

## VITA

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## PERSONAL INFORMATION

U.S. Citizen, Married with three children.

## EDUCATION

Degrees:

B.A., Economics major, with honors, June 1981.  
University of Montana, Missoula, Montana.

Academic Awards: Fox Scholarship for Undergraduate Studies, 1979-1980 and 1980-1981.

Ph.D. in Economics, December 1986.  
University of Wyoming, Laramie, Wyoming.  
Dissertation Title: "Essays in Applied Microeconomics: Measuring the Multilateral Allocation of Rent and Dual Measures of Market Power," Scott E. Atkinson, Major Professor.

Fields of Specialization: Applied Microeconomic Theory, Econometrics, Industrial Organization and Regulation, Public Finance.

Graduate Studies: Econometrics, Public Finance and Welfare Economics, Environmental Economics, Micro Theory, Macro Theory, Industrial Organization and Regulation, International Trade, Dynamic Systems.

## REFEREED PUBLICATIONS

37. Non-Response bias in student evaluation of teaching. International Review of Economics Education, available online: 2-JUN-2014, with Clifford Nowell and Lewis Gale.

<http://authors.elsevier.com/sd/article/S1477388014000115>

36. "Public Subsidies, Tuition, and Public Universities' Choices of Undergraduate Acceptance and Retention Rates," Education Economics, with Clifford Nowell, accepted for publication, December 2011.

35. "Endangered Species Conservation on Private Land: Assessing the Effectiveness of Habitat Conservation Plans," Journal of Environmental Economics and Management, with Christian Langpap, available online March 2, 2012.

34." The Practice and Economics of Stewardship Contracting: A Case Study of the Clearwater Stewardship Contract," Forest Products Journal, 2010, Vol. 60(3), pp.1-8.

33."Local Employment Growth, Migration, and Public Land Policy: Evidence from the Northwest Forest Plan," Journal of Agricultural and Resource Economics, 2010, Vol. 35(2), pp. 316-333, with Henry Eichman, Gary Hunt, and Andrew Plantinga.

32. "Allocating Conservation Resources under the Endangered Species Act," American Journal of Agricultural Economics, AJAE advanced access, January 20, 2010, with Christian Langpap.

31. "The Economic Impacts of the ATA/Southwest Code-Sharing Agreement," Research in Transportation Economics, forthcoming 2009, with Yan Du and B. Starr McMullen.

30. "Are High Wage Jobs Hazardous to Your Health: The Myth that Attracting High Paying Extractive Industry Jobs Is a Desirable Community Economic Development Strategy," Western Economics Forum, Vol. 6(2) (Fall 2008), pp. 10-14, with John Loomis and Stephen Weiler.

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29."Learning from Endangered Species Recovery Programs: A Case Study Using U.S. Endangered Species Act Recovery Scores," Ecological Economics, Vol. 63(2-3) (August 2007), pp. 499-510, with Christian Langpap.

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27."Does One Size Fit All? Differences in the Influence of Wages, Financial Aid, and Integration on Student Retention," Economics of Education Review, with Clifford Nowell, Vol. 24 (2005), pp. 85-95.

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26. “Examining the Role of Social Isolation on Stated Preferences,” American Economic Review, with John List, Robert Berrens, and Alok Bohara, Vol. 94(3)(2004) pp. 741-752.

Reprinted in Economics of Environmental Law, R. Brooks, N. Keohane, and D. Kysay, eds., Edgar Elgar Publishing, 2009.

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25. “Public Values for Biodiversity Conservation Policies in the Oregon Coast Range,” Forest Science, with Brian Garber-Yontz and Rebecca Johnson, Vol. 50(1)(2004) pp. 589-602.

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24. “A Nonexperimental Test of the Contingent Valuation Method: Comparing Hypothetical and Actual Voting Behavior,” J. of Environmental Economics and Management, with Christian Vossler, Vol. 45 (2003) pp 631-649.

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17. "Heterogeneous Visitors and the Spatial Limits of the On-Site Cost Model," Journal of Leisure Research, with C. Nowell, Vol. 31, no. 4 (1999) pp.404-419.

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12. "A Randomized Response Approach to Dichotomous Choice Contingent Valuation," *American Journal of Agricultural Economics*, with R. Berrens and A. Bohara, Vol. 79, No. 1 (February 1997) pp. 252-265.

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"Prof: Students don't think showing up for class is necessary," OSU This Week, February 2, 1995, vol.34, no. 17, p. 1.

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"1 in 4 students cheat, OSU survey reports," Gazette Times, October 12, 1993, Corvallis, Oregon, p.1.

Cheating by Economics Students, Interviews with KCBY, Salem, Oregon and KUGN, Eugene, Oregon, October 1993.

#### INVITED PAPERS, CONFERENCE PROCEEDINGS, and CHAPTERS IN BOOKS

Making Estimates of Ecosystem Service Values Useful, International Journal of Wilderness, vol. 18, No. 3, (December 2012).

The Northwest Forest Plan Has Been Good for the Region's Environment and Economy, Northwest Science, vol. 85, No. 3 (2011) 506-507, with Mike Anderson.

Did the Northwest Forest Plan Impact Rural Counties More than Urban Counties?, 2007 Annual Proceedings of the USDA-CSREES Regional Research Project W-1133, The Cost and Benefits of Resource Policies Affecting Public and Private Land, Richmond, VA, March 2007

Escalating Journal Costs, OSU This Week, May 4, 2006, p.3.

The Endangered Species Act: Process, Progress, and Controversy, The Benchmark (Newsletter of the Mary's Peak Group, Sierra Club), Summer 2002.

Forest Management, Economics, and Carbon Storage: A Summary Comparison of Northwest Russia and the Pacific Northwest of the United States in Carbon Dynamics in Two Forest Systems: U.S. Pacific Northwest and Northwest Russia (M. Harmon and O. Krankina, eds.) Springer-Verlag (forthcoming), with Olga Zyrina.

Forest Management, Economics, and Carbon Storage in the U.S. Pacific Northwest in Carbon Dynamics in Two Forest Systems: U.S. Pacific Northwest and Northwest Russia (M. Harmon and O. Krankina, eds.) Springer-Verlag (forthcoming).

Forest Management, Economics, and Carbon Storage in Northwest Russia in Carbon Dynamics in Two Forest Systems: U.S. Pacific Northwest and Northwest Russia (M. Harmon and O. Krankina, eds.) Springer-Verlag (forthcoming), with Sergey Graiznov, Valentine Panchenko, and

Olga Zyrina..

Innovative Upstream Investments and Input Supply Contracts, in Advances in the Study of Entrepreneurship, Innovation, and Economic Growth (G. Leibcap, ed.) Stamford, CT: JAI Press (2001).

Do Two Wrongs Make a Right: Commentary, in Academic Ethics, Case Studies from University Life, Reflections, vol. 6, No. 1, (March 1999), pp. 14-15.

The Economic Value of a Predator: Yellowstone Trout, in Proceedings of the Third Biennial Conference on the Greater Yellowstone Ecosystem, A. Curlee, A. Gillesberg, and D. Casey, eds., Northern Rockies Conservation Cooperative, Jackson, WY, 1995.

We Can Do a Better Job of Teaching Principles of Microeconomics, OregonStateUniversity mimeo.

"A Suggested Approach for Examining Social Context Effects in Contingent Valuation," Association of Environmental and Resource Economists Newsletter, vol. 14, No. 1, pp. 12-17 (with R. Berrens).

"Comparing CV Responses with Voting Behavior: Open Space Survey and Referendum in Corvallis, Oregon," Ninth Interim Report, W-133 Conference Proceedings, 1997, Western Regional Research Publications, with O. Gainutdinova and S. Polasky.

Lockwood, Australian Economic Papers, September 1998.

Quiggin, Australian Economic Papers, September 1998.

Blamey, Australian Economic Papers, September 1998.

Loomis and Esland, Ecological Economics, 1998.

Blamey, Land Economics, 2000.

Carson, Amer. J. of Ag. Econ., 2000.

Carson, et al., Environmental and Resource Econ., 2001.

#### SUBMITTED PAPERS

“Comparing Spending Priorities for Recovery and Avoiding Extinction of Threatened and Endangered Species,” to Wildlife Research-Special Issue Prioritizing and Evaluating Biodiversity Projects, January 2012.

#### WORK IN PROGRESS

The Economic and Ecological Effects of Forest Road Remediation in Montana and Idaho, with Jonquil Powell.

Productivity Growth and Environmental Regulations in Mexican and U.S. Metals Industries, with S. Buccola and S. Hackenbrook.

Measuring the Marginal Cost of Carbon Sequestration, with Mark Harmon and Olga Zyrina.

"Willingness to Pay Estimates from a Generalized Binary Model," with Robert Berrens and Alok Bohara.

"The Efficient Use of Experimental Design Parameters in Randomized Response Logit Models."

## PRESENTATIONS and DISCUSSIONS

Ecosystem Services and Forest Roads: A Preliminary Cost-Benefit Analysis, Energy, Minerals and Environmental Health, United States Geological Survey, Reston, VA, April 24, 2012.

The Economics of Air Pollution Regulation: Benefits, Costs, and Effective Regulation, League of Women Voters, Bozeman, Montana, November 15, 2011.

Establishing Causality in the Case of Ecosystem Services from Protected Lands, The Potential of Ecosystem Services to Inform Wilderness and Protected Natural Area Designation and Management, Aldo Leopold Wilderness Research Institute, Lubrecht Experimental Forest, November 13-16, 2011.

Will Further Restoration of the Blackfoot Fishery Promote the Local Economy?, Wild Trout X, West Yellowstone, MT, September 29-October 1, 2010.

Beetle-Kill: From Epidemic to Economic Opportunity, Montana Economic Development Summit, Butte, Montana, September 8-10, 2010.

Biomass Energy through Collaborative Forest Restoration, Emerging Markets for Woody Biomass, Seeley-Swan-Blackfoot Summit, Seeley Lake, Montana, May 2010.

Constraints on Biomass Supply and Utilization (Ecological and Economic), Climate Change, Bioenergy, and Sustaining the Forests of Idaho and Montana, March 2010, Boise, Idaho, with Travis Belote and Bo Wilmer.

Sustainable Communities and Ecosystem Services, Forest Lecture Series, The Community Naturalist, Montana Discovery Foundation, Helena, MT. April 9, 2009.

"Sustainability for Tribal Communities," Northwest Tribal Water Rights Conference, Squaxin Island Tribe, October 24-25, 2007, Shelton, WA.

"Allocating Conservation Resources Under the Endangered Species Act," Selected Paper presented at 2007 American Agricultural Economics Association Annual Meeting, Portland, OR, August 2007, with Christian Langpap.

"Could Noah Do Better? Applying the Economics of Biodiversity to the Endangered Species Act," AERE session at Allied Social Science Association annual meetings, Boston, January 2006, with Christian Langpap.

“The Effects of Land Preservation on Migration Decisions and Economic Activity: The Case of the Northwest Forest Plan,” The Role of Open Space and Green Amenities in the Residential Move from Cities, Centre d’Economie et Sociologie, Dijon, France, December 2005 (with Andrew Plantinga and Gary Hunt).

“The Econometrics of the Endangered Species Act, Economics and Agricultural Economics Joint Seminar, University of Wyoming, October 2005, (with Christian Langpap).

“Assessing the Effectiveness of Spending on Species Recovery,” AERE sponsored session of the Southern Economic Association Annual Meetings, 2005, Washington, DC (with Christian Langpap).

“The Economic Impacts of Biodiversity Protection on Public Lands: The Case of the Northwest Forest Plan,” W-1133 Annual Conference on Natural Resource and Environmental Valuation, Salt Lake City, UT, February 2005.

“The Economic Impacts of Biodiversity Protection on Public Lands: The Case of the Northwest Forest Plan,” American Association of Agricultural Economics annual meeting, Denver, CO, August 2004.

“Legislative Mandates and Public Universities Choices of Undergraduate Acceptance and Retention Rates,” Public Choice Society Annual Meetings, Baltimore, MD, March 2004, with Clifford Nowell.

“Biological, Economic, and Managerial Determinants of Improved Viability of Endangered Species,” Economic Value of Environmental Resources Conference, California State University-Chico, Chico, CA, April 2003.

“Carbon Sequestration in Pacific Northwest Forests through Alternative Management Regimes,” W-133 Conference on Natural Resource and Environmental Valuation, Las Vegas, NV, February 2003.

“A Theory of Acceptance Rates and Retention Efforts by Universities,” Fifth Annual Economics in the Classroom Conference, Pocatello, Idaho, with Clifford Nowell.

“Success or Failure: Measuring the Effectiveness of the Endangered Species Act,” American Agricultural Economics Association, July 2002, Long Beach, CA, with Christian Langpap.

“Climate Change, Carbon Sequestration, and Forestry” Bridges Science Program, Dine’ College and New Mexico State University, Tsale, AZ, May 2001.

“Measuring the Marginal Cost of Carbon Sequestration for Different Management Regimes in the Pacific Northwest,” International Workshop and Symposium on Carbon Dynamics of Two Forest Regions: Pacific Northwest and Northwest Russia, Corvallis, OR, March 2001, with Olga Zyrina.

“Recent Empirical Research on Factors Affecting Academic Dishonesty,” INSIDE TEACHING Workshop, OregonStateUniversity, November 1999.

“Factors Affecting University Student Retention,” Economics and the Classroom Conference, IdahoStateUniversity, Pocatello, ID, March 1999, with C. Nowell.

“Addressing Negative Willingness to Pay in Dichotomous Choice Contingent Valuation: A Monte Carlo Approach,” Conference on Environmental and Natural Resource Economics, University of Oregon, Eugene, OR, April 1999.

“Carbon Dynamics in Forest Systems: Pacific Northwest US and NW Russia,” Land Cover/Land Use Change Research Reports, NASA, Arlee House, VA, April 1999.

“Cheating in the Classroom,” Economics and the Classroom First Annual Conference, IdahoStateUniversity, Pocatello, ID, March 1999.

“Comparing CV Responses with Voting Behavior,” Fourth Occasional Workshop on Environmental and Resource Economics, University of California at Santa Barbara, October 1998.

“Doing a Better Job of Teaching Principles of Microeconomics,” University Graduate Faculty of Economics, OregonStateUniversity, May 1997.

“What Can Instructors Do about Classroom Cheating?” College of Home Economics, OregonStateUniversity, May 1995.

"The Economic Value of a Predator: Greater Yellowstone Area Trout," presented at the Greater Yellowstone Predators Symposium, Mammoth Hot Springs, September 1995 (with C. Nowell).

"Experimental Evidence of Compliance Bias in the Contingent Valuation of a Public Good," presented at the Western Agricultural Economics Association annual meetings, Edmonton, Alberta, July 1992.

"Experimental Evidence of Compliance Bias in the Contingent Valuation of a Public Good," presented at the Workshop on Economic Valuation of Amenity Resources sponsored by the Danish Research Centre Program on Society, Economics, and the Environment, Vaelose, Copenhagen, Denmark, June 1993.

"Unions and Technology in U.S. Trucking, presented at a session by the Transportation and Public Utilities Group at the ASSA meetings, January 1993, with Starr McMullen.

"Whaling and Wages on Alaska's North Slope: A Time Allocation Approach to Natural Resource Use," presented at a session by the Association of Environmental and Resource Economists at the ASSA meetings, January 1993, with William Nebesky.



"Contract Duration and Transaction Specific Investments: Evidence from the Powder River Basin Coal Industry," presented at Western Economics Association annual meetings, Seattle, WA, July 1991.

"Budgets, Ballots, and Bureaucrats: An Empirical Study of Oregon School Finance," annual meetings of the Public Choice Society, New Orleans, March 1990 (presentation by Joe Stevens).

"Efficiency and Vertical Integration: The Case of Mine-Mouth Electric Generating Plants," to session sponsored by Transportation and Public Utilities Group and American Economic Association, annual meetings of the Allied Social Science Association, Washington, DC, December 1990.

"Efficiency and Vertical Integration: The Case of Mine-Mouth Electric Generating Plants," to Western Social Science Association, Portland, Oregon, April 1990.

"Spot Market Uncertainty, Self-Protection, and Long-Term Contracts: The Case of Steam Coal", presented to Eastern Economic Association, Boston, 1988 (with J. Shogren).

"Exhaustible Resource Theory as an Instrument of Public Policy", presented at session sponsored by Association of Environmental and Resource Economists and the American Economic Association, annual meetings of the Allied Social Science Association, Chicago, December 1987 (with F. Ward).

"The Revenue Maximizing Coal Severance Tax for New Mexico", New Mexico Energy and Minerals Department, Santa Fe, October 1987.

"Dual Measures of Monopoly and Monopsony Power: An Application to Regulated Electric Utilities", presented at the Western Economic Association International Conference, San Francisco, June 1986.

"Competition versus Regulation: The Role of Entry in Achieving Efficiency in the Electric Power Industry", presented at Issues Challenging the Regulatory Process Conference, Albuquerque, April 1986.

"Railroads and the Allocation of Rent in the Market for Low-Sulfur Coal", presented at the North American Meetings of the Regional Science Association, Denver, November 1984.

## GRANTS AND RESULTING PUBLICATIONS

Co-Principal Investigator, Burns Paiute Tribe, Feasibility Study and Business Plan for the Burns Paiute Tribe's Cattle Operation, with Kurt Peters, Laura Gow, and David Bohnert, 2003, \$18,794.

Major Investigator, National Commission on Science for Sustainable Forestry, 2002 Science Program, Survey the Lessons Learned about Managing Forests for Biodiversity and Sustainability Based on Practical Experiences, 2002-2003, with Principal Investigator Steve Radosevich,

\$227,261.

Co-Principal Investigator, Wyoming State Legislature, Energy and the Wyoming Economy: The Effects of Taxation and Environmental Regulation, 1999-2000, \$150,000, with Co-Principal Investigators: Shelby Gerking and William Morgan.

Principal Investigator, L.L. Steward Faculty Development Award, Improving the Teaching of Principles of Microeconomics, 1996, \$2500, *We Can Do a Better Job of Teaching Principles of Microeconomics*, Oregon State University mimeo.

Principal Investigator, Oregon State Department of Parks and Recreation, Customer Satisfaction and Price Sensitivity for ODPR Campgrounds: Public and Private Competition, 1997, \$23,394, with Lydia Newton, *Markets and Competition in Public and Private Campgrounds in Oregon*, final report to OPRD, 1998.

Co-Principal Investigator, NASA, Modeling Carbon Dynamics and Their Economic Implications in Two Forest Regions: Pacific Northwestern USA and Northwestern Russia, 1997-2000, \$580,000, with Co-Principal Investigators: M. Harmon, W. Cohen, P. Homann, O. Krankina, and D. Wallin. Published as *Forest Management, Economics, and Carbon Storage in the U.S. Pacific Northwest* in Carbon Dynamics in Two Forest Systems: U.S. Pacific Northwest and Northwest Russia (M. Harmon and O. Krankina, eds.) Springer Verlag (forthcoming), with Olga Zyrina.

Co-Principal Investigator, USDA NRI Competitive Grants, A Comparative Study of Food Processing Productivity in the US, Mexico, and Canada, 1996-97, \$50,000, with Co-Principal Investigator: Steve Buccola. Published as *Investment and Productivity in Canadian and U.S. Food Processing*, Canadian Journal of Agricultural Economics, with Connie Chan-Kang and Steve Buccola, Vol. 47, no. 2 (1999) pp. 105-118; "Productivity Growth and Environmental Regulations in Mexican and U.S. Food Processing," American J. of Agricultural Economics, forthcoming, with Ebru Alpay and Steve Buccola.

Co-Principal Investigator, Oregon State University Research Council, On the Validity of Dichotomous Choice Contingent Valuation: Evidence from an Oregon Referendum, 1996, \$8000, with Co-Principal Investigator: Steve Polasky. Published as *Comparing CV Responses with Voting Behavior: Open Space Survey and Referendum in Corvallis, Oregon*, Ninth Interim Report, W-133 Conference Proceedings, 1997, Western Regional Research Publications, with O. Gainutdinova and S. Polasky and "Externally Validating Contingent Valuation: An Open-Space Survey and Referendum in Corvallis, Oregon," J. of Economic Behavior and Organization," forthcoming, with O. Gainutdinova, S. Polasky and C. Vossler.

Principal Investigator, College of Liberal Arts, Oregon State University, How Robust Are Economic Efficiency Measures: Comparing the Results of Data Envelopment Analysis and Maximum Likelihood Estimation, 1992-93, \$2,900.

Co-Principal Investigator, College of Business, Oregon State University, How Robust Are Economic Efficiency Measures: Comparing the Results of Data Envelopment Analysis and

Maximum Likelihood Estimation, 1992-93, \$700, with Co-Principal Investigator: Ilene Kleinsorge.

Research Associate, TransNOW, U.S. Department of Transportation, "An Investigation of the Technological and Economic Factors Affecting the Future of Intermodal Transportation in the Pacific Northwest, 1990-91, \$5,000, total grant \$126,000, with Principal Investigator: B. Starr McMullen.

Principal Investigator, Oregon State University Library Travel Research Grant, "The Effects of Environmental Regulation on Coal Procurement Strategies," 1990, \$850. Published as *The Impacts of Environmental Regulation on Coal Procurement Strategies: Design Coal and Multi-Attributed Quality*, Journal of Environmental Management, Vol. 25 (Summer 1992), with Jason F. Shogren.

Co-Principal Investigator, WesternRuralDevelopmentCenter, Aspects of School Budget Elections in Oregon, October 1989, Oregon's School Budget Elections: Reading the Tea Leaves, 1981-1986, published by WesternRuralDevelopmentCenter, with Co-Principal Investigators: Joe B. Stevens and Robert Mason, \$12,000.

Principal Investigator, New Mexico State University, College of Business Research Grant, Spot Market Uncertainty, State-Protection, and Long-Term Contracts: The Case of Steam Coal, 1988, \$1000. Published as *Innovative Upstream Investments and Input Supply Contracts*, in Advances in the Study of Entrepreneurship, Innovation, and Economic Growth (G.Leibcap, ed.) Stanford, CT: JAI Press (2001), with Jason F. Shogren.

New MexicoStateUniversity, College of Business Research Grant, Resource Depletion Theory as an Energy Policy Instrument, Departmental Staff Report #50, New Mexico State University, Department of Agricultural Economics and Agricultural Business, December 1987, with Frank A. Ward, \$5,000. Published as *Quantifying Exhaustible Resource Theory: An Application to Mineral Taxation Policy*, Resources and Energy Economics, June 1993.

Co-Principal Investigator, Industrial Fund Grant #76784, The Welfare Effects of Railroad Deregulation, The Staggers Act and Competition in Rail Transport of Wyoming Coal, Office of Research and Graduate Studies, University of Wyoming, 1986, \$10,000, with Co-Principal Investigator: Scott E. Atkinson.

Industrial Fund Grant #75383, Fuel Substitution and Transportation Costs in the Low-Sulfur Steam Coal Market, Falling World Oil Prices and the Role of Railroads in the Market for Wyoming Coal, Office of Research and Graduate Studies, University of Wyoming, 1984, with Scott E. Atkinson, \$10,000. Published as *Dual Measures of Monopoly and Monopsony Power: An Application to Regulated Electric Utilities*, Review of Economics and Statistics, May 1989.

Research Assistant, Industrial Fund Grant #74182, Current Issues in the Market for Wyoming Steam Coal, Transportation Charges, Production Taxes, and Scrubber Legislation: Consequences for the Wyoming Coal Market, Office of Research and Graduate Studies,

University of Wyoming, 1983, \$10,000, with Principal Investigator: Scott E. Atkinson.

## UNIVERSITY SERVICE

1988-89

Member, College of Liberal Arts Research Committee.

Member, Economics Department Faculty Search Committee.

1989-90

Member, College of Liberal Arts Research Committee.

Member, Economics Department, Chair Search Committee.

Member, Economics Department, Faculty Search Committee.

1990-91

Member, Economics Department Faculty Search Committee.

1991-92

Chair, Economics Department Faculty Search Committee.

Co-Chair, Economics Department Seminar Series Committee.

1992-93

Member, College of Liberal Arts Computer Committee.

Member, Economics Department Seminar Series Committee.

Member, OSU Faculty Senate Academic Requirements Committee.

1993-94

Member, Economics Department Faculty Search Committee.

Member, OSU Faculty Senate Academic Requirements Committee.

1994-95

Economics Department representative, University Graduate Faculty of Economics Steering Committee.

Member, OSU Faculty Senate Academic Requirements Committee.

1996-97

Economics Department representative, University Graduate Faculty of Economics Steering Committee.

Member, Economics Department Seminar Series Committee.

Member, OSU Faculty Senate Academic Regulations Committee.

1997-98

Member, Economics Department Undergraduate Committee.

Member, OSU Faculty Senate Academic Regulations Committee.

1998-99

Member, OSU Faculty Senate Academic Regulations Committee.  
Member, Economics Department Undergraduate Committee.

1998-99

Member, OSU Faculty Senate Academic Regulations Committee.  
Member, Economics Department Undergraduate Committee.

1999-2000

Chair, OSU Faculty Senate Academic Regulations Committee.  
Member, Economics Department Undergraduate Committee.

2000-2001

Chair, OSU Faculty Senate Academic Regulations Committee.  
Member, Economics Department Undergraduate Committee.

2001-2002

Chair, OSU Faculty Senate Academic Regulations Committee.  
Member, Economics Department Undergraduate Committee.

2002-2003

Member, OSU Faculty Senate Baccalaureate Core Committee.  
Chair, Economics Department tenure track hiring committee for econometrics.  
Member, Sustainable Forestry Partnership.

2005-2006

Member, OSU Faculty Senate Library Committee  
Member, OSU General Research Council

#### OTHER PROFESSIONAL ACTIVITIES

Writing team participant for:

EPA RFA: [Effects Of Climate Change On Ecosystem Services Provided By Coral Reefs And Tidal Marshes](http://es.epa.gov/ncer/rfa/2004/2004_climate_change.html) [http://es.epa.gov/ncer/rfa/2004/2004\\_climate\\_change.html](http://es.epa.gov/ncer/rfa/2004/2004_climate_change.html) (last accessed: 2/20/2004)

Review Team member for Board of Regents Review of Economics Department, WeberStateUniversity, Ogden, Utah, March 2007.

Reviewer for (years):

American Economic Review (2006)

American J. of Agricultural Economics (1991,92,93,94,2005)

Conservation Biology (2005)

Ecological Economics (1993,95,95,96,97,98,99, 2000, 2001, 2001, 2001, 2004, 2005,2005)

Economic J. (1990,93)

Economics of Education Review (2005, 2005)

Energy J. (1994,96)  
Environment and Development Economics (2005, 2005)  
J. of Economic Surveys (2006)  
J. of Environmental Economics and Management(1989,93,97,99,2000, 2004)  
J. of Industrial Economics (1991,93)  
J. of Financial and Quantitative Analysis, (1993,97)  
J. of Economic Education (1994,95,95,99,2000,2001,2001, 2001,2001,2002, 2003, 2003, 2004)  
J. of Ag. and Resource Economics (2001)  
J. of Law, Economics, and Organization (2007)  
Land Economics (2005, 2006, 2007 (4), 2008 (3), 2009 (4), 2010, 2011 (2), 2012 (2))  
Perspectives on Economic Education Review (2005, 2005, 2006, 2006,2006)  
Rand J. of Economics (1994)  
Review of Economics and Statistics (1991,1993)  
Resource and Energy Economics (1995)  
Southern Economic J. (2001)  
Water Resources Research (1992)  
Western J. of Agricultural Economics (1990)  
Fund for the Improvement of Post Secondary Education (1999)  
Transnow (1998, 1999)  
John Templeton Foundation (2002)  
U.S. Department of Energy SBIR/STTR PHASE I GRANT Applications (2003)  
National Science Foundation (2005)

Associate Editor, Perspectives on Economics Education Research, 2003-2007.

## TEACHING

1985-88, Courses Taught at New Mexico State University.

Principles of Microeconomics  
Intermediate Microeconomic Theory  
Managerial Economics  
Money and Banking  
Mathematical Economics (Masters Level)  
Microeconomic Theory (Masters Level)  
Econometrics (Masters Level)

1988-2005, Courses Taught at Oregon State University.

Microeconomic Principles  
Environmental Economics and Policy  
Introduction to Econometrics  
Optimization Economics (Masters)  
Econometric Methods (Masters)  
Applied Econometrics (Masters)  
Advanced Econometrics (Ph.D.)

Applied Microeconometrics (Ph.D.)

2001, Courses Taught at Dine' College.

Microeconomic Principles  
Introduction to Economics  
Introduction to Statistics  
Research Methods for the Social Sciences

2006-present, Courses Taught at Oregon State University,  
Sustainable Natural Resource Economics

Curriculum Development and Other Instructional Activities.

1988-89

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

1989-90

Developed and taught Economics 521, Optimization Economics, the first course in the microeconomic theory core of the Graduate Faculty of Economics.

Developed and taught Economics 466/566, Econometric Methods, the first course in the quantitative methods core of the Graduate Faculty of Economics.

Member, Graduate Faculty of Economics Graduate Core Committee on student recruitment.

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

1990-91

Member, Graduate Faculty of Economics Core Committee to investigate the mathematical statistics requirement for the Graduate Faculty of Economics.

Member, Graduate Faculty of Economics Core Committee to evaluate the quantitative methods requirements and course content of the econometrics core courses for the Graduate Faculty of Economics.

Chair, Quantitative Examination Committee, Graduate Faculty of Economics.

1991-92

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

Member, Graduate Faculty of Economics Core Committee to review quantitative requirements.

1992-93

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

Member, Graduate Faculty of Economics Core Committee to review quantitative requirements.

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

1993-94

Chair, Quantitative Examination Committee, Graduate Faculty of Economics.

1994-95

Chair, Quantitative Examination Committee, Graduate Faculty of Economics.

1996-97

Developed and taught Environmental Economics and Policy, an undergraduate course emphasizing the link between economics, science, and policy.

1998-99

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

1999-2000

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

2000-2001

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

2001-2002

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

2002-2003

Member, Quantitative Examination Committee, Graduate Faculty of Economics.

#### UNDERGRADUATE ADVISING

1988-89

Advisor to OSU Chapter of Omicron Delta Epsilon, National Economics Honor Society, and Economics Club.

1991-92

Advisor for 35 undergraduates.

1992-93

Advisor of 32 undergraduates.

1993-94

Advisor of 27 undergraduates.

1994-95



Advisor of 31 undergraduates.

1996-97

Advisor of 22 undergraduates.

1997-98

Advisor of 30 undergraduates.

1998-99

Advisor for 26 undergraduates.

1999-2000

Advisor for 34 undergraduates

Mentor for Jeff Morgan's Senior Honors, Thesis title: Fly fishing the Oregon Cascades.

2000-01

Advisor for 29 undergraduates

#### GRADUATE ADVISING

1986-88

Committee member for four completed Masters of Economics, New Mexico State University.

1989-90

Economics Department Director of Graduate Studies.

Member, Marcus Hartley (Agricultural and Resource Economics), Thesis title: An Evaluation of Input Purchasing Behavior at Farm Supply Cooperatives, MS received 1990.

1990-91

Economics Department Director of Graduate Studies.

Committee Member, Hiroshi Tanaka (Economics), Thesis Title: Testing for Structural Differences in General Commodity Motor Carriage, MS received 1990.

Committee Member, Takamasa Okutsu (Agricultural and Resource Economics), Thesis title: Food Demand during the State of Rapid Economic Development: The Cases of Japan, Korea, and Taiwan, MS received 1991.

1991-93

Member, Bob Berrens (Agricultural and Resource Economics). Dissertation Title: The Accuracy, Applicability, and Transferability of Contingent Valuation Measures for Nonmarket Goods, Ph.D. received 1993.

Member, Sauwaluck Pakotiprapha (Economics), Dissertation Title: Explaining Divergence in Service Prices in Developing Countries, Ph.D. received 1993.

1993-94

Chair, William Nebesky (Economics), Dissertation Title: Topics in Applied Microeconomics: Time Allocation and Natural Resource Use on Alaska's North Slope; and Market Power in the U.S. Motor Carrier Industry, Ph.D. received 1994.

Chair, Chuck Sigmund (Economics), Thesis Title: Factors Related to Academic Dishonesty Among Oregon Undergraduates: An Application of the Randomized Response Survey Technique, MS received 1994.

1995-96

Chair, Salvador Garcia-Martinez (Economics), Thesis Title: Demand and Profitability for Albacore Products: A Multi-Attribute Analysis, MS received 1996.

Member, Masters Committee for Brent Mehan (Agricultural and Resource Economics), Thesis Title: The Value of Urban Wetlands: A Hedonic Approach, MS received 1996.

1996-97

Chair, Scott Lowe (Economics), Thesis Title: Recreational Demand for Fishing in The Yellowstone National Park Area: A Travel Cost Model, MS received 1997.

Chair, Brian Rooney (Economics), Thesis Title: Valuing Snake River Salmon: A Test of Contingent Value Survey Methods, MS received 1997.

Member, Deana Grobe (Home Economics), Dissertation Title: Consumers' Perceptions of Risk: The Case of Food-Related Biotechnology, Recombinant Bovine Growth Hormone, Ph.D. received 1997.

Member, Connie Chan-Kang (Agricultural and Resource Economics), Thesis Title: R and D Investment and Productivity in the US and Canadian Food Processing Sectors, MS received 1997.

Chair, Lydia Newton (Economics and Agricultural and Resource Economics), Thesis Title: Public versus Private Competition in the Oregon Campground Market, MAIS received 1998.

1998-99

Chair, Ebru Alpay (Economics), Thesis Title: The Comparison of Productivity Growth in the U.S. and Mexican Food Processing Sectors, MS received 1998.

Member, Randall Snedinger (Forest Resources), Thesis Title: The Opportunity Cost of Stream Set-Aside Regulations in Oregon Forests, MS received 1999.

Member, Valentin Zelenluk (Economics), Thesis Title: New Non-Parametric Efficiency Measures: an application to the U.S. Brewing Industry, MS received 2000.

Member, Yin Xia (Agricultural and Resource Economics), Thesis Title: Technology Structure

and Productivity Change in the Meat Processing Industries, MS received 1999.

2000-2001

Member, David Calkin (Forest Resources), Dissertation Title: Land Management with Ecological and Economic Objectives: Developing a Production Possibility Set of Wildlife Persistence and Timber Harvest Using Simulated Annealing, Ph.D. received 2000.

Member, Brian Garber-Yontz (Forest Resources), Dissertation Title: Choice Experiments in the Valuation of Landscape Management Regimes in the Oregon Coast Range, Ph.D. received 2001.

Chair, Olga Zyrina (Forest Resources), Thesis Title: Measuring the Cost of Carbon Sequestration Using Various Forest Management Regimes, MS received 2000.

2001-2002

Chair, Valentine Panchenko (Economics), Thesis Title: Measuring the Costs of Carbon Sequestration in Northwest Russia, MS received 2002.

2004-2005,

Chair, Kweku Wilson (Economics, Business, and Political Science), Thesis Title: The Underlying Differences in Greenhouse Gases Emissions Control and Renewable Energy: Three European Countries' Approaches to Policy, MAIS received 2004.

2004-2005,

Chair, Setenik Hackenbruck (Economics), Thesis Title: How Environmental Regulations Affect the Productivity of the U.S. and Mexican Iron and Steel and Aluminum Industries, MS received 2005.

2005-2006

Member, Henry Eichman (AREC), Thesis Title: Northwest Forest Plan Effects on County Net Migration and Employment Growth, MS received 2006.

2006-2007

Member, Christine Broniak (AREC), Thesis Title: Land Use and Land-Use Change in the Rocky Mountain West, MS received 2007.

## EMPLOYMENT

2006-present      Senior Resource and Environmental Economist, The Wilderness Society, Bozeman, Montana and Seattle, Washington.

2005-2006      Professor of Economics, Oregon State University

2005-Spring      Visiting Professor, Utah Institute of Science and Technology, Shanghai Normal University, Shanghai, Peoples Republic of China.

2004-present      Professor of Economics, Oregon State University.

- 2003-2004 Science and Technology Fellow, American Association for the Advancement of Science, Washington, DC .
- 2002-present Professor of Economics, Oregon State University.
- Spring 2001 Instructor of Economics, Division of Social and Behavior Sciences, Dine' College.
- 1996-2002 Associate Professor of Economics, Oregon State University.
- 1995-96 Sabbatical leave from Oregon State University. Visiting Associate Professor, University of New Mexico.
- 1992-1995 Associate Professor of Economics, Oregon State University.
- 1988-1992 Assistant Professor of Economics, Oregon State University.
- summer 1988/  
summer 1989 Assistant Professor, Executive Masters Program, Center for Public Utilities, New MexicoState University.
- 1985 - 1988 Assistant Professor of Economics (tenure track), New MexicoStateUniversity.
- 1982 - 1985 Graduate Research Assistant, various aspects of the Wyoming coal market, with Scott E. Atkinson, University of Wyoming.
- 1981 Undergraduate Research Assistant, residential retrofit technology, with John Duffield, University of Montana.

#### NON-ACADEMIC EMPLOYMENT

- 1968 - 1981 Logging contractor, engaged in commercial timber harvests and timber stand improvement in Western Montana.
- 1980 - 1981 Vice-Chairman, Missoula City-County Planning Board, Missoula, Montana.
- 1979 - 1981 City council member, Missoula City-County Planning Board, Missoula, Montana.

#### PROFESSIONAL AFFILIATIONS

American Economic Association  
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