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March 2020

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(these links provide access to many of my published and unpublished papers)

ACADEMIC TRAINING:

Ph.D. Economics, Northwestern University 1973

M.A. Economics, Northwestern University 1971

A.B. Economics, Indiana University 1968

FIELDS OF SPECIALIZATION:

Environmental Economics, Urban and Regional Economics, Monetary Economics, and Applied Price Theory.

EMPLOYMENT

1985-present Professor of Economics, University of Colorado

1987-1988 Visiting Professor, Graduate School of Management, University of California, Davis, Winter and Spring Quarters

1978-1985 Associate Professor of Economics, University of Colorado

1982 Visiting Associate Professor, U.C.L.A. Winter and Spring Quarter

1981-1982 Visiting Professor of Economics, Pepperdine University

1979 Scientific Visitor, National Center for Atmospheric Research; Summer

1979-1987 Faculty, Economics Institute, Summers

1977-1978 Visiting Assistant Professor of Business Economics, University of Chicago, Graduate School of Business

1974-1978 Research Project Specialist, University of Chicago, Department of Economics

1975-1977 Part-time Faculty, Roosevelt University, Department of Economics

1971-1974 Assistant Professor of Economics, Arizona State University, Department of Economics

TEACHING EXPERIENCE

Principles of Microeconomics

Principles of Macroeconomics

Intermediate Microeconomics

Intermediate Macroeconomics

Introductory Mathematical Economics

Money and Banking

Graduate Microeconomic Theory

Graduate Macroeconomic Theory

Environmental Economics

Environmental Economics for Non-Economics Majors
 Problems of the Urban Community
 Economics of the Urban Environment
 Graduate Seminar in Urban and Regional Economics
 Topics in Urban and Regional Economics (Graduate)
 Graduate Environmental Economics and Natural Resources
 M.A. Research Methods

HONORS

National Science Foundation Traineeship, 1968-1971; Departmental Honors and Distinction, Indiana University; Phi Beta Kappa; Merit Scholarship; Little 500 Scholarship (for students working more than 20 hours per week); Distinguished Speaker at the 14th Annual Kentucky Economic Association Meetings; Nominated for SOAR (Student Organization for Alumni Relations) 1992, 1997, 1998 Teacher Recognition Award; University of Colorado, 1992 Social Science Writing Award (Best Article category); Stanford Calderwood Teaching Excellence Award 1997, Residence Life Academic Teaching Award, Fall 2002.

PUBLICATIONS

Books

1. Urban Growth Policy in a Market Economy. New York: Academic Press, 1979, 220 pp. (with G.S. Tolley and J.L. Gardner).
2. Environmental Policy: Elements of Environmental Analysis. Cambridge: Ballinger, 1981, 203 pp. (with G.S. Tolley and G.C. Blomquist, co-editors and Co-authors).
3. Environmental Policy: Air Quality. Cambridge: Ballinger, 1982, 432 pp. (with G.S. Tolley and A.S. Cohen).
4. Health and Air Quality: Evaluating the Effects of Policy. Washington: American Enterprise Institute Studies in Economic Policy, AEI, 1981, 163 pp. (with R.J. Krumm).
5. The Economics of Environmental Quality. New York: W.W. Norton & Co., 2nd Edition, 1986, 368 pp. (with E.S. Mills).
6. Intermediate Microeconomics. New York: Harcourt, Brace, and Jovanovich, 1988, 519 pp. (with R. Clower and R.L. Sexton).
7. Environmental Economics: A Critique of Benefit-Cost Analysis. New York: Rowman & Littlefield, 2007, 187pp.
8. Environmental Economics: An Integrated Approach. Boca Raton/London/New York: CRC Press, Taylor & Francis Group, 2014, 264 pp.
9. I Don't Know. (non-fiction novel dealing with economics, politics, and philosophy, in progress).

Journal Articles (links provided to some papers):

1. "Domestic and International Policy Implications of the Inflation-Unemployment Trade-off." Akron Business and Economic Review, Vol. 5, No. 2 (Summer, 1974), pp. 9-14 (with T. Sandler).
2. "A Reexamination of Migration, Economic Opportunity, and the Quality of Life." Journal of Regional Science, Vol. 16, No. 1 (March 1976), pp. 107-112.
3. "Wealth and the Cash Asset Proportion." Journal of Money, Credit and Banking, Vol. VIII, No. 4 (November 1976), pp. 487-496.

4. "Air Quality Maintenance: Proposed Legislation and Analytical Issues." [Journal of Environmental Systems](#), Vol. 7, No. 1 (1977-1978), pp. 45-58 (with D. Santini).
5. "New Evidence on Income and the Velocity of Money." [Economic Inquiry](#), Vol. XVI, No. 1 (January 1978), pp. 53-68.
6. "Air Pollution and Morbidity: SO₂ Damages." [Journal of the Air Pollution Control Association](#), Vol. 28, No. 8 (August 1978), pp. 785-789 (with G. Fishelson).
7. "The Urban Growth Question." [Law and Contemporary Problems](#), Vol. 43, No. 2 (Spring, 1979), pp. 211-238 (with G.S. Tolley and J.L. Gardner).
8. "A Life-Cycle Empirical Analysis of Migration and Climate, by Race." [Journal of Urban Economics](#), Vol. 6, No. 2 (April 1979), pp. 135-147.
9. "Over-Urbanization and Its Relation to Economic Growth for Less Developed Countries." [Economic Forum](#), Vol. X, No. 1 (Summer, 1979), pp. 95-100 (with R.L. Sexton).
Reprinted in [Urban Development in the Third World](#), Pradip K. Ghosh (Ed), Westport, Conn: Greenwood Press, 1984, pp. 160-166.
10. "Relative Risk Aversion: Increasing or Decreasing?" [Journal of Financial and Quantitative Analysis](#), Vol. XIV, No. 2 (June 1979), pp. 205-214.
11. "Household Migration: Theoretical and Empirical Results." [Journal of Urban Economics](#), Vol. 6, No. 3 (July 1979), pp. 383-404 (with P. Linneman).
12. "Income and Migration Reconsidered." [Journal of Human Resources](#), Vol. XIV, No. 1 (Winter, 1979), pp. 112-119.
13. "Benefits of Pollution Control: The SO₂ Case." [Journal of Environmental Systems](#), Vol. 9, No. 3 (1979-1980), pp. 231-257 (with G. Fishelson).
14. "Migration and Climate." [Journal of Regional Science](#), Vol. 20, No. 2 (May 1980), pp. 227-237.
15. "The Velocity of Money: Evidence for the U.K. 1911-1966." [Economic Inquiry](#), Vol. XVIII, No. 4 (October 1980), pp. 631-639.
16. "Morbidity and Pollution." [Journal of Environmental Economics and Management](#), Vol. 9, No. 4 (December 1982), pp. 311-327 (with R.J. Krumm).
17. "Economics Departmental Rankings: Research Incentives, Constraints and Efficiency." [American Economic Review](#), Vol. 72, No. 5 (December 1982), pp. 1131-1141 (with J. Marchand and R. Thompson).
18. "Slavery, Amenities and Factor Price Equalization: A Note on Migration and Freedom." [Explorations in Economic History](#), Vol. 20 (April 1983), pp. 156-162 (with R.L. Sexton and R.K. Vedder).
19. "Migration and Job Change: A Multinomial Logit Approach." [Journal of Urban Economics](#), Vol. 14, No. 3 (November, 1983), pp. 263-279 (with P. Linneman).
20. "Migration with a Composite Amenity: The Role of Rents." [Journal of Regional Science](#), Vol. 23, No. 4 (November, 1983), pp. 541-546.
21. "A Multi-Disciplinary Interpretation of Migration: Amenity Capitalization in Both Land and Labor Markets." [The Annals of Regional Science](#), Vol. 18, No. 2 (July 1984), pp. 35-44 (with R.L. Sexton and T.A. Knapp).

22. "Economics Departmental Rankings: Reply and Errata." [American Economic Review](#), Vol. 74, No. 4 (September 1984), pp. 834-836 (with J. Marchand and R. Thompson).
23. "A Theory of International Migration Flows: U.S. Immigration from Mexico." [Review of Regional Studies](#), Vol. 14, No. 1 (Winter 1984) pp. 1-7 (with T.A. Knapp).
24. "Are Natural Hazards Temporally Random?" [Applied Geography](#), Vol. 5, No. 1, (January 1985), pp. 5-12 (with Anne Bresnock).
25. "Hedonic Analysis in a Spatial Context: Theoretical Problems in Valuing Location-Specific Amenities." [Economic Record](#), Vol. 61, No. 175 (December 1985), pp. 737-743 (with T.A. Knapp).
26. "Demonstrating Their Freedom: The Post-Emancipation Migration of Black Americans." [Research in Economic History](#), Vol. 10 JAI Press, Inc.: Greenwich, Connecticut, pp. 207-233, 1986, (with R. Vedder, L. Galloway and R. Sexton).
27. "Development, Mobility, and Slavery: Real Income and Spatial Equilibration in the Postbellum South." [American Economist](#), Vol. XXX, No. 1 (Spring 1986), pp. 36-39, (with R. Sexton).
28. "A Note on Interfirm Implications of Wages and Status." [Journal of Labor Research](#), Vol. 8, No. 2 (Spring 1987), pp. 209-212, (with D. Lee and R. Sexton).
29. "An Organizational Alternative for Academics: A Sporting Proposal." [Atlantic Economic Journal](#), Vol. XV, (March 1987), pp. 63-66, (with M. Schmitz, R. Sexton and D. Lee).
30. "The Income Elasticity of Money Demand in Less Developed Open Economies." [Journal of the Southwestern Society of Economists](#), Vol. 15, No. 1 (1988), pp. 165-71 (with J. Marchand).
31. "Mobility Behavior of the Elderly." [Journal of Urban Economics](#), Vol. 24, No. 1 (March 1988), pp. 1-8 (with T.A. Knapp).
32. "The Robustness of Hedonic Price Estimation: Urban Air Quality." [Land Economics](#), Vol. 63, No. 3 (August 1988), pp. 220-233 (with J. Murdock, M. Thayer, and D. Waldman).
Reprinted in Joseph Herriges and Cathy Kling (eds) [Revealed Preference Approaches to Environmental Valuation: Volume II](#) (in Ashgate Publishing Company's The International Library of Environmental Economics and Policy, July 2008).
33. "On Mandatory Deposits, Fines, and the Control of Litter." [The Natural Resources Journal](#), Vol. 28, No. 4 (Fall 1988), pp. 837-847 (with D. Lee and R. Sexton).
34. "On the Role of Amenities in Models of Migration and Regional Development." [Journal of Regional Science](#), Vol. 29, No. 1 (February 1989), pp. 71-87 (with T.A. Knapp).
35. "Multiple Choice Testing: Questions and Response Position." [The Journal of Economic Education](#), Vol. 20, No. 3 (Summer 1989) pp. 239-245 (with A. Bresnock and N. White).
36. "International Student Demand for Higher Education in the U.S." [Research in Higher Education](#), Vol. 30 (September 1989) (with R.L. Wobbekind).
37. "Statutes Versus Enforcement: The Case of the Optimal Speed Limit." [American Economic Review](#), Vol. 79, No. 4 (September 1989) pp. 932-936 (with D. Lee and R. Sexton).
38. "A Note on Drinking, Driving, and Enforcement Costs." [Southern Economic Journal](#), Vol. 56, No. 3 (January 1990) pp. 793-796 (with D. Lee and R. Sexton).

39. "Monopoly Supply." [Atlantic Economic Journal](#), Vol. 18, No. 4 (December 1990) pp. 32-37 (with G. Kripalani, R. Sexton, and G. Tolley).
40. "Alcohol in the Workplace: A Research Note." [Journal of Labor Research](#), Vol. XII, No. 1 (Winter 1991) pp. 91-94 (with D. Lee and R. Sexton).
41. "Multimarket Amenity Compensation and the Behavior of the Elderly," [American Economic Review](#), Vol. 81, No. 5 (December 1991) pp. 1374-1381 (with D. Waldman).
42. "Controlling the Abandonment of Automobiles: Mandatory Deposits vs. Fines." [Journal of Urban Economics](#), Vol. 31, No. 1 (January 1992), pp. 14-24 (with D. Lee and R. Sexton).
43. "Incorporating Inventories into Supply and Demand Analysis," [Atlantic Economic Journal](#), Vol. 20, No. 4 (December 1992), pp. 41-45 (with R. Sexton, R. Clower, D. Lee).
44. "Lowering Blood Alcohol on Our Waterways: Means and Costs," [American Journal of Economics and Sociology](#), Vol. 52, No. 1 (January 1993), pp. 101-106 (with D. Lee and R. Sexton).
45. "The Role of Equilibrium and Disequilibrium in Modeling Regional Growth and Decline: A Critical Reassessment," [Journal of Regional Science](#), Vol. 33, No. 1 (February 1993), pp. 69-84 (with Peter Mueser).
46. "Speed Variance, Enforcement, and the Optimal Speed Limit," [Economics Letters](#), Vol. 42 (1993), pp. 237-43 (with D. Lee and R. Sexton).
47. "The Short and Long Run Marginal Cost Curves: A Pedagogical Note," [Journal of Economic Education](#), Vol. 24, No. 1 (Winter 1993), pp. 34-37 (with D. Lee and R. Sexton).
48. "Lowering the Age Requirement for Adult Courts: An Analytical Framework," [Atlantic Economic Journal](#), Vol. 21, No. 4 (December 1993) pp. 67-70 (with R. Sexton, D. Lee).
49. "Alternative Fishery Management Policies: Monitoring Costs Versus Catch Limits," [Environmental and Resource Economics](#), Vol. 4, (1994) pp. 595-598 (with R. Sexton, D. Lee, S. Jackstadt).
50. "Examining the Role of Economic Opportunity and Amenities in Explaining Population Redistribution," [Journal of Urban Economics](#), Vol. 37, No. 1 (February 1995) pp. 1-25 (with P. Mueser).
51. "Union Myopia and the Taxation of Capital," [Journal of Social, Political & Economic Studies](#), Vol. 20, No. 3 (Fall 1995), pp. 299-315 (with D. Lee, R. Sexton).
52. "Korean Exports and Economic Growth: An Econometric Reassessment," [Journal of Economic Development](#), Vol 20, No. 2 (Fall 1995), pp. (with J.A. Holman).
53. "Slope Versus Elasticity and the Burden of Taxation," [Journal of Economic Education](#), Volume 27, No. 3 (Summer, 1996), pp. 229-232 (with R. Sexton, D. Lee).
54. "Amenities and Fringe Benefits: Omitted Variable Bias," [The American Journal of Economics and Sociology](#), Vol. 58, No. 3 (July, 1999), pp. 399-404 (with R. Sexton, M. Arthur).
55. "Amenities and the Labor Earnings Function," [Journal of Labor Research](#), Vol. XX, No. 3 (Summer 1999), pp. 367-376 (with R. Sexton, M. Arthur).
56. "Hedonic Wage Equations for Higher Education Faculty," [Economics of Education Review](#) Vol. 21, Issue 5 (October 2002), pp. 491-496 (with R. Sexton and J. Marchand).
57. "Implications of Consumer Heterogeneity in Time-Series Estimates of US Money Demand," [Applied Economics](#), Vol 34, No. 5 (March, 2002), pp. 659 - 665 (with J. A. Holman).

58. "The Bias Against New Innovations in Health Care: A Model of Willingness-to-Pay," [Value in Health](#), Vol. 5, No. 2 (2002), pp. 67-70 (with J. Dow, P. Mueser, and S. Walton).
59. "Monitoring Costs and Tougher Sanctions: The Case of Classroom Cheating," [The American Journal of Economics and Sociology](#), Vol. 62, No. 4 (October, 2003), pp. (with G. Galles, R. Sexton, and S. Walton).
60. "Nonoptimal Levels of Suburbanization" [Environment and Planning A](#), Vol. 35, No. 2 (February, 2003), pp. 191-198.
61. "Environmental Perceptions and Environmental Reality: When More Is Less," [Environment and Planning, A](#), (Commentary section) Vol. 35, No. 6 (June, 2003), pp. 951-954.
62. "Valuing Public Goods," [Challenge: The Magazine of Economic Affairs](#), Vol. 46, No. 5 (September-October 2003), pp.100-112.
63. "Reforming Governments," [Ama-gi: The Journal of the Hayak Society at the London School of Economics](#), Vol. 6, No. 1 (Lent Term, 2004), pp. 18-20.
64. "Real Government Reform," [Journal of Private Enterprise](#), Vo. XIX, No. 2 (Spring 2004). pp. 43-60. (a variant of this paper with more connections to the literature can be found at: Graves, Philip E., 2007. "[A Simple Coase-Like Mechanism that Transfers Control of Government Spending Levels from Politicians to Voters](#)," [Economics Discussion Papers](#) 2007-12, Kiel Institute for the World Economy or at: Philip E. Graves (2007). A Simple Coase-Like Mechanism that Transfers Control of Government Spending Levels from Politicians to Voters. [Economics Discussion Papers](#), No 2007-12. <http://www.economics-ejournal.org/economics/discussionpapers/2007-12>). See also [SSRN](#) for latest variant.
65. "New Entry and the Rate of Return to Education: The Case of Registered Nurses," [Atlantic Economic Journal](#), Vol. 33 (September 2005), pp. 325-336 (with R. Sexton and S. Walton).
66. "Demand and Supply Curves: Rotations Versus Shifts," [Atlantic Economic Journal](#), Vol. 34, No. 3 (September 2006), pp. 361-364 (with R. Sexton).
67. "The Economics of Ghost Towns," [Journal of Regional Analysis and Policy](#), Vol. 39, no.2 (2009) pp.131-40 (with E. Tynon and S. Weiler).
68. "Optimal Public Goods Provision: Implications of Endogenizing the Labor/Leisure Choice," [Land Economics](#), Vol. 84, No. 4 (2008) pp. 701-707 (with N. Flores).
69. "A Note on the Valuation of Collective Goods: Overlooked Input Market Free Riding for Non-Individually Incrementable Goods," [The B.E. Journal of Economic Analysis and Policy](#), Vol. 9 : Iss. 1 (Topics) Article 5 (2009).
70. "Cross-Price Elasticity and Income Elasticity of Demand: Are Your Students Confused?" [The American Economist](#), Vol. 54, no. 2 (Fall, 2009), pp. 107-110.
71. "A Scientific Rationale for Belief in God," [Journal for Interdisciplinary Research on Religion and Science](#), No 5, July, 2009.
72. "A Note on the Design of Experiments Involving Public Goods," [Environmental Economics](#) Vol. 1, no. 2 (2010), pp 8-10.
73. "Economic Growth and Business Cycles: The Labor Supply Decision with Two Types of Technological Progress," [Modern Economy](#) Vol. 2, no. 3, pp. 301-307 (July 2011).
74. "Appropriate Fiscal Policy over the Business Cycle: Proper Stimulus Policies Can Work" [The IUP Journal of Governance and Public Policy](#) Vol. VI, no. 2, (June 2011) pp. 26-32, 2011.

75. "The Educational Choice Anomaly for Principles Students: Using Ordinary Supply and Demand Rather than Indifference Curves," [The Journal of Economic Education](#), Vol. 42, no. 3, (July 2011) pp. 310-314 (with R. Sexton, L. Calimeris).
76. "An Implementable Institutional Reform that Transfers Control of Governmental Spending Levels from Politicians to Voters," [The IUP Journal of Governance and Public Policy](#) Vol. VI, no. 4, (December 2011), 14 p.
77. "Linking Regional Science and Urban Economics: Long-Run Interactions Among Preferences for Amenities and Public Goods," [Modern Economy](#), Vol 3, no. 3 (May 2012), pp 253-262.
78. "Benefit-Cost Analysis of Environmental Projects: A Plethora of Biases Understating Net Benefits," [Journal of Benefit-Cost Analysis](#) manuscript 1041, August 2012.
79. "Productive Complements: Too Often Neglected in the Principles Course?," [Journal of Economics and Finance Education](#) Vol 13, no. 2 (Winter 2014) pp. 81-89 (with G. Galles, R. Sexton).
80. "A Note on Monitoring Costs and Voter Fraud," [The American Economist](#), Vol LIX, no. 2 (Fall, 2014) (with G. Galles, R. Sexton).
81. "Global Climate Policy Will Have Net Benefits Larger Than Anyone Thinks (and Welfare Gains, Strangely, Are Likely To Be Much Larger Yet)" [Ecological Economics](#) Vol 136 (2017) 73–76.
82. "Optimal Public Policy Against Identity Theft," [The American Economist](#), Vol 62, issue 2 (October, 2017) 1-5 (with R. Sexton).
83. "Implications of Global Warming: Two Eras," [World Development Perspectives](#) Vol. 7-8 (September, 2017) 9-14.
84. "Leisure and the Production Possibility Frontier: A Two-Step Pedagogy," [The American Economist](#), Vol 64, (November 1, 2018), pp. 123-130 (with G. Galles, R. Sexton)
84. "Externalities, Public Goods, and Property Rights Revisited: Regulations Based On Traditional B-C Analysis Are Too Lax," [Journal of Environmental Economics and Policy](#) published August 27, 2019 (<https://doi.org/10.1080/21606544.2019.1660232>).

Manuscripts Under Review or In Progress (as indicated),

"The Production Possibilities Frontier: Issues of Theory and Pedagogy,"

"The Retirement Timing Decision: Theory and Policy" (with P. Mueser, D. Waldman, manuscript).

"Value Uncertainty and Diverging Measures of Willingness to Pay and Willingness to Accept" (with P. Mueser, J. Dow, manuscript).

"Retail Gasoline Price Dispersion and Joint Production: An Hedonic Price Analysis" (with J. Lucier, N. Flores, manuscript).

"On The Social Rate of Discount: Implications of an Input Market Failure to Generate Optimal Income" (manuscript in progress).

"The Critical Difference between Republicans/Conservatives and Democrats/Liberals"

Contributions to Books:

1. "Overall Assessment of Market Performance." Chapter 13 in Urban Growth Policy in a Market Economy. New York: Academic Press, 1979 (with G. S. Tolley and J.L. Gardner), pp. 197-209.
2. "Policy Conclusions." Chapter 14 in Urban Growth Policy in a Market Economy. New York: Academic Press, 1979 (with G.S. Tolley), pp. 211-216.
3. "Rural to Urban Migration: Population Distribution Patterns." In A Survey of Agricultural Economics Literature, Volume III: Economics of Welfare, Rural Development and Natural Resources in Agriculture, 1940s to 1970s, Lee R. Martin (ed.). University of Minnesota Press, 1981, for the American Agricultural Economics Association (with M. Clawson), pp. 362-390.
4. "The Environment: Methodology and Approach." Chapter 1 in Environmental Policy: Elements of Environmental Analysis. Cambridge: Ballinger, 1981 (with G.S. Tolley and G.C. Blomquist), pp. 1-21.
5. "Benefits from Pollution Abatement." Chapter 5 of Environmental Policy: Elements of Environmental Analysis. Cambridge: Ballinger, 1981 (with G.S. Tolley and G.C. Blomquist), pp. 92-117.
6. "Location and Environmental Analysis." Chapter 6 of Environmental Policy: Elements of Environmental Analysis. Cambridge: Ballinger, 1981 (with G.S. Tolley), pp. 118-144.
7. "Toward Improved Environmental Policy." Chapter 8 of Environmental Policy: Elements of Environmental Analysis. Cambridge: Ballinger, 1982 (with G.S. Tolley and A.S. Cohen), pp. 1-11.
8. "Air Quality: Methodology and Approach." Chapter 1 of Environmental Policy: Air Quality. Cambridge: Ballinger, 1982 (with G.S. Tolley and A.S. Cohen), pp. 1-11.
9. "Issues in Health Benefit Measurement." Chapter 3 of Environmental Policy: Air Quality. Cambridge: Ballinger, 1982 (with R.J. Krumm and D.M. Violette), pp. 27-116.
10. "Interactions and Nonlinearities in Air Pollution Damages." Chapter 4 of Environmental Policy: Air Quality. Cambridge: Ballinger, 1982 (with R.J. Krumm), pp. 117-140.
11. "Estimation of Damage Coefficients: The SO₂ Example." Chapter 5 of Environmental Policy: Air Quality. Cambridge: Ballinger, 1982 (with G. Fishelson), pp. 141-152.
12. "Total Benefits: The Use of Coal in Electricity." Chapter 6 of Environmental Policy: Air Quality. Cambridge: Ballinger 1982 (with G.S. Tolley and R.L. Sexton), pp. 153-170.
13. "Toward Improved Air Pollution Policy." Chapter 17 of Environmental Policy: Air Quality. Cambridge: Ballinger, 1982 (with G.S. Tolley and D.M. Violette), pp. 365-421.
14. "Amenities and Migration Over the Life-Cycle." Chapter 10 of The Economics of Urban Amenities, D.B. Diamond and G.S. Tolley (eds.). New York: Academic Press, 1982 (with J. Regulska), pp. 210-221.
15. "Allocation of Research and Development Funds: A Methodology for Choice With an Application to Residential Solar Heat." in Energy Technology Research, Development and Adoption JAI Press, forthcoming R.J. Krumm, G.S. Tolley, B. Kroetch and G. Fishelson (eds.), (with others).
16. "Employment and Resident Location Change." Chapter 2 of Housing and Migration. R.J. Krumm (ed.) Mt. Pleasant, MI: Blackstone Books, 1988 (with P. Linneman).
17. "An Historical Perspective on Inter-regional Migration in the United States." Chapter 7 of Housing and Migration, R.J. Krumm (ed.) Mt. Pleasant, MI: Blackstone Books, 1988 (with R. Vedder and L. Galloway).

18. "Housing and Monetary Policy." Chapter 9 of [Housing and Migration](#), R.J. Krumm (ed.) Mt. Pleasant, MI: Blackstone Books, 1988 (with G.S. Tolley and R.J. Krumm).
19. "Regional Location Patterns in the United States: Recent Changes and Future Prospects." In [Migration and Labor Market Adjustment](#), J. Van Dijk, H. Folmer, H.W. Herzog, Jr. and A.M. Schlottman (eds). Norwell, MA: Kluwer Academic Publishers (with M.J. Greenwood and J.A. Chalmers), 1989.
20. "Aesthetics." Chapter 7 of [Measuring the Demand for Environmental Quality](#), J. Braden and C. Kolstad (eds), North-Holland [Contributions to Economic Analysis Series](#), pp. 213-226, 1991.
21. "The Hedonic Method: Value of Statistical Life, Wage Compensation, and Property Value Compensation," Chapter 13 of [Research Tools in Natural Resource and Environmental Economics](#), A. Batabyal and P. Nijkamp (eds), World Scientific, May 2011, pp. 187-213.
22. "Environmental Valuation: The Sum of Specific Damages Approach," Chapter 14 of [Research Tools in Natural Resource and Environmental Economics](#), A. Batabyal and P. Nijkamp (eds), World Scientific, May 2011, pp. 215-222.
23. "Spatial Equilibrium in the Labor Market," Chapter 2 , Volume I of the [Handbook of Regional Science](#), Peter Nijkamp and Manfred Fisher (eds), section editors Alessandra Faggian and Mark Partridge, Springer, New York, pp. 17-33, 2014.
24. "The Hedonic Method of Valuing Environmental Policies and Quality," Chapter 50, Volume VI of the [Handbook of Regional Science](#), Peter Nijkamp and Manfred Fisher (eds), section editor, Amit Batabyal, Springer, New York, pp. 993-1008, 2014.
25. "Amenities, Public Goods and Community," in Moss, L.A.G. & Glorioso, R.S. (eds) [Global Amenity Migration: Transforming Rural Culture, Economy and Landscape](#), Kaslo, BC and Port Townsend, WA, The New Ecology Press (with G. Rudzitis and L.A.G. Moss).

Reviews, and Other Research:

1. "Framework for Evaluating the Economic Effects of an Air Pollution Control Plan." [Proceedings of the 69th Annual Meeting of the Air Pollution Control Association](#), June 1976 (with G.S. Tolley).
2. "What has Been Learned About Air Pollution Control?" [Proceedings of the 69th Annual Meeting of the Air Pollution Control Association](#), June 1976 (with G.S. Tolley).
3. "New Estimates of the Effect of Minimum Wages on the U.S. Economy by Measuring the Impact on Productivity." In [Fair Standards](#), Senate Committee on Human Resources, Subcommittee on Labor (with R.J. Krumm and G.S. Tolley).
4. "New Estimates of the Effect of Minimum Wages on the U.S. Economy by Updating Measures of Sensitivity." In [Fair Standards](#), Senate Committee on Human Resources, Subcommittee on Labor (with R.J. Krumm and G.S. Tolley).
5. "Amenities, Job Search, and the Migration Decision: A Multinomial Logit Analysis." University of Colorado [Discussion Papers in Economics](#), #141, (October 1979), and University of Chicago [Urban Economic Report](#), #212 (January 1980) (with P. Linneman).
6. "Morbidity and Pollution." University of Colorado [Discussion Papers in Economics](#), #143 (October 1979) (with R.J. Krumm).
7. "Design of Incentives for Spatial Intervention for Developing Countries." In [Proceedings of the Conference on Urbanization and Developing Countries](#), Brazil, August 1980 (with G.S. Tolley and R.J. Krumm).

8. "The Supply Concept in the MAS/SAM Model." Paper prepared for the U.S. Bureau of Mines, Contract #PO210800, February 1980.
9. Book Review: Natural Resource Economics, by Charles W. Howe. New York: John Wiley and Sons, 1979, 350 pp. in Journal of Energy and Development, Vol. VI, No. 1 (Autumn, 1980), pp. 174-176 (with D. Violette).
10. Book Review: Air and Water Pollution Control: A Benefit-Cost Assessment, by A. Myrick Freeman III. New York: John Wiley and Sons 1982, XII + 186 pp. in The American Journal of Agricultural Economics, November 1983, pp. 838-840.
11. "Mnemonics for Demand Determinants." 2nd ed., (reprinted from the first edition). In Great Ideas for Teaching Economics. Glenview, IL: Scott, Foresman and Co. 1984, p. 22.
12. "W*R*I*P." In Great Ideas for Teaching Economics, 2nd ed., Glenview, IL: Scott, Foresman and Co. 1984, p. 177.
13. "A Mnemonic Device for the Determinants of Supply." In Great Ideas for Teaching Economics. 2nd ed., Glenview, IL: Scott, Foresman and Co. 1984, (with R.L. Sexton) p.28.
14. "Improving the Accuracy of Hedonic Price Methods: Econometric Analysis of Existing Data Sets," Vol. VI of Improving the Reducing Costs of Environmental Benefit Assessments, USEPA Contract #CR812054-01-1, Office of Policy Analysis and Planning, U.S. Environmental Protection Agency, Washington, D.C. 20460 (with J. Murdock, M. Thayer and D. Waldman).
15. "Statute Revision: Economical Approaches to Crime Reduction," Economic Times: An Economic Journal of World Events, Vol. 4, No. 1 (Spring 1995), pp. 19-21.
16. "Demand and Supply Curves: Rotations Versus Shifts" ERN Educator: Courses, Cases & Teaching (electronic journal) This paper (with R. Sexton) was recently listed on SSRN's Top Ten download list.
17. Book Review: Priceless: On Knowing the Price of Everything and the Value of Nothing, By Frank Ackerman and Lisa Heinzerling. New York: The New Press 2004, 277 pp. in The Journal of Economic Literature Vol (March, 2005), pp. 188-190.
18. "Democracy and Corruption: Comment" Liberal Democracy Nepal Bulletin, Vol. 2, No. 2 (2005).
19. "A Simple Coase-Like Mechanism that Transfers Control of Government Spending Levels from Politicians to Voters." economics discussion Papers, No 2007-12, 2007. <http://www.economics-ejournal.org/economics/discussionpapers/2007-12>

REFeree FOR

American Economic Review, Board of Editors, 1984-1988
 Journal of Regional Science, Associate Editor (in the past)
 Annals of Regional Science
 Economic Geography
 Economic Inquiry
 Growth and Change
 International Regional Science Review
 Journal of Economics and Business
 Journal of Energy and Development
 Journal of Environmental Economics and Management
 Journal of Human Resources
 Journal of Political Economy
 Journal of Urban Economics

Land Economics
National Science Foundation
Review of Economics and Statistics
Urban Studies

PROFESSIONAL AFFILIATIONS

American Economic Association, Regional Science Association International

CONFERENCE PARTICIPATION, ADVISORY COMMITTEES, PAPERS PRESENTED

Urban Ecosystems Workshop, San Diego, January 12-17, 1975, put on by the National Science Foundation (RANN) and the American Institute of Planners to identify methods by which environmental research could be better incorporated in the political decision-making process. The final report of this project: The Political Environment: An Ecosystems Approach to Urban Management (AIP, 1976).

Member of the United States SCOPE (Scientific Committee on Problems of the Environment) of the ICSU (International Council of Scientific Unions) Environmental Simulation Modelling Advisory Committee which guided the preparation of the book, Environmental Modelling and Decision Making, Praeger Special Studies in U.S. Economic, Social and Political Issues, 1976.

"Environmental Pollutants and the Urban Economy." Paper presented with G.S. Tolley at the Committee on Urban Economics (CUE) meeting at Santa Fe, New Mexico on March 25, 1976.

"Risk and Optimal Environmental Standards." Presented with G.S. Tolley at the Conference on Environmental Benefit Estimation, University of Chicago, June 9, 1977.

Participant at the National Science Foundation (RANN) Regional Environmental Systems Workshop in Seattle, Washington on June 20-24, 1977.

"The Locational Impact of Environmental Policy." Presented with G.S. Tolley at the Conference on Regional and Urban Impact of Government Policy at SUNY, Buffalo, May 5, 1978.

"A Reevaluation of the Human Migration Response." Presented at the 53rd annual meeting of the Western Economic Association, June 21, 1978, Honolulu, Oahu, Hawaii (with P. Linneman).

"The Environmental Costs of the Use of Coal in the Production of Electricity." Presented with G.S. Tolley at the ORSA/TIMS Conference in Los Angeles, November 13-15, 1978.

Member of Governor Richard D. Lamm's Air Pollution Technical Working Committee of the State of Colorado.

"Estimating the Benefits of Improved Air Quality." Presented with R.J. Krumm and D.M. Violette to a meeting of the Benefit Methodology Panel, National Commission on Air Quality, December 10, 1979, in Washington, D.C.

"Intraregional Mobility of Black Americans: The Postbellum South," presented with R.L. Sexton and R.K. Vedder at the 12th annual meeting of the Atlantic Economic Society, New York City, October 8-11, 1981.

"Human Migration: An Interdisciplinary Approach," presented with R.L. Sexton (co-author) at the 13th International Atlantic Economic Conference, Montego Bay, Jamaica, February 11-16, 1982.

"Sunshine, Urbanization and Income: An Intertemporal Examination of Compensating Differentials in American Migration," presented with R.K. Vedder and L.E. Galloway (co-authors) at the 13th International Atlantic Economic Conference, Montego Bay, Jamaica, February 11-16, 1982.

Discussion Leader of "Our Changing Society--Economics and Politics," American Humanities Management Institute, Asilomar Conference Center, Pacific Grove, California, January 1-5, 1982.

Presented "A Theory of International Migration: The Case of U.S. Immigration from Mexico" (with T.A. Knapp) at The Second Conference on Regional Impacts of U.S.-Mexico Economic Relations: Challenges and Opportunities, University of Arizona, Tucson, AA, May 25-28, 1983.

Presented "Are Natural Hazards Temporally Random?" (with A. Bresnock) and "Migration with a Composite Amenity," at the University of Wyoming, Laramie, April 7, 1983.

Presented "Climate, Amenities, and Elderly Migration" at a Workshop on Migration of the Elderly, University of Colorado, November 8, 1984.

Presented "On the Role of Land and Labor Market Interaction in the Spatial Array of Human Activities," Regional Science Association, 31st North American Meetings, November 11, 1984.

Presented "A Test of the Multimarket Amenity Capitalization Hypothesis" (with D. Waldman) at the Econometric Society Meetings in New York, December 30, 1985.

Presented "Two Views of Recent Regional Location Patterns in the United States: Competing Models with Non-Competing Implications" (with M.J. Greenwood) at the International Conference on Migration and Labor Market Efficiency, University of Tennessee, Knoxville, Tennessee, October 15-17, 1987.

Presented "A Test of the Multimarket Amenity Capitalization Hypothesis" at the Population Center Seminar, The Rand Corporation (with D. Waldman, co-author), Santa Monica, California, February 25, 1988, at the University of Chicago, Applications in Economics Workshop, Chicago, Illinois, March 28, 1988, at the Economics Seminar, University of California-Davis, Davis, California, April 14, 1988, at the Labor Economics Workshop, UCLA, October 18, 1988, and at the Economics Seminar, University of Kentucky, September 22, 1988.

Presented "Where to Live: Person Traits, Place Traits, and the Human Location Decision," as the Distinguished Speaker at the 14th Annual Conference of the Kentucky Economic Association, September 23, 1988.

Presented "Valuing Aesthetics" at a conference on Measuring the Demand for Environmental Commodities, The Bismarck Hotel, Chicago, November 18, 1988.

Presented "Amenities and the Retirement Migration Decision," at the Second Colorado Conference on Elderly Migration, Aspen Lodge, Allenspark, CO, September 29, 1991.

Presented "The Economics of Environmental Quality" and "Natural Resource Scarcity" to thirty high school students and thirty high school teachers, in Boulder, CO June 22, 1991 and in Davis, CA June 29, 1991.

Presented "The Role of Equilibrium and Disequilibrium in Modeling Regional Growth and Decline," at the 38th North American Meetings of the Regional Science Association International, Monteleone Hotel, New Orleans, Louisiana, November 9, 1991.

Taught microeconomic principles and environmental/natural resource economics at the National Economics University, Hanoi, Vietnam from September 19, 1992 to November 4, 1992, for the National Academy of Sciences (funded by the Ford Foundation).

Participated in a special consultation on U.S.-Indochina cooperation and exchange in tertiary education, scholarly research and training, at the Social Science Research Council in New York, December 13/14, 1992.

Presented "Where Do I Go When I Am Through With School?" at Claremont (Pomona) and at Pepperdine University on March 24 and March 25, 1993, respectively.

Participated in "Covering the Economy in an Emerging Democracy: A Conference for Journalists" in Budapest, Hungary May 31-June 2, 1993, Bratislava, Slovakia, and Prague, Czech Republic June 10-11, 1993.

Presented "Toward the Alleviation of the "Special Interest" Problem in Government," University of Chicago Workshop in Economic Policy and Public Finance, January 10, 2001.

Presented "The Valuation of Public Goods: Why Do We Work?" (with Nick Flores) at the CU Environmental and Resource Economics Workshop 2001, July 16 - 17, 2001, The Village at Breckenridge, Breckenridge, Colorado.

Presented "Transferring Control of Government Spending to the Voter," University of Wyoming, Department of Economics, October 4, 2001.

Presented "Valuing Public Goods," and "The Valuation of Public Goods: Why Do We Work," University of Chicago, Department of Economics, Workshop in Economic Policy and Public Finance, October 31, 2001.

Presented "Non-Optimal Levels of Suburbanization," Colorado State University, Department of Economics, February 15, 2002.

Presented "Failure to Properly Value Public Goods: Public Policy Implications," Georgia State University, Department of Economics, Andrew Young School of Policy Studies, August 22, 2002.

Presented "Public Policy Implications of Improper Public Goods Valuation: The WTA-WTP Disparity," Colorado State University, Department of Economics, October 4, 2002.

Presented "Public Policy Implications of Improper Public Goods Valuation: The WTA-WTP Disparity," University of Colorado, Department of Economics, November 1, 2002.

Presented "The Economics of Ghost Towns," at the 49th Annual North American Meetings of the Regional Science Association International, Condado Plaza and Casino Hotel, San Juan, Puerto Rico, November 15, 2002.

Discussant at the Invited Session to Honor the Memory of Sherwin Rosen, AEA-AERE joint session, ASSA meetings, Washington, D.C. Convention Center, January 3-5, 2003.

Presented "Transferring Control of Government Spending to the Voter," at the 28th Annual Conference of the Association of Private Enterprise Education, Caesars Palace, Las Vegas, NV, April 8, 2003.

Presented "Public Policy Implications of Improper Public Goods Valuation: The WTA-WTP Disparity," George Mason University, ICES, September 26, 2003.

Presented "Public Policy Implications of Improper Public Goods Valuation: The WTA-WTP Disparity," University of Missouri, October 3, 2003.

Presented "Transferring Control of Government Spending to the Voter," Colorado State University, Department of Economics, October 10, 2003.

Presented "Low-Income Female Migration and the Welfare Magnet Effect: New Evidence from CPS Data" at the 50th Annual North American Meetings of the Regional Science Association International DoubleTree Hotel, Philadelphia, PA, November 20-22, 2003.

Presented "Linking Regional Science and Urban Economics: Long-Run Interactions among Preferences for Amenities and Public Goods" at the 50th Annual North American Meetings of the Regional Science Association International DoubleTree Hotel, Philadelphia, PA, November 20-22, 2003.

Presented "The Simple Analytics of the WTA-WTP Disparity for Public Goods" University of Chicago, Department of Economics, Workshop in Economic Policy and Public Finance, December 5, 2003.

Presented "Proper Valuation of Public Goods and the WTA-WTP Disparity: Public Policy Implications," North Carolina State University (presented at RTI), March 1, 2004.

Presented "Proper Valuation of Public Goods: Policy Implications," Rochester Institute of Technology, The Gosnell Lecture, September 22, 2004.

Presented "Resource Misallocation from Goods Misvaluation: When Psychological Underpinnings of Demand 'Matter', " "Linking Regional Science and Urban Economics: Long-Run Interactions Among Preferences for Amenities and Public Goods," and "Over-Development of Rural Areas Due to Non-Optimal Urban Public Good Provision," at the 51st Annual North American Meetings of the Regional Science Association International, Renaissance Seattle, Seattle, WA, November 11-13, 2004.

Presented "Some Policy Implications of a Flaw in the Valuation of Public Goods," West Virginia University, September 9, 2005.

Presented "Some Legal and Economic Implications of a Flaw in the Valuation of Public Goods (...or Smith/Coase Versus Pigou/Samuelson)," University of British Columbia Law School, January 9, 2006.

Presented "Non-Optimal Regional Sprawl: Filtering Implications of Central City Public Good Provision Failure," North American Regional Science Council (NARSC) meetings (53rd Annual North American Meetings of the Regional Science Association International, Fairmont Royal York, Toronto, CA, November 16-18, 2006.

Presented "Linking Regional Science and Urban Economics: Long-Run Interactions Among Preferences for Amenities and Public Goods," University of Louisville, April 1, 2009.

Presented: "If the Large Wta-Wtp Gap for Public Goods is Real (And There are Good Reasons to Think So) Conventional Welfare Measures are Simply Incorrect," at the Eleventh Annual CU Environmental and Resource Economics Workshop, September 17-18, 2009 Lion Square Lodge, Vail, Colorado.

Presented: "The Critical Difference between Republicans/Conservatives and Democrats/Liberals," at the 39th International Conference of the Association of Private Enterprise Education (APEE) in Las Vegas, Nevada, April 14th, 2014.

Presented: "Public Goods: A Valuation Flaw and Some of Its Microeconomic and Macroeconomic Implications," at UNLV Economics Dept (January 30, 2015), at Texas A&M, Corpus Christi (February 6, 2015), and at New Mexico State University (February 13, 2015).

Presented: "Global Climate Policy Will Have Larger Benefits Than Anyone Thinks (and Welfare Gains, Strangely, Are Likely To Be Much Larger Yet)" and "Implications of Global Warming: Two Eras" at an NSF-sponsored workshop at Ohio State University on Food, Energy, and Water Systems (FEWS) Implications of Global Climate Change, November 4 and 5, 2015.

CONSULTANT TO

Equitable Environmental Health, Inc.; Commonwealth Edison; Ministry of Planning of Panama; HUD; Synergy, Inc.; Chamber of Commerce of the United States; Illinois Institute for Environmental Quality; Argonne National Laboratory; ERC, Inc.; Resource Management Consultants, Inc.; Energy-Environmental Consultants, Inc.; Energy and Resource Consultants, Inc.; U.S. Bureau of Mines; Rand Corporation, Foundation for Teaching Economics, Foundation for American Communications, RCF, Inc..