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JAMES M. WALKER

Professor of Economics

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PERSONAL INFORMATION

Birth date: November 6, 1950

EDUCATION

Bachelor of Science, 1973
Auburn University, Auburn, Alabama
Major Field: Mathematics

Master of Science, 1975
Auburn University
Major Field: Economics
Thesis Title: "The Determinants of Growth Level Differences in Per Capita GNP of Less Developed Countries: 1956-1971"

Doctor of Philosophy, 1978
Texas A&M University, College Station, Texas
Major Field: Economics
Dissertation Title: "Empirical Essays on the Residential Demand for Electricity"
Director: Raymond C. Battalio

MAJOR FIELDS OF RESEARCH INTEREST AND TEACHING

Applied microeconomics, experimental economics with emphasis on public goods provision and common pool resources

Graduate Teaching: Experimental Economics, Methods for Teaching Economics

Undergraduate Teaching: Microeconomic Theory and Experimental Economics

ACADEMIC POSITIONS HELD: 1973-present

1973-1974: Associate Instructor, Auburn University
1974-1975: Instructor, Tuskegee Institute
1975-1978: Research and Teaching Assistant, Texas A&M University
1978-1984: Assistant Professor, The University of Arizona
1984-1987: Assistant Professor, Indiana University
1987-1991: Associate Professor, Indiana University
1992 - present Professor and Senior Research Fellow, Ostrom Workshop, Indiana University

ADMINISTRATIVE POSITIONS

Director of Graduate Studies, Department of Economics (1999-2001)
Chair, Department of Economics (2002- 2006)
Co-Director, Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis (2007-2010)
Interim Director, Social Science Research Commons (2013-2015)
Director of Undergraduate Studies, Department of Economics (2015-2018)
Director, Interdisciplinary Experimental Laboratory (2005 to present)
Associate Department Chair, (2020-2022)

AWARDS – Research and Teaching

Economic Inquiry, 1993 Best Article Award, "Monetary Rewards and Decision Costs in Experimental Economics," with Vernon Smith .

Student Choice Award - Student Alumni Council - Indiana University, 1990.
FACET Award - Faculty Colloquium on Excellence in Teaching - Indiana University, 1993.
Trustees Teaching Award, 2007 and 2018
James P. Holland Award for Exemplary Teaching and Service to Students, 2009

RESEARCH GRANTS

College of Business and Public Administration, University of Arizona: Summer Research Grant (Summer 1981).

National Science Foundation: "Experimental Studies of Private Market and Non-Market Resource Allocation Mechanisms," (co-principal investigator R. M. Isaac): 1983 - 1985.

National Science Foundation: "Experimental Tests of Models of Cooperative and Non-Cooperative Behavior: Private and Public Goods Markets," (collaborative proposal with R.M. Isaac, University of Arizona): 1986 - 1987.

National Science Foundation: "Towards an Institutional Theory of Collective Action" (co-principal investigators E. Ostrom and R. Gardner): 1987 - 1989.

National Science Foundation: "Public Goods Research: An Extensive Experimental Investigation Into Endogenous Organization for Communication and Large Group Properties," (co-principal investigator A. Williams; collaborative proposal with R.M. Isaac): 1989 - 1992.

National Science Foundation: "The Role of Institutions in the Survival and Efficiency of Common-Pool Resources," (co-principal investigators E. Ostrom and R. Gardner): 1990 - 1993.

Indiana University Center on Philanthropy: "Experimental Research on the Voluntary Provision of a Pure Public Good," (co-principal investigator Arlington Williams) 1993 - 1994.

National Science Foundation: "The Commons: Institutions, Heterogeneities, Time Dependencies, and Local/Global Nesting," (co-principal investigators E. Ostrom and R. Gardner): 1994 - 1998.

American Academy of Arts and Sciences: "Studies on Coordination Failure and Trust" (co-principal investigators Elinor Ostrom and David Schmidt): 1996-1997.

Indiana University Center on Philanthropy: "The Effect of Reward and Punishment on Contributions to Public Goods," (with Martin Sefton): 1998-1999.

National Science Foundation: "Biocomplexity in Linked Bioecological-Human Systems: Agent Based Models of Land Use Decisions and Emergent Land Use Patterns" (co-PIs Elinor Ostrom, J. Busemeyer, T. Evans, V. Meretsky): 2001-2006.

Indiana University, Center on Philanthropy, "The Effect of Rewards and Sanctions in Provision of Public Goods with Uncertainty," (Co-Collaborator Matt Halloran, Graduate Student, Department of Economics): 2002 - 2004.

National Science Foundation: "Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems" (PI Elinor Ostrom, Co-PIs J. Busemeyer, T. Evans, and J. Walker): 2002-2007.

Indiana University, Center on Philanthropy, "The Provision of Public Goods with Matching Contributions," (Co-Collaborators: Arlington Williams and Ronald Baker, Graduate Student, Department of Economics): 2004 - 2005.

National Science Foundation. "Collaborative Research: Asymmetric Power in Paired Common Pool and Public Good Games: Experiments, Institutions, and Behavior," (Co-Collaborators, Elinor Ostrom, James Cox, and Vjollca Sadiraj): 2009-2012.

Providing Ecosystem Services When Outsiders Support Insiders," 2019-2023. Fonds zur Förderung der wissenschaftlichen Forschung (FWF). AMOUNT: 395.860,50 €. PI: Esther Blanco. Grant Number P 32859. Collaborators: Natalie Struwe and James Walker. <https://www.uibk.ac.at/eeecon/news/funded-fwf-project.html.en>

BOOKS

Rules, Games, and Common Pool Resources (with E. Ostrom and R. Gardner), University of Michigan Press, 1994.

Trust and Reciprocity: Interdisciplinary Lessons for Experimental Research, editors Elinor Ostrom and James Walker, Russell Sage Press, 2003.

PUBLISHED PAPERS

Refereed Journals

"Volunteer Artifacts in Experiments in Economics: Specification of the Problem and Some Initial Data from a Small Scale Field Study," (with J. Kagel and R. Battalio), in **Research in Experimental Economics**, Vol. 1, ed. V. Smith, JAI Press, 1979, 169-197.

"Energy Demand Behavior in a Master-Metered Apartment Complex," **Journal of Applied Psychology**, 1979, Vol. 64, No. 2, reprinted in **Experimenting in Society: Issues and Examples in Applied Psychology**, ed. J.W. Reich. Scott, Foresman and Company, August 1981, 190-196.

"Residential Demand for Electricity: Further Empirical Evidence," **Resources and Energy**, Vol. 2, No. 4, December 1979, 391-396.

"Energy Conservation: Response to the Embargo and Subsequent Appeals for Conservation," **Journal of Consumer Research**, Vol. 7, June 1980, 88-92.

"Auction Market Theory of Heterogeneous Bidders," (with J. Cox and V. Smith), **Economics Letters**, 9, 1982, 319-325.

"The Impact of Incentive Payments in Time-of-Day Electricity Pricing Experiments: The Arizona Experience," (with D. H. Hill, D. Ott, and L. Taylor), **The Review of Economics and Statistics**, Vol. LXV, No. 1, February 1983, 59-65.

"Tests of a Heterogeneous Bidders Theory of First Price Auctions," (with J. Cox and V. Smith), **Economics Letters**, 12, 1983, 207-212.

"A Test that Discriminates Between Two Models of the Dutch-First Auction Non-Isomorphism," (with J. Cox and V. Smith), **Journal of Economic Behavior and Organization**, 4, 1983, 205-219.

"Divergent Evidence on Free Riding: An Experimental Examination of Possible Explanations," (with R.M. Isaac and S. Thomas), **Public Choice**, 43, 1984, 113-149.

"Theory and Behavior of Multiple Unit Discriminative Auctions," (with J. Cox and V. Smith), **Journal of Finance**, Vol. 39, No. 4, September 1984, 983-1010.

"Expected Revenue in Discriminative and Uniform Price Sealed Bid Auctions," (with J. Cox and V. Smith), **Research in Experimental Economics**, Vol. 3, ed., V. Smith, JAI Press, 1985, 183-232.

"Information and Conspiracy in Sealed Bid Auctions," (with R.M. Isaac), **Journal of Economic Behavior and Organization**, 6, 1985, 139-159.

"Bidding Behavior in First Price Sealed Bid Auctions: Use of Computerized-Nash Competitors" (with V. Smith and J. Cox), **Economics Letters**, Vol. 23, No. 3, 1987, 239-244.

"Market Behavior in Bid, Offer and Double Auctions: A Reexamination," (with A. Williams). **Journal of Economic Behavior and Organization**, Vol.9, 1988, 301-314.

"Group Size Hypotheses of Public Goods Provision: The Voluntary Contribution Mechanism," (with R.M. Isaac), **Quarterly Journal of Economics**, Vol. CIII, February 1988, 179-200.

"Theory and Individual Behavior in First Price Auctions,"(with J. Cox and V. Smith), **Journal of Risk and Uncertainty**, Vol.1, March 1988, 61-100.

"Communication and Free Riding Behavior: The Voluntary Contribution Mechanism," (with R.M. Isaac), **Economic Inquiry**, October 1988, 585-608.

"The Assurance Problem in a Laboratory Market" (with R.M. Isaac and D. Schmidtz), **Public Choice**, 62, 1989, 217-236.

"Inducing Risk Neutral Preferences: An Examination in a Controlled Market Environment," (with V. Smith and J. Cox), **Journal of Risk and Uncertainty**, Vol.3, 1990, 5-24.

"The Nature of Common-Pool Resource Problems," (with R. Gardner and E. Ostrom), **Rationality and Society**, Vol.2, No.3, July 1990, 335-358.

"Rent Dissipation in Limited Access Common Pool Resource Environments: Experimental Evidence," (with Elinor Ostrom and Roy Gardner), **Journal of Environmental Economics and Management**, Volume 19, 1990, 203-211.

"On the Suboptimality of Public Goods Provision: Further Experimental Evidence" (with R.M.Isaac), **Research in Experimental Economics**, ed. R.M. Isaac, JAI Press, Volume 4, 1991, 211-222.

"The Efficiency of Experimental Asset Markets: Empirical Robustness and Subject Sophistication," (with S. Anderson, D. Johnston, and A. Williams), **Research in Experimental Economics**, ed. R.M. Isaac, JAI Press, Volume 4, 1991, 107-190.

"Rent Dissipation and Probabilistic Destruction of Common-Pool Resource Environments: Experimental Evidence," (with R. Gardner), **Economic Journal**, Vol.102, No.144, September, 1992, 1149-1161.

"Covenants With and Without the Sword: Self-Governance is Possible" (with R. Gardner and E. Ostrom), **American Political Science Review**, Vol. 86, No.2, June, 1992, 404-417.

"Theory and Misbehavior in First Price Auctions: Comment" (with J. Cox and V. Smith), **American Economic Review**, Vol. 82, No.5, Dec. 1992, 1392-1412.

"Rewards, Experience and Decision Costs in First Price Auctions" with (V. Smith), **Economic Inquiry**, Vol. 31, No.2, April 1993, 237-244.

"Monetary Rewards and Decision Costs in Experimental Economics" with (V. Smith), **Economic Inquiry**, Vol. 31, No.2, April 1993, 245-261.

"Computerized Laboratory Exercises for Microeconomics Education: Three Applications Motivated by the Methodology of Experimental Economics," (with A. Williams), **Journal of Economic Education**. Vol.24, No.4, Fall 1993, 291-315.

"Group Size and the Voluntary Provision of Public Goods: Experimental Evidence Utilizing Large Groups," (with R.M. Isaac and A. Williams), **Journal of Public Economics**, Vol. 54, No. 1, 1994, 1-36.

"The Role of Communication in Resolving Commons Dilemmas: Experimental Evidence with Heterogeneous Appropriators," (with S. Hackett and E. Schlager), **Journal of Environmental Economics and Management**, 27, 1994, 99-126.

"Heterogeneities, Information, and Conflict Resolution: Experimental Evidence on Sharing Contracts," (with S. Hackett and D. Dudley), **Journal of Theoretical Politics**," 6(4), 1994, 495-525.

"Heterogeneous Demand for Public Goods: Effects on the Voluntary Contributions Mechanism," (with J. Fisher, R.M. Isaac, and J. Schatzberg), **Public Choice**, 85 (3-4), December, 1995, 249-266.

"Anonymity and the Voluntary Provision of Public Goods" (with S. Laury and A. Williams), **Journal of Economic Behavior and Organization**, 27, 1995, 365-380.

"Governing A Groundwater Commons: A Strategic and Laboratory Analysis of Western Water Law," (with R. Gardner and M. Moore), **Economic Inquiry**, April, 1997, 218-234.

"An Experimental Study of Time-Independent and Time-Dependent Externalities in the Commons" with (A. Herr and R. Gardner), **Games and Economic Behavior**, 19, 1997, 77-96.

"Nash as an Organizing Principle in the Voluntary Provision of Public Goods: Experimental Evidence" (with R.M. Isaac), **Experimental Economics**, Vol.1, No. 3, 1998, 191-206.

"Reciprocity, Trust, and the Illusion of Control: A Cross-Societal Study." (with N. Hayashi, E. Ostrom, T. Yamagishi). **Rationality and Society**, 1999, 11(1) (Feb.) pp 27-46.

"The Voluntary Contribution Mechanism: Provision of a Pure Public Good with Diminishing Marginal Returns," (with S. Laury and A. Williams), **Public Choice**, 99, 1999, 139-160.

“Collective Choice in the Commons: Experimental Results on Proposed Allocation Rules and Votes ,” (with R. Gardner, A. Herr, and E. Ostrom), **Economic Journal**, Vol. 110, No.460, January, 2000, 212-234.

“Collective Action with Incomplete Commitment; Experimental Evidence,” (with P. Schmitt and K. Swope), **Southern Economic Journal**, Vol. 66, No.4, April 2000, 829-854.

“The Power and Limitations of Proportional Cutbacks in a Common-Pool Resource,” (with R. Gardner, A. Herr, and E. Ostrom), **Journal of Development Economics**, Vol. 62, 2000, 515-533.

“Cooperation in PD Games: Fear, Greed, and History of Play,” (with T.K. Ahn, Elinor Ostrom, David Schmidt, Robert Shupp), **Public Choice**, 106, 2001, 137-155.

“Dilemma Games: Game Parameters and Matching Protocols” (with T.K. Ahn, E. Ostrom, D. Schmidt, R. Shupp), **Journal of Economic Behavior and Organization**, Vol. 46, 2001, 353-377.

“Playing Safe in Coordination Games: The Role of Risk Dominance, Payoff Dominance, Social History, and Reputation,” (with David Schmidt, Robert Shupp, and Elinor Ostrom). **Games and Economic Behavior**, 42, 2003, 281-299.

“Incorporating Motivational Heterogeneity into Game Theoretic Models of Collective Action,” (with T.K Ahn and E. Ostrom). **Public Choice**, 117, 2003, 295-315.

“Rewards and Sanctions and the Provision of Public Goods in One-Shot Settings,” (with Matt Halloran), **Experimental Economics**, 7, 235-247, 2004.

“Cooperation in PD Games: Experimental Evidence with Asymmetric Payoffs,” (with T.K. Ahn, M. Lee, and L. Ruttan), **Public Choice**, 132: 353-366, 2007.

“The Effect of Rewards and Sanctions in Provision of Public Goods,” (with M. Sefton and R. Shupp), **Economic Inquiry**, 45-4, 671-690, October 2007.

“Matching Contributions and the Voluntary Provision of a Pure Public Good: Experimental Evidence,” (with Ronald Baker and Arlington Williams), **Journal of Economic Behavior and Organization**, V70, May, 2009, 122-134.

“Trust in Private and Common Property Experiments,” (with James C. Cox, Elinor Ostrom, Jamie Castillo, Eric Coleman, Robert Holahan, Michael Schoon, Brian Steed), **Southern Economics Journal**, V75, 4, April 2009, 957-975.

“Foundations of the Ostrom Workshop: Institutional Analysis, Polycentricity, and Self-Governance of the Commons,” (with Michael McGinnis) **Public Choice**, 2010. 143, Numbers 3-4, 293-301.

“A common-pool resource experiment with postgraduate subjects from 41 countries,” (with T.K. Ahn and Elinor Ostrom), **Ecological Economics**, 69, 2010, 2624-2633.

“Matching Contributions and the Voluntary Provision of a Pure Public Good: Further Experimental Evidence,” (with Ronald Baker and Arlington Williams), **Journal of Socio-Economics**, 40, December 2011, 763-774.

“Provision versus Appropriation in Symmetric and Asymmetric Social Dilemmas,” (with James Cox, Elinor Ostrom, Vjollca Sadiraj), **Southern Economics Journal**, 79(3), 2013, 496–512.

“Resource Allocation Contests: Experimental Evidence”, (with R. Shupp, R. Sheremeta, D. Schmidt). **Journal of Economic Psychology**, Volume 39, pp 257-267 (December 2013).

“Allocating a Voluntarily Provided Common-Property Resource: An Experimental Examination,” (with Brock Stoddard and Arlington Williams), **Journal of Economic Behavior and Organization**, 101, May 2014, 141-155.

“The Bloomington Workshop: multiple methods, interdisciplinary research, and collective action,” **Public Choice**, April, 2015, 85-93.

“The opportunity costs of conservation with deterministic and probabilistic degradation externalities” (with Esther Blanco and Maria Claudia Lopez), **Environmental and Resource Economics**, January 2015, DOI 10.1007/s10640-014-9868-7.

“Incomplete Punishment Networks in Public Goods Games: Experimental Evidence,” (with Andreas Leibbrandt, Lauri Saeaeksvuori, and Abhijit Ramalingam), **Experimental Economics**, March 2015, V18, 15-37.

“The Tension Between Private Benefits and Degradation Externalities from Appropriation in the Commons,” (with Esther Blanco, Tobias Haller, and Maria Claudia Lopez), **Journal of Economic Behavior and Organization**, 125 (2016), 136-147.

“An individualistic approach to institution formation in public good games,” (with Abhijit Ramalingam, Antonio Morales, and Sara Godoy), **Journal of Economics Behavior and Organization**, 129, (2016), pp. 18-36.

“Externalities in appropriation: Responses to probabilistic losses,” (with Esther Blanco and Tobias Haller), **Experimental Economics**, 20, Issue 4, (2017), 793-408.

“An Experimental Study of Finitely and Infinitely Repeated Linear Public Goods Games.” (with Volodymyr Lugovskyy , Daniela Puzzello, Andrea Sorenson, and Arlington Williams). **Games and Economic Behavior**, 102 (2017), pp. 286-302.

“Provision of Environmental Public Goods: Unconditional and Conditional Donations from Outsiders,” (with Esther Blanco and Tobias Haller), **Journal of Environmental Economics and Management**, Volume 92, November 2018, Pages 815-831

“Varying experimental instructions to improve comprehension: punishment in public goods games *Journal of Behavioral and Experimental Economics*,” (with Abhijit Ramalingam and Antonio Morales), **Journal of Behavioral and Experimental Economics**, April 2018, pp. 66-73

"The Market for Talent: Competition for Resources and Self-Governance in Teams," (with Abhijit Ramalingam and Brock Stoddard), **Games and Economic Behavior**, Volume 114, March 2019, Pages 268-284.

"Peer punishment of acts of omission versus acts of commission in give and take social dilemmas," (with Abhijit Ramalingam and Antonio J. Morales), **Journal of Economic Behavior and Organization**, Volume 164, August 2019, Pages 133-147.

"Incentivizing Provision of Collective Goods: Allocation Rules," (with Brock Stoddard and Caleb Cox), **Southern Economic Journal**, February, 2021, Pages 1345-1365.

"Experimental evidence on sharing rules and additionality in transfer payments," (Esther Blanco, Natalie Struwe, and James Walker), **Journal of Economic Behavior and Organization**, July, 2021, Pages 1222-1247.

Chapters in Edited Volumes or Proceedings

"Experimental Artifacts as Specification Problems," **Analysis of Residential Response to Time-of-Day Prices**, prepared for the Electric Power Research Institute, RP1363, by the Survey Research Center, Institute for Social Research, The University of Michigan, May 1982, 6.1-6.22.

"Experimental Development of Sealed Bid Auction Theory; Calibrating Controls for Risk Aversion," (with J. Cox and V. Smith), **Proceedings and Papers of the American Economic Association**, May 1985, 160-165.

"Rent Dissipation and Balanced Deviation Disequilibrium in Common Pool Resources: Experimental Evidence," (with R. Gardner and E. Ostrom), **Game Equilibrium Models:II**, 1991.

"Communication in a Commons: Cooperation Without External Enforcement," (with E. Ostrom), **Contemporary Laboratory Research in Political Economy**, ed. Tom Palfrey, U. Of Michigan Press, 1991, 287-322

"Costly Communication: An Experiment in a Nested Public Goods Problem," (with R.M. Isaac), **Contemporary Laboratory Research in Political Economy**, ed. Tom Palfrey, U. of Michigan Press, 1991, 269-286.

"Social Capital and Cooperation," (with R. Gardner and E. Ostrom), **Social Dilemmas and Cooperation**, eds. Ulrich Schulz and Wolfe Albers, Springer-Verlag, Heidelberg, 1994, 375-412.

"Laboratory Experimental Research on Common-Pool Resources: A Methodological Discussion With Application to Water," (with S. Hackett), **Resolution of Water Quantity and Quality Conflicts**, Ariel Dinar and Edna Loehman, eds, Greenwood Publishing Group, Inc., Westport, CT (1995).

"Theory, Field, and Laboratory: The Continuing Dialogue@, (with Roy Gardner and Elinor Ostrom), **Understanding Strategic Interaction - Essays in Honor of Reinhard Selten**, Springer/Verlag: Berlin, 1997, 386-393.

"Neither Markets Nor States," (with E. Ostrom), **Perspectives on Public Choice**, ed. Dennis Mueller, Cambridge University Press. 1997, 35-72.

"Ground Water Law in the American West: Economic Modeling and Analysis," (with M. Moore and R. Gardner), **Designing Institutions for Environmental and Resource Management**, edited by Edna Loehman and Marc Kilgour, Edward Elgar Ltd. publisher, 1998.

"Student Decision Making as Active Learning: Experimental Economics in the Classroom," (with C. Noussair), **Teaching Undergraduate Economics: Alternatives to Chalk and Talk**, edited by William Becker and Michael Watts, 1999.

"Experimental Economics: Methods in the Large Undergraduate Classroom: Practical Considerations" (with R.M. Isaac and A. Williams), **Research and Experimental Economics**, edited by R. Mark Issac, 8th Ed., JAI Press, Amsterdam: Elsevier Science Press, 2001, 1-23.

"Common-pool resource appropriation and conservation: lessons from experimental economics," (with Esther Blanco), *Routledge Handbook of the Study of the Commons*, pages 106-116, forthcoming.

"Trust in Two Person Games: Game Structures and Linkages," (with T.K. Ahn, Elinor Ostrom, and David Schmidt), **Trust, Reciprocity, and Gains from Association: Interdisciplinary Lessons from Experimental Research**, edited by Elinor Ostrom and James Walker, Russell Sage Publications, 2003.

"Motivation Theory and Experimental Behavior Under the Decision Cost Hypothesis," (with V. Smith) **Handbook of Experimental Economic Results**, ed. C. Plott and V. Smith, March 2005.

"Rewards and Behavior in First Price Auctions," (with V. Smith), **Handbook of Experimental Economic Results**, ed. C. Plott and V. Smith, March 2005.

"The Voluntary Provision of a Public Good with Binding Multi-Round Commitments," (with M. Halloran and A. Williams), **Research in Experimental Economics**, 2006.

"Trust and Reciprocity as Foundations for Cooperation: Individuals, Institutions, and Context," (with Elinor Ostrom), **2009, Who Can We Trust?: How Groups, Networks, and Institutions Make Trust Possible**, ed. Karen Cook, Margaret Levi, and Russell Hardin, 91-124. New York: Russell Sage Foundation.

"Common-pool resource appropriation and conservation: lessons from experimental economics," (with Esther Blanco), **Routledge Handbook of the Study of the Commons**, pages 106-116, 2018, ISBN: 9781138060906.