

July 2008

VITA for  
Todd Sandler

#### PERSONAL DATA

Name: Todd Sandler Marital Status: Married, 1 son (Tristan)  
Rank: Vibhooti Shukla Professor of  
Economics and Political  
Economy Wife's Name: Jean Marie Murdock  
Address: School of Economic, Political and  
Policy Sciences Home Fax: 972-470-0103  
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#### EDUCATIONAL BACKGROUND:

B.A., (cum laude) State University of New York at Binghamton, 1968.  
M.A., State University of New York at Binghamton, 1970 (one semester at  
Texas A & M, 1968).  
Ph.D. in Economics, State University of New York at Binghamton, 1971.

#### DISSERTATION TITLE:

A Contribution to the Theory of Devaluation

#### MAJOR AREAS:

Public Economics and Public Choice  
Applied Microeconomic Theory  
International Political Economy  
International Relations  
Study of Terrorism  
Natural Resources and Environmental Economics  
Defense and Peace Economics  
International Trade and Finance

#### COURSES TAUGHT:

Intermediate Micro; Intermediate Macro; Mathematical Economics; Graduate Seminar in  
Micro; Graduate Micro I; Graduate Micro II; Graduate Macro I; Principles of Economics  
(Micro, Macro); Graduate Seminar in Public Finance; Public Choice; Environmental

Economics; Graduate Managerial Economics; Graduate Welfare Theory; Graduate Theory of Public Goods and Externalities; Honors Microeconomic Principles, Honors Seminar on Terrorism; Undergraduate Public Finance; Seminar in Economics and Security; International Policy Analysis; Global Economy; International Terrorism and Liberal Democracy, Graduate Public Finance; Honors Game Theory; and Political Economy of Terrorism.

## ACADEMIC POSITIONS:

- Vibhooti Shukla Professor of Economics and Political Economy, University of Texas at Dallas, August 2006 on.
- Joint appointment as Professor of International Relations, Economics, and Law, Law School, University of Southern California, March 2005 to March 2008.
- Robert R. and Katheryn A. Dockson Professor in International Relations and Economics, University of Southern California, August 2000 to March 2008.
- Distinguished Professor of Economics and Political Science, Iowa State University, April 1995 to August 2000.  
Leaves of Absence:  
Visiting Fellow, University of Keele, UK, Fall semester 1996.  
Visiting Distinguished Scholar, University of Newcastle, Australia, May 1996 to June 30, 1996.
- Professor of Economics, Iowa State University, May 1986 to April 1995.  
(also given title of Professor of Political Science in September 1988)  
Leave of Absence:  
Honorary Fellow, University of Wisconsin-Madison, January 1990 to June 1, 1990.
- Professor of Economics, University of South Carolina, August 1985 to May 1986.
- Professor of Economics, University of Wyoming, July 1979 to December 1985.  
Leaves of Absence:  
Visiting Fellow, University of York, U.K., August 1983 to October 1983 and May 1984 to July 1, 1984.  
Visiting Fellow, Australian National University, September 1981 to December 1981 and May 1982 to September 1982.  
Visiting Scholar, Institute of Social and Economic Research, University of York, U.K., Summer 1980.  
Visiting Fellow, University of Aberdeen, Scotland, June to July 1979.
- Associate Professor of Economics, University of Wyoming, June 1976 to June 1979.  
Leave of Absence:  
NATO Fellow, Institute of Social and Economic Research, University of York, United Kingdom, June 1977 to June 1978.

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Associate Professor of Economics, Arizona State University, September 1975 to June 1976.

Leave of Absence:

Visiting Assistant Professor of Economics, State University of New York at Binghamton, September 1974 to August 1975.

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Assistant Professor of Economics, Arizona State University, Tempe, Arizona, September 1971 to August 1975.

## HONORS, GRANTS:

- Principal Investigator, Asian Development Bank Institute grant, “The Impact of Terrorism and Internal Conflict on Growth in Asia,” \$10,000, April 2008 to September 2008.
- Principal Investigator, Department of Homeland Security, CREATE grant, “Understanding Counterterrorism in a Globalized World,” \$75,000, October 2006 to September 2007; \$100,000, August 2007 to September 2008.
- Duncan Black Award for best article in Public Choice, 2005.
- Co-recipient National Academy of Sciences Award for Behavioral Research Relevant to the Prevention of Nuclear War, 2003.
- Principal Investigator, Swedish Ministry of Foreign Affairs, EGDI grant, “Regional Public Goods,” \$40,000, April 2001 to February 2002.
- Honorary Visiting Professor, Department of Economics, University of York, October 1999-September 2002, October 2003 to September 2006.
- Annual Award for Excellence in Honors Teaching for 1998. One award given per year for best honors teacher at Iowa State University.
- NATO-EAPC Research Fellowship, 1998-2000.
- Quality of Communication Award, American Agricultural Economics Association 1998 for book, *Global Challenges: An Approach to Environmental, Political, and Economic Problems*, first prize.
- Quality of Communication Award, Honorable Mention, American Agricultural Economics Association, 1997 for co-authored book, *The Theory of Externalities, Public Goods, and Club Goods*, 2nd Edition.
- Visiting Distinguished Scholar, University of Newcastle, Australia, May-June 1996.
- Quality of Research Excellence Award, American Agricultural Economics Association, August 1995 for co-authored paper, “Agricultural Research Expenditures in the U.S.: A Public Goods Perspective,” first prize.
- Liberal Arts and Sciences College Outstanding Teacher at the Introductory Level, 1995.
- Visiting Fellow, Federalism Research Centre, Australian National University, May-July

1994.

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Senior Fellow, Institute for Policy Reform, Washington, DC, 1994.

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Principal Investigator, National Science Foundation grant SBR92-22953 “Alternative Theories and Tests of Alliance Behavior, Environmental Pacts, and Global Collective Action,” \$85,680, June 1, 1993 to November 30, 1994.

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Senior Fellow, Institute for Policy Reform, Washington, DC, 1993.

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Senior Fellow, Institute for Policy Reform, Washington, DC, 1992.

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Senior Fellow, Institute for Policy Reform, Washington, DC, 1990-91.

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Principal Investigator, National Science Foundation grant SES89-07646 “The Economics of Terrorist Negotiations, The Effectiveness of Terrorist-Thwarting Policies, and Related Issues,” \$97,711, July 1, 1989 to June 30, 1991.

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Australian National University Fellowship, 1981.

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NATO Postdoctoral Fellowship in the Sciences (NSF) June 1977 to June 1978.

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National Defense Education Association Fellowship (Title IV) Texas A & M, September 1968.

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State University of New York at Binghamton Fellowship, September 1969 to June 1970.

## PROFESSIONAL ORGANIZATIONS:

American Economic Association  
American Political Science Association  
Association of Environmental and Resource Economists  
China Economic Association  
International Defense Economics Association  
LIST Society  
Public Choice Society  
Public Economic Theorist Association  
Royal Economic Society  
Southern Economic Association  
Western Economic Association  
International Studies Association

## REFEREED PUBLICATIONS:

“A Two-Country Investment Accelerator Model,” *The Indian Journal of Economics*,  
Volume  
53, No. 1, July 1972, pp. 1-11.

“Fiscal Federalism, Spillovers and the Export of Taxes,” (with Robert B. Shelton),  
*Kyklos*,  
Volume 25, No. 4, 1972, pp. 736-753.

“The Rybczynski Theorem, The Gains from Trade and Nonhomogeneous Utility  
Functions,”  
*Indian Economic Journal*, Volume 21, No. 1, July-September 1973, pp. 19-31.

“Exchange Rate Systems, the Marginal Efficiency of Investment and Foreign Direct  
Capital  
Movements: A Comment,” *Kyklos*, Volume 26, No. 4, 1973, pp. 866-868.

“Optimum Population: A Further Look,” (with Timothy D. Hogan), *Journal of Economic  
Theory*, Volume 6, No. 6, December 1973, pp. 582-584.

“Devaluation, Capital Flows and the Balance of Payments: A Respecification,”  
*Weltwirtschaftliches Archiv.*, Volume 110, No. 2, June 1974, pp. 244-258.

“The Short-Run Shifting of the Corporate Income Tax: A Theoretical Investigation,”  
(with  
Jon Cauley), *Public Finance*, Volume 29, No. 1, 1974, pp. 19-35.

“A General Class of Production Functions with Nonlinear Isoclines: Comment,” (with A. Swimmer), *Southern Economic Journal*, Volume 41, No. 2, October 1974, pp. 307-308.

“Public Goods Theory: Another Paradigm for Futures Research,” (with Jon Cauley), *Futures*, Volume 6, No. 5, October 1974, pp. 423-428.

“Pareto Optimality, Pure Public Goods, Impure Public Goods, and Multiregional Spillovers,”  
*Scottish Journal of Political Economy*, Volume 22, No. 1, February 1975, pp. 25-38.



“The Economic Theory of Alliances: Realigned,” in C. Liske, W. Loehr, J. McCamant (eds.), *Comparative Public Policy: Issues, Theories, and Methods*. (New York: John Wiley & Sons, 1975), pp. 223-239.

“Devaluation, Capital Flows and the Balance of Payments: A Reply,” *Weltwirtschaftliches Archiv.*, Vol. 111, No. 1, March 1975, pp. 162-163.

“On the Economic Theory of Alliances,” (with Jon Cauley), *Journal of Conflict Resolution*, Vol. 19, No. 2, June 1975, pp. 330-348.

“The Challenge of Property Rights,” *Futures*, Vol. 7, No. 6, December 1975, pp. 523-525.

“Intertemporal and Intergenerational Pareto Efficiency,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 2, No. 3, 1976, pp. 151-159.

“Fiscal Federalism, Spillovers, and the Export of Taxes: Reply,” (with Robert Shelton), *Kyklos*, Vol. 29, No. 2, 1976, pp. 315-316.

“Multiregional Public Goods, Spillovers and the New Theory of Consumption,” (with Jon Cauley), *Public Finance*, Vol. 31, No. 3, 1976, pp. 376-395.

“The Externality Argument for In-Kind Transfers: A Defense,” (with Ryan Amacher), *Kyklos*, Vol. 30, No. 2, 1977, pp. 293-296.

“The Design of Supranational Structures: An Economic Perspective,” (with Jon Cauley), *International Studies Quarterly*, Vol. 21, No. 2, June 1977, pp. 251-276.

“Intertemporal and Intergenerational Pareto Efficiency Revisited,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 4, No. 3, September 1977, pp. 252-257.

“Impurity of Defense: An Application to the Economics of Alliances,” *Kyklos*, Vol. 30, No. 3, 1977, pp. 443-460.

“The Properties and Generation of Homothetic Production Functions: A Synthesis,” (with A. Swimmer), *Journal of Economic Theory*, Vol. 18, No. 2, August 1978, pp. 349-361.

“Interregional and Intergenerational Spillover Awareness,” *Scottish Journal of Political Economy*, Vol. 25, No. 3, November 1978, pp. 273-284.

“Public Goods and the Theory of Second Best,” *Public Finance*, Vol. 33, No. 3, 1978, pp. 330-344.

“A Hierarchical Theory of the Firm,” (with Jon Cauley), *Scottish Journal of Political Economy*, Vol. 27, No. 1, February 1980, pp. 17-29.

“Burden Sharing, Strategy, and the Design of NATO,” (with John Forbes), *Economic Inquiry*, Vol. 18, No. 3, July 1980, pp. 425-444. Republished in James M. Buchanan and Robert D. Tollison (eds.), *Theory of Public Choice - II* (Ann Arbor, MI: University of Michigan Press, 1984), pp. 338-357.

“In Defense of a Collective Goods Theory of Alliances,” (with Jon Cauley and John Forbes), *Journal of Conflict Resolution*, Vol. 24, No. 3, September 1980, pp. 537-547.

“A General Theory of Interpersonal Exchange,” (with Jon Cauley), *Public Choice*, Vol. 35, No. 5, 1980, pp. 587-606.

“The Economic Theory of Clubs: An Evaluative Survey,” (with John Tschirhart), *Journal of Economic Literature*, Vol. 18, No. 4, December 1980, pp. 1481-1521.

“The Economics of Outer Space,” (with William Schulze), *Natural Resources Journal*, Vol. 21, No. 2, April 1981, pp. 371-393.

“On the Number and Membership Size of Consumer-Managed Firms,” (with John Tschirhart), *Southern Economic Journal*, Vol. 47, No. 4, April 1981, pp. 1086-1091.

“The Social Rate of Discount for Nuclear Waste Storage: Economics or Ethics?” (with William Schulze, David Brookshire), *Natural Resources Journal*, Vol. 21, No. 4, October 1981, pp. 811-832.

“A Theory of Intergenerational Clubs,” *Economic Inquiry*, Vol. 20, No. 2, April 1982, pp. 191-208.

“A Theoretical and Empirical Analysis of NATO,” (with James Murdoch), *Journal of Conflict Resolution*, Vol. 26, No. 2, June 1982, pp. 237-263.

“Joint Products and Multijurisdictional Spillovers,” (with A. J. Culyer), *Quarterly Journal of Economics*, Vol. 97, No. 4, November 1982, pp. 707-716.

“Intertemporal and Intergenerational Pareto Efficiency: A Reconsideration of Recent Extensions,” (with V. Kerry Smith), *Journal of Environmental Economics and Management*, Vol. 9, No. 4, December 1982, pp. 361-365.

“Joint Products and Interjurisdictional Spillovers: Some Public Goods Geometry,” (with A.

J. Culyer), *Kyklos*, Vol. 35, No. 4, 1982, pp. 702-709.

“A Theoretical Analysis of Transnational Terrorism,” (with John Tschirhart and Jon Cauley),

*American Political Science Review*, Vol. 77, No. 1, March 1983, pp. 36-54. Republished in Rosemary O’Kane (ed.), *Terrorism* (Northampton, MA: Edward Elgar, 2005), pp. 444

462.

“Toward a Unified Theory of Nonmarket Institutional Structures,” (with Jon Cauley and John Tschirhart), *Australian Economic Papers*, Vol. 42, June 1983, pp. 233-254.

“On Commons and Tragedies,” (with Richard Cornes), *American Economic Review*, Vol. 73, No. 4, September 1983, pp. 787-792.

“Club Optimality: Further Clarifications,” *Economics Letters*, Vol. 14, No. 1, 1984, pp. 61-65.

“The Theory of Public Goods: Non-Nash Behavior,” (with Richard Cornes), *Journal of Public Economics*, Vol. 23, No. 3, April 1984, pp. 367-379.

“Mixed Clubs: Further Observations,” (with John Tschirhart), *Journal of Public Economics*, Vol. 23, No. 3, April 1984, pp. 381-389.

“Intertemporal Incentive Allocation in Simple Hierarchies,” (with David Nickerson), *Mathematical Social Sciences*, Vol. 7, No. 1, 1984, pp. 33-57.

“Easy Riders, Joint Production, and Public Goods,” (with Richard Cornes), *Economic Journal*, Vol. 94, No. 3, September 1984, pp. 580-598.

“Complementarity, Free Riding, and the Military Expenditures of NATO Allies,” (with James Murdoch), *Journal of Public Economics*, Vol. 25, No. 1-2, November 1984, pp. 83-101. Republished in Larry Neal (ed.), *The International Library of Macroeconomics and Financial History: War Finance*, Vol. 3 (Cheltenham, UK: Edward Elgar, 1994), pp. 539-557.

“The Simple Analytics of Pure Public Good Provision,” (with Richard Cornes), *Economica*, Vol. 52, No. 1, February 1985, pp. 103-116.

“Externalities, Expectations, and Pigouvian Taxes,” (with Richard Cornes), *Journal of Environmental Economics and Management*, Vol. 12, No. 1, March 1985, pp. 1-13.

“On the Consistency of Conjectures with Public Goods,” (with Richard Cornes), *Journal of Public Economics*, Vol. 25, No. 1, June 1985, pp. 125-129.

“Australian Demand for Military Expenditures: 1961-1979,” (with James Murdoch), *Australian Economic Papers*, Vol. 44, June 1985, pp. 142-153.

“Uncertainty and Clubs,” (with Fred Sterbenz and John Tschirhart), *Economica*, Vol. 52, No. 4, November 1985, pp. 467-477.

“Joint Supply and the Finance of Charitable Activity,” (with John Posnett), *Public Finance Quarterly*, Vol. 14, No. 2, April 1986, pp. 209-222.

“The Commons and the Optimal Number of Firms,” (with Richard Cornes and Charles Mason), *Quarterly Journal of Economics*, Vol. 101, No. 3, August 1986, pp. 641-646.

“The Political Economy of Scandinavian Neutrality,” (with James Murdoch), *Scandinavian Journal of Economics*, Vol. 88, No. 4, November 1986, pp. 583-603.

“Nonmarket Institutional Structures: Conjectures, Distribution, and Efficiency,” (with Jon Cauley and Richard Cornes), *Public Finance*, Vol. 41, No. 2, 1986, pp. 153-172.

“Terrorist Success in Hostage-Taking Incidents: An Empirical Study,” (with John Scott), *Journal of Conflict Resolution*, Vol. 31, No. 1, March 1987, pp. 35-53.

“Terrorism in a Bargaining Framework,” (with Scott Atkinson and John Tschirhart), *Journal of Law and Economics*, Vol. 30, No. 1, April 1987, pp. 1-21. Republished in Isaac Ehrlich and Zhiqiang Liu, *The Economics of Crime* (Northampton, MA: Edward Elgar, 2006).

“Cycles and Substitutions in Terrorist Activities: A Spectral Approach,” (with Eric Iksoon Im and Jon Cauley), *Kyklos*, Vol. 40, No. 2, 1987, pp. 238-255.

“On Optimal Prices and Animal Consumers in Congested Markets,” *Economic Inquiry*, Vol. 25, No. 4, October 1987, pp. 715-720.

“Free Riding and Uncertainty,” (with Frederic Sterbenz and John Posnett), *European Economic Review*, Vol. 31, No. 8, December 1987, pp. 1605-1617.

“Expectations, the Commons, and Optimal Group Size,” (with Charles Mason and Richard Cornes), *Journal of Environmental Economics and Management*, Vol. 15, No.1, March 1988, pp. 99-110.

“Sharing Burdens in NATO,” *Challenge*, Vol. 31, No. 2, March/April 1988, pp. 29-35.

“To Bargain or Not to Bargain: That Is the Question,” (with Harvey Lapan), *American Economic Review*, Vol. 78, No. 2, May 1988, pp. 16-21.

“The Calculus of Dissent: An Analysis of Terrorists' Choice of Targets,” (with Harvey Lapan), *Synthese*, Vol. 76, No. 2, August 1988, pp. 245-261.

“Fighting World War III: A Suggested Strategy,” (with Jon Cauley), *Terrorism: An International Journal*, Vol. 11, No. 3, Fall 1988, pp. 181-195.

“Transfers, Transaction Costs, and Charitable Intermediaries,” (with John Posnett), *International Review of Law and Economics*, Vol 8, No. 4, December 1988, pp. 145-160.

“Externalities, Pigouvian Corrections, and Risk Attitudes,” (with Frederic Sterbenz), *Journal*

of Environmental Economics and Management, Vol. 15, No. 4, December 1988, pp. 488-504.

“On the Optimal Retaliation Against Terrorists: The Paid-Rider Option,” (with Dwight Lee)  
Public Choice, Vol. 61, No. 2, 1989, pp. 141-152.

“Public Goods, Growth, and Welfare,” (with Richard Cornes) Social Choice and Welfare, Vol. 6, No. 3, July 1989, pp. 243-251.



“Demand for Charity Donations in Private Non-Profit Markets: The Case of the U.K.” (with John Posnett), *Journal of Public Economics*, Vol. 40, No. 2, November 1989, pp. 187-200.

“On Distinguishing the Behavior of Nuclear and Non-Nuclear Allies in NATO,” (with Laurna Hansen and James Murdoch), *Defence Economics*, Vol. 1, No. 1, January 1990, pp. 37-55.

“Harvest Uncertainty and the Tragedy of the Commons,” (with Frederic Sterbenz), *Journal of Environmental Economics and Management*, Vol. 18, No. 2, March 1990, pp. 155-167.

“U.N. Conventions, Technology, and Retaliation in the Fight Against Terrorism: An Econometric Evaluation,” (with Walter Enders and Jon Cauley), *Terrorism and Political Violence*, Vol. 2, No. 1, Spring 1990, 83-105.

“A Diagrammatic Approach for Teaching Some Aspects of Production-Cost Duality,” *Studies in Economic Analysis*, Vol. 12, No. 2, Fall 1990, pp. 32-42.

“Nash-Cournot or Lindahl Behavior? An Empirical Test for the NATO Allies,” (with James Murdoch), *Quarterly Journal of Economics*, Vol. 105, No. 4, November 1990, pp. 875

894.

“The Triple Entente and the Triple Alliance, 1890-1914: A Collective Goods Approach,” (with John A. C. Conybeare) *American Political Science Review*, Vol. 84, No. 4, December 1990, pp. 1197-1206.

“Assessing the Impact of Terrorist-Thwarting Policies: An Intervention Time Series Approach,” (with Walter Enders and Jon Cauley), *Defence Economics*, Vol. 2, No. 1, December 1990, pp. 1-18.

“Economic Analysis Can Help Fight International Terrorism,” (with Walter Enders and Harvey Lapan), *Challenge*, Vol. 34, No. 1, January/February 1991, pp. 10-17. Republished in Bernard Schechterman and Martin Slann (eds.), *Violence and Terrorism*, Annual Editions, Third Edition (Sluice Dock, CT: Dushkin Publishing Group, 1993), pp. 192-199.

“The Private Provision of Public Goods: A Perspective on Neutrality,” (with John Posnett), *Public Finance Quarterly*, Vol. 19, No. 1, January 1991, pp. 22-42.

“The Causality Between Transnational Terrorism and Tourism: The Case of Spain,”  
(with  
Walter Enders), *Terrorism: An International Journal*, Vol. 14, No. 1, January-March  
1991, pp. 49-58.

“NATO Burden Sharing and the Forces of Change: Further Observations,” (with James  
Murdoch), *International Studies Quarterly*, Vol. 35, No. 1, March 1991, pp. 109-114.

“An Econometric Technique for Comparing Median Voter and Oligarchy Choice Models of Collective Action: The Case of the NATO Alliance,” (with James Murdoch and Laurina Hansen), *Review of Economics and Statistics*, Vol. 73, No. 4, November 1991, pp. 624

631.

“Sharing Among Clubs: A Club of Clubs Theory,” (with Frederic Sterbenz), *Oxford Economic Papers*, Vol. 44, No. 1, January 1992, pp. 1-19.

“Agency Theory and the Chinese Enterprise Under Reform,” (with Jon Cauley), *China Economic Review*, Vol. 3, No. 1, Spring 1992, pp. 39-56. Republished in Chinese in *Economic Science*, No. 3, 1993, pp. 47-56.

“After the Cold War, Secure the Global Commons,” *Challenge*, Vol. 35, No. 4, July/August 1992, pp. 16-23.

“Controlling Stock Externalities: Flexible Versus Inflexible Pigovian Corrections,” (with Dong Ko and Harvey Lapan), *European Economic Review*, Vol. 36, No. 6, August 1992, pp. 1263-1276.

“A Time-Series Analysis of Transnational Terrorism: Trends and Cycles,” (with Walter Enders and Gerald Parise), *Defence Economics*, Vol. 3, No. 4, November 1992, pp. 305

320.

“An Econometric Analysis of the Impact of Terrorism on Tourism,” (with Walter Enders and Gerald Parise), *Kyklos*, Vol. 45, No. 4, 1992, pp. 531-554.

“Tropical Deforestation: Markets and Market Failures,” *Land Economics*, Vol. 69, No. 3, August 1993, pp. 225-233.

“Multiproduct Clubs: Membership and Sustainability,” (with John Tschirhart), *Public Finance*, Vol. 48, No. 2, 1993, pp. 153-170.

“The Economic Theory of Alliances: A Survey,” *Journal of Conflict Resolution*, Vol. 37, No. 3, September 1993, pp. 446-483.

“Terrorism and Signalling,” (with Harvey E. Lapan), *European Journal of Political Economy*, Vol. 9, No. 3, 1993, pp. 383-397.

“State-Sponsored Violence As a Tragedy of the Commons: England's Privateering Wars

with France and Spain, 1625-1630,” (with John A. C. Conybeare), *Public Choice*, Vol. 77, No. 4, December 1993, pp. 879-897.

“The Effectiveness of Anti-Terrorism Policies: A VAR-Intervention Analysis,” (with Walter Enders), *American Political Science Review*, Vol. 87, No. 4, December 1993, pp. 829

844. An abbreviated version was republished in *Terrorism, Violence, and Insurrections*, Vol. 11, No. 3, Summer 1995, pp. 1-5. Republished in *War on Terrorism*, edited by Alan O’Day (Aldershot, UK: Ashgate, 2004), pp. 401-416.

“Rent Seeking and Pesticide Legislation,” (with Sherry Wise), *Public Choice*, Vol. 78, No. 34, March 1994, pp. 329-350.

“Agricultural Research Expenditures in the U.S.: A Public Goods Perspective,” (with Jyoti Khanna and Wallace Huffman), *Review of Economics and Statistics*, Vol. 76, No. 2, May 1994, pp. 267-277.

“The Comparative Static Properties of the Impure Public Good Model,” (with Richard Cornes), *Journal of Public Economics*, Vol. 54, No. 3, July 1994, pp. 403-421.

“Are Public Goods Myths?,” (with Richard Cornes) *Journal of Theoretical Politics*, Vol. 6, No. 3, 1994, pp. 369-385.

“Alternative Collective-Goods Models of Military Alliances: Theory and Empirics,” (with John A. C. Conybeare and James Murdoch), *Economic Inquiry*, Vol. 32, No. 4, October 1994, pp. 525-542.

“Growth and Defense: Pooled Estimates for the NATO Alliance, 1951-1988,” (with Elizabeth S. Macnair, James C. Murdoch and Chung-Ron Pi), *Southern Economic Journal*, Vol. 61, No. 3, January 1995, pp. 846-860.

“Charity Donations in the U.K.: New Evidence Based on Panel Data,” (with Jyoti Khanna and John Posnett), *Journal of Public Economics*, Vol. 56, No. 2, February 1995, pp. 257

272. Republished in *The Economics of Nonprofit Enterprises* edited by Richard Steinberg (Northampton, MA: Edward Elgar, 2005).

“Privateering, State-Sponsored Violence as a Tragedy of the Commons: A Reply,” (with John A. C. Conybeare), *Public Choice*, Vol. 82, No. 3-4, March 1995, pp. 363-364.

“Management of Transnational Commons: Coordination, Publicness, and Treaty Formation,” (with Keith Sargent), *Land Economics*, Vol. 71, No. 2, May 1995, pp. 145-162. Republished in *Governing the Global Environment* edited by Carlo Carraro (Cheltenham, UK: Edward Elgar, 2003).

“On the Relationship between Democracy and Terrorism,” *Terrorism and Political Violence*, Vol. 7, No. 4, Winter 1995, pp. 1-9.

“NATO Burden Sharing: 1960-1992,” (with Jyoti Khanna), *Defence and Peace Economics*,  
Vol. 7, No. 2, May 1996, pp. 115-133.

“A Game-Theoretic Analysis of Carbon Emissions,” in Roger Congleton (ed.), *The Political Economy of Environmental Protection: Analysis and Evidence* (Ann Arbor: University of Michigan Press, 1996), pp. 251-272.

“Terrorism and Foreign Direct Investment in Spain and Greece,” (with Walter Enders), *Kyklos*, Vol. 49, No. 3, 1996, pp. 331-352.

“A Multiproduct Club Approach to Transportation Infrastructure Pricing,” (with Michael A. Lipsman), *Public Finance*, Vol. 51, No. 4, Supplement 1996, pp. 453-472.

“The Voluntary Provision of a Pure Public Good: The Case of Reduced CFC Emissions and the Montreal Protocol,” (with James C. Murdoch), *Journal of Public Economics*, Vol. 63, No. 2, February 1997, pp. 331-349. Republished in *The Political Economy of Environmental Regulation* edited by Robert N. Stavins (Northampton, MA: Edward Elgar, 2004).

“Voluntary Cutbacks and Pre-Treaty Behavior: The Helsinki Protocol and Sulfur Emissions,” (with James C. Murdoch), *Public Finance Review*, Vol. 25, No. 2, March 1997, pp. 139-162.

“Conscription, Peacekeeping, and Foreign Assistance: NATO Burden Sharing in the Post-Cold War Era,” (with Jyoti Khanna), *Defence and Peace Economics*, Vol. 8, No. 1, March 1997, pp. 101-121.

“The Impact of Defense and Nondefense Public Spending on Growth in Asia and Latin America,” (with James C. Murdoch and Chung-Ron Pi), *Defence and Peace Economics*, Vol. 8, No. 2, April 1997, pp. 205-224.

“A Tale of Two Collectives: Sulfur Versus Nitrogen Oxides Emission Reduction in Europe,” (with James C. Murdoch and Keith Sargent), *Economica*, Vol. 64, No. 2, May 1997, pp. 281-301.

“Collective Action and Tropical Deforestation,” *International Journal of Social Economics*, Vol. 24, No. 7-9, 1997, pp. 741-760.

“The Future Challenges of NATO: An Economic Viewpoint,” *Defence and Peace Economics*, Vol. 8, No. 4, November 1997, pp. 319-353.

“Club Theory: Thirty Years Later,” (with John Tschirhart), *Public Choice*, Vol. 93, No.3-4, December 1997, pp. 335-355.

“The Intergenerational Case of Missing Markets and Missing Voters,” (with Jacobus A. Doeleman), *Land Economics*, Vol. 74, No. 1, February 1998, pp. 1-15.

“Sharing the Financial Burden for UN and NATO Peacekeeping: 1976-96,” (with Jyoti Khanna and Hirofumi Shimizu), *Journal of Conflict Resolution*, Vol. 42, No. 2, April 1998, pp. 176-195.

“When Does Partial Cooperation Pay?,” (with Wolfgang Buchholz and Christian Haslbeck),

Finanzarchiv, Vol. 55, No. 1, 1998, pp. 1-20.

“Global and Regional Public Goods: A Prognosis for Collective Action,” *Fiscal Studies*, Vol. 19, No. 3, August 1998, pp. 221-247.

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- Executive Board Member of Economists Allied Against the Arms Race (ECAAR), Israel Section, 1994 on.

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- Co-editor of Journal of Conflict Resolution for the June 1982 issue.

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- Reviewer for NSF, major economics journals, and major political science journals.

DISSERTATIONS DIRECTED:

Murdoch, James. "Contribution to the Economics of Military Alliances," defended in October 1982. He is professor of economics at University of Texas-Dallas.

Sepassi, Reza. "A Contribution to the Theory of Clubs," defended in January 1983.

Ko, Il-Dong. "Issues in the Control of Stock Externality Problems with Inflexible Policy Measures," defended on September 1988 (received Research Excellence Award from ISU). He is a research fellow at Korea Development Institute.

Khanna, Jyoti. "Theory and Econometric Analysis of State Government Demand for Public Agricultural Research," defended on February 28, 1990. She is an associate professor of economics at Colgate University.

Wise, Sherry. "Rent-Seeking in Pesticide Policy," defended on June 2, 1991. She is an economic analyst at the Environmental Protection Agency, Washington, DC.

Lipsman, Michael. "A Theory of Transportation Clubs with Special Application to the Domestic Aviation System," defended on November 9, 1994. He is an economic analyst at Iowa Legislative Fiscal Bureau, State Capital, Des Moines.



Sargent, Keith. "A Spatial Econometric Model for Transboundary Air Pollution Control Treaties: An Analysis of Noncooperative International Behavior," defended on March 26, 1997. He is an economic analyst at the Environmental Protection Agency, Washington, DC.

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Shimizu, Hirofumi. "UN Peacekeeping as a Public Good: Analyses of the UN Member States' Peacekeeping Financial Contribution Behavior," defended on August 13, 1999. He is an Assistant Professor at the National Defense Academy in Japan.

Yang, Chia-yen. "The Institutional Choice of Public Good Provision," defended on March 29, 2000.

McCulloch, Russel. "Impure Thoughts of Charitable Giving," defended on January 24, 2003.

Mascarenhas, Raechelle, "An Empirical Analysis of Foreign Aid and the Provision of International Public Goods," defended June 6, 2005. She is an assistant professor at Whitman College, Walla Walla, WA.

Ivanova, Kate, "Corruption, Rule of Law and International Interaction in Environment Pollution and CBRN Terrorism," defended June 28, 2006. She is an assistant professor at The Ohio State University at Newark. Awarded honorable mention as best dissertation for 2006 at USC College of Liberal Arts and Sciences.

#### MASTERS DIRECTED:

Hansen, Laurna. "Conventional Versus Strategic Expenditures in NATO: A Public Goods Approach," defended on June 28, 1988 (received Research Excellence Award from ISU). She is a research associate at the Sandia National Laboratory, Livermore, CA.

Tanner, Thomas Cole. "The Spatial Theory of Elections: An Analysis of Voters' Predictive Dimensions and Recovery of the Underlying Issue Space," defended on April 12, 1994 (received a Research Excellence Award from ISU).

Holland, Stephen P. "Some Economic Policies for Ameliorating the Tragedy of the Commons," defended on May 13, 1994. He received a fellowship as a Ph.D. student in economics at University of Michigan.

Twait, Christine. "Determining the Barriers to Small Business Pollution Prevention,"

defended on April 19, 1995 (received a Research Excellence Award from ISU). She is a grant coordinator in the Business College, University of Northern Iowa, Waterloo, IA.

Kondo, Masahiro. "Theoretical and Empirical Analysis of Military Expenditures of Japan, South Korea, and North Korea," defended on May 6, 1998.

Alonso, Julio C. "Narcotraffic, Guerrilla Warfare, and Antinarcotics Foreign Aid," defended

on July 5, 2000.

CONSULTANCY:

1980 on Consultant to book publishers

1984-1999 Consultant for James Savarese & Associates, a division of Ogilvy & Mather, Public Relations Firm.

October 1983 to Consultant on "The Economics of Defense in 1980s," A October 1984 grant given by the Office of Net Assessment, Department of Defense. Principal investigator in charge of the assessment of the U.K., France, and West German's future in NATO. Project coordinator was David Denoon, New York University.

Summer 1987 Consultant with David Denoon, James Murdoch on a project for U.S. Department of Defense.

September 1990-96 Consultant for Institute of Defense Analyses, Alexandria, VA.

1998-99, 2001-05 Consultant and author for Global Public Goods Projects for UN Development Program.

1999 Author of paper for a project, Market Augmenting Governance, IRIS, University of Maryland.

1999 Project on reforming foreign assistance for Overseas Development Council.

1999-2002, 2005 Consultant for World Bank on various projects.

2001 Author of paper for a project on Health-Promoting Global Public Goods, Institute for Global Health, University of California at San Francisco.

2002 Consultant for Inter-American Development Bank on projects on Regional Public Goods

2004-2005 Consultant for the International Task Force for Global Public Goods, Stockholm, Sweden.

2006-2007 Senior advisor on global public goods for UNIDO, Geneva, Switzerland.

