the Hog Industry, Pollution from Hog Production, and the Failure to Regulate Ecological Criteria." *Journal of Economic Issues* 38, June 2004.

"Endangered Democratic Institutions and Instrumental Inquiry: Remarks upon Receiving the Veblen-Commons Award." *Journal of Economic Issues* 37, June 2003.

"The Use of Power Blocs of Integrated Corporate Directorships to Articulate a Power Structure: Case Study and Research Recommendations," with Kellee R. Wood and Asuman Kaya. *Journal of Economic Issues* 36, September 2002.

"Policymaking Network of the Iron-Triangle Subgovernment for Licensing Hazardous Waste Facilities." *Journal of Economic Issues* 36, June 2002.

Analysis of the Financial Assurance Plan in the License Application for a Low-Level Radioactive Waste Disposal Facility,” with Scott Fullwiler. *Journal of Economic Issues* 35, March 2001.

“Redistributing Income Upward Through the Cost-Plus Reimbursement Terms of Subgovernment Contracts,” with Steve Bolduc. *Journal of Economics Issues* 32, June 1998.

“Political and Economic Analysis of Low-Level Radioactive Waste,” with Steven R. Bolduc. *Journal of Economic Issues* 31, June 1997.

“Issues in Ecosystem Valuation: Improving Information for Decision Making,” with others. *Journal of Ecological Economics*, July 1996.

"Comparison of the Corporate Decision Networks of Nebraska and the United States." Journal of Economic Issues 29, September 1995.

"Instrumentalist Policymaking: Policy Criteria in a Transactional Context." *Journal of Economic Issues* 29, June 1995.

"Reply to a Comment on 'Order Matters'..." *Journal of Economic Issues* 29, March 1995.

"Ecosystem Valuation: Combining Economics, Philosophy, and Ecology." *Journal of Economic Issues* 27, June 1993.

"Order Matters, and Thus So Does Timing: Graphical Clocks and Process Synchronicity." *Journal of Economic Issues* 27, March 1993.

"Overlap of Organizations: Corporate Transorganization and Veblen's Thesis on Higher Education," with Kurt Stephenson. *Journal of Economic Issues* 27, March 1992.

"Instrumental Valuation Indicators for Natural Resources and Ecosystems." *Journal of Economic Issues* 25, December 1991.

"Critique of Contingent Valuation and Travel Cost Methods for Valuing Natural Resources and Ecosystems," with David Eberle, *Journal of Economic Issues* 25, September 1991.

"Wetlands Provisions of the 1985 and for the 1990 Farm Bill." *Journal of Economic Issues* 24, June 1990.

"Public Pension Power for Socioeconomic Investments." *Journal of Economic Issues* 23, December 1989.

"Institutionalism for What: To Understand Inevitable Progress or For Policy Relevance?" *Journal of Economic Issues* 23, June 1989.

"Values, Beliefs and Attitudes in a Social Fabric Matrix." *Journal of Economic Issues* 22, June 1988.

"Evolution of Time Constructs and Their Impact on Socioeconomic Planning." *Journal of Economic Issues* 21, September 1987, republished in book of readings published by M.E. Sharpe, Inc. 1988.

"Degregori's *A Theory of Technology*: A Review Article." with Han Yu Lee, *Journal of Economic Issues* 20, September 1986.

"Defining and Articulating Social Change Through the Social Fabric Matrix and System Digraph." *Journal of Economic Issues* 20, June 1986.

"Family Farmland Reserve: A State Government Program for Restructuring Farm Debt." *Journal of Economic Issues* 20, March 1986.

"Rejoinder to David Vail's Comments on National Agricultural Policy." *Journal of Economic Issues* 20, March 1986.

"A Transdisciplinary Integration Matrix for Economics and Policy Analysis." *Social Science Information*. SAGE: London, Beverly Hills and, New Delhi 24, December 1985.

This article is a paper presented at the second meeting, in November 1984, of Project IDEA (Interdisciplinary Dimensions of Economic Analysis) held at Marson des Sciences del' Homme in Paris and jointly sponsored by the International Social Science Council and the Bank of Sweden Tercentenary Foundation.

"Industrial Policy at the State Level in the U.S.," with Doug Kruse and Steve Williams. *Journal of Economic Issues* 19, June 1985.

"A Geobased National Agricultural Policy for Rural Community Enhancement, Environmental Vitality, and Income Stabilization." *Journal of Economic Issues* 23, March 1984.

"Integration of Social Indicators into Holistic Geobased Models." *Journal of Economic Issues* 17, June 1983.

"Institutionalist Analysis of the Political Economy of Food and Nutrition." *Review of Institutional Thought*, December 1982.

"Organizing Policy Research Problems Through the Social Fabric Matrix: A Boolean Digraph Approach." *Journal of Economic Issues* 16, December 1982.

"Invention and Instrumentalism: The Differences Between Tool Use and Tool Combinations." *Journal of Economic Issues* 16, September 1982.

"Social Fabric Matrix: From Perspective to Analytical Tool." *Journal of Economic Issues* 16, September 1982.

"Project Evaluation in a Future's Real Time System." *Journal of Economic Issues* 16, June 1982.

"An Assessment Dependent Upon Technology." *Journal of Economic Issues* 15, March 1981.

"Planning Through the Socialization of Property Rights: The Community Reinvestment Act," with Larry D. Swanson. *Journal of Economic Issues* 14, June 1980.

"A Critical Analysis of Time Stream Discounting for Social Program Evaluation." *The Social Science Journal* 15, April 1980.

"Review of Marc R. Tool, "The Discretionary Economy: A Normative Theory of Political Economy." *Journal of Economic Issues* 14, March 1980.

"An Algorithm for Deriving Fiscal Equity Indicators of a School Financing Structure With an Application to the Public School Finance System of Nebraska." *Journal of Education Finance* 4 Winter, 1979.

"A Total Budget Methodology for Analyzing Interdistrict Equity of State Education Finance Systems With an Application to Nebraska." *Nebraska Journal of Economics and Business* 18, Autumn 1979.

"Toward a Social Welfare Construct for Social Indicators." *The American Journal of Economics and Sociology* 36, April 1977. This article received Gold Key Award from Delta Tau Kappa: The International Social Science Honor Society, 1977.

"The Village Economy of India." *Phi Kappa Phi Journal* 56, Fall 1976.

"Review of Rollo Handy. "The Measurement of Values: Behavioral Science and Philosophical Approaches." *Journal of Theory and Decision* 6, 1975.

"Fiscal Federalism: Program Budgeting and the Multi-Level Government Setting." *Nebraska Journal of Economics and Business* 12, Winter 1973.

## **PUBLICATIONS**

Books, Monographs, Reports, and Pamphlets

*Policymaking for a Good Society: The Social Fabric Matrix Approach to Policy Analysis and Program Evaluation.* Heidelberg/New York: Springer, 2006.

"Flawed Reasoning," Lincoln, NE: Office of Nebraska Commissioner of the Central Interstate Low-Level Radioactive Waste Compact Commission, June 25, 2003.

"Unclean Hands," Lincoln, NE: Office of Nebraska Commissioner of the Central Interstate Low-Level Radioactive Waste Compact Commission, June 25, 2003.

"Commission as Biased Decision Maker," Lincoln, NE: Office of Nebraska Commissioner of the Central Interstate Low-Level Radioactive Waste Compact Commission, June 25, 2003.

"Financial Condition of American Ecology Corporation Evaluated by Financial Criteria of *NUREG-1200* for years 1993-1997," Lincoln, NE: Office of Nebraska Commission of the Central Interstate Low-Level Radioactive Waste Compact Commission, June 1, 2003.

"Comments on Draft Environmental Impact Analysis (DEIA) and Draft Safety Evaluation Report (DSER)," (assistance from Scott Fullwiler). Lincoln: Office of Nebraska

- Commissioner of Central Interstate Low-Level Radioactive Waste Compact, 131-page report plus attached reference material, February 1998.
- “Report on the Financial Condition of American Ecology Corporation.” Lincoln: Office of Nebraska Commissioner of Central Interstate Low-Level Radioactive Waste Compact, 54-page report plus Resource Material, July 1998.  
Funds from Nebraska Department of Environmental Quality for research assistance. Report received widespread media coverage, including *Wall Street Journal* article.
- “Seven-Point Plan for Disengagement.” Lincoln, NE: Office of Nebraska Commission of Central Interstate Low-Level Radioactive Waste Compact, August 1998.
- “The Multiplication of CIC Costs through Cost-Plus Adders and Compounded Interest Charges: Cost Consequences of the Contracts between the CIC and USE/AEC and between CIC and Major Generators.” Lincoln, NE: Office of Nebraska Commissioner of Central Interstate Low-Level Radioactive Waste Compact, September 1998.
- “Comments on Environmental Analysis (EIA), Safety Evaluation Report (SER), and Response to Comments (RC).” Nebraska Department of Environmental Quality. Lincoln, NE: Office of Nebraska Commissioner of Central Interstate Low-Level Radioactive Waste Compact, (214 page report) November 1998.
- “Costs During the Operational Phase of the Central Interstate Low-Level Radioactive Waste Compact Facility in Boyd County,” with Steve Bolduc. Lincoln: Office of Nebraska Commissioner of Central Interstate Low-Level Radioactive Waste Compact, June 1997.
- “Excess Capacity for the Disposal of Low-Level Radioactive Waste in the United States Means New Compact Sites are Not Needed.” Lincoln, NE: Office of Nebraska Commissioner of Central Interstate Low-Level Radioactive Waste Compact, December 1997. Work recognized with many citations of the research in "The Economy and Financial Feasibility of the Proposed Sierra Blanca Low-Level Radioactive Waste Disposal Facility" prepared by Birny Birnbaum, Consulting Economist, October 1998; by California Governor Gray Davis when he distributed it to his committee of scientists: The Scientific Panel of the Advisory Group for Low-Level Radioactive Waste, December 1999; by the Scientific Panel of the Advisory Group's use of the projection formulae derived in the study for their own projections; and by the U.S. General Accounting Office's September 1999 report that emphasized “the importance of Hayden's report for California.” This report resulted in front-page stories on it in *Wall Street Journal*, *Los Angeles Times*, *Chicago Tribune*, and *San Francisco Chronicle* in addition to stories in many others newspapers such as the *New York Times*, and thereafter stories in most newspapers across the nation due to Associated Press coverage. The economics journal, *Contemporary Economic Policy*, requested a rewrite for publication. U.S. Senator Diane Feinstein (California) requested a study of the report by the U.S. Department of Energy.
- “Report on the Financial Condition of American Ecology Corporation” (Owner of U.S. Ecology). Report for Central Interstate Low-Level Radioactive Waste Compact Commission, March 1996.
- “Waste Stream Analysis of the Proposed Low-Level Radioactive Waste Site in Boyd County, Nebraska,” with Jay Hoffman. Report for Central Interstate Low-Level Radioactive Waste Compact Commission, Summer 1996.
- “Unreported Expenses: Accumulated Interest for Major Generators,” with William C. Snider. Report for Central Interstate Low-Level Radioactive Waste Compact Commission, Fall 1996.

- “Recommendations regarding Federal Export and Transport Resolutions.” Report for Central Interstate Low-Level Radioactive Waste Commission, June 1995.
- "Criteria for Eligibility When There is Private Gain From Environmental Projects," Consulting Report. Lincoln, NE: Nebraska Environmental Trust, 1995.
- "Centralization, Concentration, and Degree of Equalization Measures for Nebraska State Government Activities," with Rick Atkisson. Lincoln: Nebraska Rural Development Commission, 1994, 75-page Monograph.
- "Econometrics of the Social Fabric Matrix Applied to Centralized Private Sector Planning Systems," with Kurt Stephenson. Rotterdam: Erasmus University, 1994, 60-page Monograph.
- Numerous brief studies and reports written for Central Interstate Low-Level Radioactive Waste Compact Commission such as:
- (a) Evolution of Financial Stability of American Ecology Corporation,
  - (b) Interest and Total owed on the US Ecology Contribution (with William Snider),
  - (c) Evolution of Financial Stability of American Ecology Corporation, and
  - (d) Cost-Plus Percentages That Multiply Costs.
- "Improving Ecosystem Valuation Information for Decision-Making." Final Report to the U.S. Environmental Protection Agency, with 14 other Forum members, including economists such as Kerry Smith, Richard Bishop, Dick Norgaard, and Daniel Bromley; and ecologists such as Bill Cooper and Bob Costanza). Washington D.C.: World Wildlife Fund, 80-page report, 1993.
- "Survey of Methodologies for Valuing Externalities and Public Goods." Washington, D.C.: U.S. Environmental Protection Agency, 1989.
- "Nebraska as a World-Class Center for the Communications Industry," with Douglas Kruse. Lincoln, NE: Nebraska Governor’s Policy Research Office, 1984.
- "Nebraska Public Pension Investment," with Steve Williams. Lincoln, NE: Nebraska Governor’s Policy Research Office, 1983.
- "Equity Capital for Nebraska Small Businesses," with Douglas Kruse and Steve Williams. Lincoln, NE: Nebraska Governor’s Policy Research Office, 1983.
- "Wetland Trends and Protection Programs in Nebraska," U.S. Office of Technology Assessment Project Report, with Larry D. Swanson, David Aiken, Douglas Kruse, and Charles DeKnatel. Lincoln, NE: Center for Great Plains Office of Policy Studies, 1982.
- Elementary and Secondary Aid to Education: Toward an Optimal Program for the State Government of Texas,* with Daniel C. Morgan. Austin, TX: The University of Texas Press, 1970.

#### Articles in Non-refereed Publications

"Collaborative Capitalism: Network of Corporate Influence That is Integrated by 35 Leaders of Initiative 413." *Nebraska Reporter* 25, April 1999.

This is the result of work over eight months, working closely with students to compile information they were collecting, and with a graduate assistant who was creating matrix and graphics from data with computer software. It received media coverage from Nebraska media of press, radio, and advocacy research outlets.

"Network of Social Influence That is Integrated by 35 leaders of Initiative 413." *Nebraska Reporter* 25, April 1999.

This is the result of work over eight months, working closely with students to compile information they were collecting, and with a graduate assistant who was creating matrix and graphics from data with computer software. It received media coverage from Nebraska media of press, radio, and advocacy research outlets.

"Report from the Commissioner: Excess Capacity for the Disposal of Low-Level Radioactive Waste in the United States Means New Compact Sites are Not Needed." *Nebraska Reporter* 25, January 1998.

"Fiduciary Responsibility and Moratorium: A Memorandum to CIC Commissioners." *Nebraska Reporter* 24, November 1997.

"The Proposed Low-Level Nuclear Waste Facility: The Numbers Don't Add Up." *Nebraska Reporter* 24, No. 1, January 1997.

"Three Protectionist Measures for Prosperity." Paper delivered at AFL-CIO Annual Awards Banquet (January 1995) and published in *Nebraska Reporter* April 1995.

"Free Trade' Ideology is Obsolete." *Nebraska Reporter* 23, Number 6, July/August 1995.

"Memories of Whitman's Rampage Hold Lessons for Today." *Lincoln Journal-Star*, May 7, 1995.

## HONORS AND AWARDS

Gamma Chapter, Omicron Delta Epsilon Professor of the Year, 2003-2004.

Included in Academic Keys *Who's Who in Business Higher Education*, which is the most comprehensive and authoritative online source of information available on leading and influential experts and scientists in the field of business education in the institutions of higher education, 2003.

Included in *Who's Who Among America's Teacher's*, 2004. This honor pays tribute to America's most respected professors who have been selected by the professors' successful former students who have been cited for academic excellence themselves in the *National Dean's List*, 2003.

Veblen-Commons Award, given in recognition of the contributions made by an outstanding scholar in economics, January 2003.

Awarded the distinction of "Fellow" by the UNL Center for Great Plains Studies in recognition of exceptional scholarship about the past, present, and future of the Great Plains as found in research on wetlands, radioactive waste disposal, agricultural policy, and state government fiscal analysis, 2002.



Ecological-economics publications recognized in ecological RESECON list serve, 1994-2002.

Recognition of Appreciation from people of Boyd County, Nebraska for dedicated service on Central Interstate Low-Level Radioactive Waste Compact Commission, March 2001.

Recognized by UNL Department of Part-Time Student Services and Degree Options for support and significant impact on older students, 1999.

Recognized by UNL Department of Intercollegiate Athletics-Academic Programs for participation in Supplemental Instruction in coordination with the Hewitt Academic Center for Student-Athletes, 1999.

Research Initiative Appreciation, UNL, Office of Vice-Chancellor for Research, 1999.

Gamma Chapter, Omicron Delta Epsilon Professor of the Year, 1998-1999.

U.S. Department of Interior and U.S. General Accounting Office as explained in GAO/RCED-98-40R *Questions in Ward Valley* as DOI and GAO required that the State of California address Hayden's financial impact studies and low-level radioactive waste volume projections in a supplemental environmental impact statement, 1998.

Recognition of Appreciation from citizens of Boyd County, Nebraska for public service on Central Interstate Low-Level Radioactive Waste Compact Commission, 1998.

Honored guest at Nebraska Commission on the Status of Women's 1997 Women of Distinction Award Luncheon, 1997.

Honored by University of Missouri-Kansas City Department of Economics for Scholarship, 1996.

Development of social fabric matrix recognized in the lead article in the Fall 1996 issue of *Systems Dynamics Review*, which was devoted to the integration of the Hayden social fabric matrix with systems dynamics; a major scientific breakthrough for the analysis of systems.

Invited by two Russian economists to make a presentation at the symposium of "Evolutionary Economics on the Threshold of the 21<sup>st</sup> Century" because of scientific contribution to evolutionary economic thought in Russia. The economists: Leonid I. Abakin, Director of the Institute of Economics in Russia, and Valery L. Makavoc, Director of the Central Economic and Mathematical Institute, and serving as President and Vice-President respectively of their Center of Evolutionary Economics, 1995.

Outstanding Service Award, Association for Evolutionary Economics, 1995.

Hungarian Government funded a research stay of Hungarian professor of technological development with Professor Hayden at UNL, January 1995.

Lincoln AFL-CIO, Guest speaker at Albert Bauer Award Banquet, 1995.

Center for Agriculture and Resource Economics, University of New England, Armidale, Australia funded professor for a research visit with Professor Hayden at UNL, October 1994.

Lincoln American Legion Post, Community Service Appreciation, 1987-1991 & 1994-1997.

*Celebrity Outreach*, selected as a National Celebrity to write an essay on solutions for 21<sup>st</sup> Century, 1993.

National Mortar Board Award for distinguished record of high scholarship, leadership, and service. Inducted Ivy Day, April 24, 1993.

Netherlands Association for Post-Keynesian Studies, Keynote Speaker for annual Meeting, Erasmus University, Rotterdam, 1992.

World Economics Forum recognized as leading world decision maker and key player, 1990-94.

Parents Association and Teaching Council of University of Nebraska Recognition Award for contributions to students, 1989-92, 1994-96.

Received University Lecture Service Presentation from University of Wisconsin, University Lecture Series, 1990.

Executive Committee, UNL Faculty Senate, 1988-90.

Invited paper at Fifth International Congress for Social Economics, York, England, August 1988.

Selected by British Economic and Social Research Council to deliver paper, select participants, plan, and co-chair London Conference of U.S. and European economists, 1987-88.

West German Government Research Society funded Science Stay in Germany for delivering policy modeling lectures and conducting economic development interviews, 1988.

West German Government Research Society funded German professor's research stay with Professor Hayden at UNL, Summer 1987.

Advisory Committee, Center for Rural Affairs, 1987-93.

Outstanding Faculty Award from International Fraternity of Delta Sigma Pi for teaching excellence and outstanding community leadership, 1987.

International Social Science Council in Paris, selected as one of eight internationally recognized economists to research interdisciplinary models to allow for integration of ecological systems and socioeconomic systems and participate in Paris conference. Sponsored by

International Social Science Council and Bank of Sweden Tercentenary Foundation, 1984-1987.

Certificate of Appreciation from Federal Learning Disabilities Project in recognition of service to learning-disabled students at UNL, 1986.

Recognized by American Psychological Association's *Monitor* for innovation of Governor's Fellows Program, 1986.

Certificate of Appreciation from Western Governors' Association for service on Western Governors' Economics Research Technical Advisory Committee, 1986.

Governor's Award for Service on State of Nebraska Governor's Task Force, 1985.

U.S. Social Science Research Council, selected as one of fifteen leading U.S. social scientists to participate in conference on forecasting, 1984.

Layman Research Fund Grant, 1984.

Kudos Section of NU Board of Regents, 1979.

University of Nebraska Distinguished Teacher Award, with stipend, 1978.

1977 Gold Key Award from Delta Tau Kappa: The International Social Science Honor Society for article on measurement and social indicators.

Selected to be featured in *America's Names and Faces*, as an outstanding newsmaker, 1977.  
Kudos Section of Board of Regents, UNL, 1977.

Recognized by Lincoln *Sunday Journal Star* as the "most important man in the whole appropriations process" for the State of Nebraska, 1971.

Phi Kappa Phi Honor Society, 1966.

Graduate School Fellowships, 1964-67.

1. National Science Foundation
2. Richard J. Gonzales - Humble Oil
3. Ford Foundation-America's Names and Faces

Graduated Cum Laude, 1962.

Alpha Kappa Psi, 1961.

Omicron Delta Epsilon Honor Society, 1961.

## ACADEMIC ORGANIZATION MEMBERSHIPS

Association for Social Economics  
American Economic Association  
Omicron Delta Epsilon  
Association for Institutional Thought  
American Association of University Professors  
Center for Great Plains Studies, Fellow and Board of Trustees  
Board of Directors, Association for Institutionalist Thought, 1978-1982  
Western Social Science Association, Economics Program Chairperson, 1977-1978.  
Association for Evolutionary Economics, Secretary-Treasurer, Vice President, Program Chair,  
President, Board of Directors, Board of Trustees, 1978-2002.  
*Utilities Policy Strategy, Performance, and Regulation*, International Editorial Board,

## PROFESSIONAL EMPLOYMENT/CONSULTING EXPERIENCE/BOARD SERVICE

Economic analyst, advisor, and expert witness in court for the Office of Attorney General of California in the case of *US Ecology, Inc., v. State of California et al.*, 2002-2003.  
Advisor to research project to use Social Fabric Matrix to assess sustainability of the Northwest Forest Plan on the North Olympic Peninsula of State of Washington, 2002.  
Advisor to Good Governance for Social Development and the Environment Institute of Bangkok, Thailand for use of Social Fabric Matrix to plan a system for hazardous waste, 2001-02.  
UNL and Joslyn Castle Institute for Sustainable Communities joint committee to plan International Conference on Ecospheres: Land, Water, Populations, and Technology, 2000-2001.  
Economic Advisory for Nebraska Association of Public Employees/American Federation of State, County and Municipal Employees, regarding wage differential problem, 2000.  
Economic Advisory, IPL regarding the policy approach that should be taken with regard to joint activities by labor unions and churches with regard to low wages and corporate power, 2000.  
Committee of scientists appointed by California Governor Gray Davis to study and provide advice on California's low-level radioactive waste disposal made extensive use of my past and expected national and regional trends and projections regarding low-level radioactive waste. My work is included in their report, *Management and Disposal of California's Low-Level Radioactive Waste*.  
Served at the invitation of Administration of the University of Missouri-Kansas City to serve on Assessment Committee on Program Evaluation to conduct five-year program evaluation of the UMKC Department of Economics. Responsibilities included on-site visits, evaluation of Department's centers, report writing, and feedback to participants, 2000.  
Advisor to Center for Public Integrity, Washington, DC. Consultation regarding the relationship between corporate interlocks, campaign finance, and public integrity of Nebraska Senators, Fall 1999.  
Socioeconomic concepts and hypothesis advisor, *Vasina Documentary*, New York, 1999-2000.  
Nebraska Commissioner on five-state Central Interstate Low-Level Radioactive Waste Compact Commission, appointed by Governor Ben Nelson, reappointed by Governor Mike Johanns, 1994-2003.

Board of Governors, Program Committee, and Budget Committee, Center for Great Plains Studies, 1980-2000.

Executive Secretary-Treasurer, Board Member, Program chair, President-Elect, President, Board of Directors, and Board of Trustees, Association for Evolutionary Economics, 1978-2000.

Policy Analyst and Advisor for the following political campaigns: Exon for Governor, Kerrey for Governor, Boosalis for Governor, Hoppner for Governor, Nelson for Governor, Nelson for Senate, and Wesely for Mayor.

Member, Rural Property Tax Panel, Nebraska Development Commission, Nebraska Department of Economic Development, 1995.

Committee member, Nebraska Network 21: Nebraska Food System Learning Network for the 21st Century, 1994-95.

Panelist, Nebraska Rural Development Commission, 1994-95.

Research consultant, Nebraska Rural Development Commission, 1993-94.

Member, National Ecosystem Valuation Forum, Sponsored by U.S. Environmental Protection Agency, World Wildlife Fund, and the Conservation Foundation, 1991-92.

Advisory Board, Center for Rural Affairs, 1987-93.

Executive Committee, UNL Faculty Senate, 1988-90.

Member, Nebraska Investment Council, (Investment policy for Nebraska State pension funds). Appointed by Governor Kerrey, 1986-90.

Member, Western Governors' Association Research Center Task Force, 1985-90.

Member, Minnesota Wellspring (recognized by the National Science Foundation as a leading industry/university research consortium). Minnesota Wellspring is a technology and research consortium of leaders from business, labor, agriculture, education and government, 1984-85.

Member of Lincoln Indian Center Financial Development Task Force, 1985.

Coordinator and chief researcher for Governor's State-Wide Task Forces:

- (1) Communications and Information Systems Technology, 1984.
- (2) Beginning Farmer Financing, 1984.
- (3) Small Business Equity Financing, 1983.
- (4) State Pension Fund Investment, 1983.

Special Assistant to Governor Robert Kerrey, Office of the Governor, 1982-86.

Committee Member, Nebraska Water Resources Center's Groundwater Reservoir Management Social Impacts Study, 1980-81.

Board of Directors of the Governmental Research Institute, Inc., 1978-81.

Executive Graduate Council, UNL, 1980-82.

National Science Foundation Overview Committee for the Omaha Urban Waste Recycling Study, 1977-78.

Director of Graduate Studies, Department of Economics, UNL, 1975-85.

Chairman, Lincoln-Lancaster County Human Services Blue Ribbon Advisory Committee, 1973-75.

Member, Platte River Basin Tax Study-Nebraska, 1974.

Econometric projection and expert witness in court cases regarding economic value of life, 1972-73.

Consultant, Governor's Budget Office of Governor James Exon, Econometric Projection Model, 1971.

Consultant, Policy Research Office of Governor Norbert Tiemann, 1969-71.

## **Review of Books and Research Papers**

*The Institutional Approach to Public Utility Regulation.* Edited by Warren J. Samuels and Edythe S. Miller. East Lansing: Michigan State University Press. 2002.

Reviewed articles for *Journal of Economic Issues*, 2001.

Invited by U.S. Department of Environmental Protection Agency to serve as an expert reviewer of six research papers funded by EPA and presented at a two-day workshop at Berkeley, California, December 16-17, 1998. The papers, by microeconomists, were commissioned by EPA, presented at a two-day workshop for review and discussion. The papers and authors were as follows:

- a. "Magnetic Fluorescent Ballasts: Market Data, Market Imperfections, and Policy Success." Written by Jonathan G. Koomey, Alan H. Sanstad, and Leslie J. Shown.
- b. "Voluntary Pollution Prevention and the Theory of the Firm." Written by Richard B. Howarth, Brent M. Haddad, and Bruce Paton.
- c. "The Importance of Organizational Structure for the Adoption of Innovations." Written by Stephen J. DeCanio, Catherine Dibble, and Keyvan Amir-Atefi.
- d. "Improved Decisions About Technology: An Integrated Scenario Analysis Using the LBNL-NEMS Model." Written by Skip Laitner, U.S. Environmental Protection Agency.
- e. "Is Energy Efficiency Worth It?" Written by Alan Sanstad, Lawrence Berkeley National Laboratory.
- f. "Resource-Based Strategy and Voluntary Environmental Initiatives." Written by Bruce Paton, University of California, Santa Cruz.

## **RESEARCH GRANTS AND CONTRACTS**

Grant for Leave of Absence for research and writing, University of Nebraska-Lincoln, Spring Semester, 2002.

Grant from UNL Program in Business, Ethics, and Society to complete "Ethics Module for Economics Courses," Summer 2001.

Research assistant provided by UNL Department of Economics to provide data collection and computer support for investigation of a corporate power network, 1999–2001.

Funding from Nebraska Department of Environmental Quality for research assistant to conduct research and complete statistical analysis regarding low-level radioactive waste, 1995-2000.

Grant from National Institute for Global Environmental Change to fund research on microclimate and biodiversity of linear forests in a mixed agricultural landscape using an integrated model to determine values under a changing climate scenario (co-investigator), 1995-1999.

Funded contract with Nebraska Environmental Trust to investigate the criteria for eligibility when there is private gain from environmental projects, 1995.

Funded grant from Nebraska Rural Development Commission to design and apply measures to determine the degree of centralization, concentration, and equalization of the State of Nebraska government expenditures among Nebraska Counties, (co-investigator), 1993.

Two-year Research Forum with quarterly meetings in Washington D.C. of 14 members. The U.S. Environmental Protection Agency and World Wildlife Fund funded the investigation of a multidisciplinary team (to include economists Kerry Smith, Richard Bishop, Dick Norgaard, David Bromley, and F. Gregory Hayden) to study how to improve ecosystem valuation indicators for decision making, 1991-1993.

Funded contract from U.S. Environmental Protection Agency to survey and analyze methodologies for valuing externalities and public goods, 1989.

Ford Foundation research grant, Principal Investigator, 1988.

Research grant from U.S. Office of Technology Assessment to determine wetland trends in Nebraska and design protection programs (co-investigator), 1982.

Grant from Woods Foundation and National Endowment for the Humanities for a group of professors at UNL to establish the Office of Policy Studies at Center for Great Plains Studies, 1981.

Funded contract with Nebraska Senate Appropriations Committee to complete an analysis of the low-income weatherization programs impact on the Nebraska economy and tax revenue (co-investigator), 1980.

Research grant from Center for Great Plains Studies to research and design examination procedures and regulations for implementing the Community Reinvestment Act in rural America, 1979.

Research grant from U.S. Department of education to derive and design a total methodology, derive fiscal equity measures, and analyze the interdistrict equity of Nebraska school financing system (co-investigator), 1977-78.

Member, Platte River Basin Tax Study-Nebraska, 1977.

Member, Nebraska Water Resources Center's Groundwater Reservoir Management Social Impacts Study, 1975.

Co-investigator of Nebraska Public School Finance Study, 1973-74. Funds provided by grant from U.S. Department of Education through Section 842, P.L. 93-380.

Research grant from Budget Division, Nebraska Department of Administrative Services to complete econometric model and project State revenues and taxes, 1970.

Research grant from U.S. Department of Health to establish the Planning-Programming-Budgeting System in Nebraska State Departments of Health, Budget, Revenue, Labor, Welfare, and Education, and to serve as PPBS advisor and trainer. The latter included a semester class for the top officials in these Departments, 1969-70.

### **SEMINAR/CONFERENCE PAPERS PRESENTED**

“Exploration of the Integration of General Systems Principles and Institutional Theory Through Applied Analysis.” Western Social Sciences Association Meeting. Salt Lake City, Utah. April 22-25, 2004.

“Relationship between Oligopolistic Swine Production and Pollution.” Allied Social Sciences Meeting. San Diego, CA. January 3-5, 2004.

“Environmental Discrimination and the Precautionary Principle.” Allied Social Science Association. Washington D.C. January 2003.

“Policy Concerns Regarding Ecologically Sound Disposal of Hazardous Waste Materials.” Interdisciplinary Environmental Studies Conference. University of Wisconsin–La Crosse. February 2002.

Delivered lectures to faculty and graduate students of Department of Economics, University of Wisconsin–La Crosse, February 2002.

1. “How to Measure a Corporate Power Structure and Its Meaning for the Theory of the Firm.”
2. “Ecological Economics and the Theory of the Firm.” Presented three-hour lecture to graduate microeconomics class.

“The Iron Triangle Subgovernment and Hazardous Waste.” Allied Social Science Association. Atlanta. January 2002.

Invited by Nebraska Wesleyan Ecological Studies to be Guest Lecturer on “Ecological Studies and the Value of Wetlands,” February 2001.

Invited by Iowa Department of Justice to conduct seminar for their attorneys and economists on corporate power structure, July 2001.

Served as lecturer and discussion leader on institutional economics and public policy at one-week summer school for graduate students and new doctorates from numerous countries. Sponsored by Association for Evolutionary Economics and the University of Missouri–Kansas City, June 2001.

“Analysis of the Financial Assurance Plan in the License Application for a Low-Level Radioactive Waste Facility,” with Scott T. Fullwilwer. Allied Social Science Association. New Orleans. January 2001.



## **DISCUSSANT/SESSION CHAIR/CONFERENCE ORGANIZER**

Discussant of five papers at Allied Social Science Association meeting, Atlanta, January 2002.

Chair of paper session at Allied Social Science Association meeting, Atlanta, January 2002.

## **COURSES TAUGHT**

Principles of Economics: Microeconomics  
Principles of Economics: Macroeconomics  
Intermediate Microeconomics Theory  
Intermediate Macroeconomics Theory  
Advanced Microeconomics Theory (Graduate)  
Institutional Economic Theory  
Public Finance and Taxation (Undergraduate and Graduate)  
Government Efficiency (Undergraduate and Graduate)  
Seminar in Public Policy Analysis (Graduate)  
Money and Banking  
Current Economic Issues

## **UNIVERSITY SERVICES**

Center for Great Plains Studies, Advisory Committee for Graduate Specialization in Great Plains Studies, 2001-04  
Center for Great Plains Studies, Finance Committee, 1995-2001  
UNL Ethics Colloquium, 1999-2001  
UNL Public Policy Analysis and Program Evaluation Certificate, 1976-2001  
UNL Research Initiative Committee: Climate Change, 1999-2000  
UNL Research Initiative Committee: Water, 1999-2000  
UNL Academic Planning Committee, 1997-2000