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### EDUCATION

Ph.D. Economics, Harvard University, 1975  
B.A. Mathematics and Economics, Swarthmore College, 1967

### EMPLOYMENT

2007- Joint appointment: Continuing at GDAE (see below), and Senior Economist,  
Stockholm Environment Institute-US Center  
1995- Tufts University, Medford, MA.  
Director of the Research and Policy Program at the Global Development and  
Environment Institute (GDAE)  
Research Professor, Department of Urban and Environmental Policy and Planning  
  
1985-95 Tellus Institute, Boston MA. Senior Economist.  
1984-85 Visiting Assistant Professor of Economics, University of Massachusetts - Boston  
1982-83 Visiting Assistant Professor of Economics, University of Massachusetts - Amherst  
1974-82 Editor and business manager, *Dollars and Sense* magazine, Somerville MA

### SELECTED BOOKS

*Can We Afford the Future? Economics for a Warming World* (London: Zed Books, 2009).

*Poisoned for Pennies: The Economics of Toxics and Precaution* (Washington DC: Island Press, 2008).

*Priceless: On Knowing the Price of Everything and the Value of Nothing*, with Lisa Heinzerling (New York: The New Press, 2004).

*The Flawed Foundations of General Equilibrium: Critical Essays on Economic Theory*, with Alejandro Nadal (London: Routledge, 2004).

*Microeconomics in Context*, with Neva Goodwin, Julie A. Nelson, and Thomas Weisskopf (Russian edition, Moscow, 2002; Vietnamese edition, Hanoi, 2002; English edition, New York: Houghton Mifflin, 2005).

*The Political Economy of Inequality*, edited with Neva Goodwin, Laurie Dougherty, and Kevin Gallagher (Washington: Island Press, 2000).

*The Changing Nature of Work*, edited with Neva Goodwin, Laurie Dougherty, and Kevin Gallagher (Washington: Island Press, 1998).

*Why Do We Recycle? Markets, Values, and Public Policy* (Washington DC: Island Press, 1997).

## BOOK CHAPTERS

“Wrong in retrospect: cost-benefit analysis of past successes,” with Lisa Heinzerling and Rachel I. Massey, in Jon D. Erickson and John M. Gowdy, eds., *Frontiers in Ecological Economic Theory and Application* (Cheltenham, UK: Edward Elgar 2007)

“Waste, Recycling, and Climate Change: US Perspective,” in Velma Grover et al., eds., *Recovering Energy From Waste* (Enfield, New Hampshire: Science Publishers, 2002)

“Getting the Prices Wrong: The Limits of Market-Based Environmental Policy,” with Kevin Gallagher, in T. Swartz and F. Bonello, eds., *Taking Sides: Clashing Views on Controversial Economic Issues* (New York: McGraw Hill, 2001)

“Trade Liberalization and Pollution Intensive Industry in Developing Countries: A Partial Equilibrium Approach,” with Kevin Gallagher, in Dale Andrews, ed., *Methodologies for Environmental Assessments of Trade Liberalization Agreements* (Paris: OECD Press, 2000)

## SELECTED ARTICLES

“Looks Can Be Deceiving: Measuring the Benefits of Trade Liberalization,” with Kevin Gallagher, 2008, forthcoming in *International Journal of Political Economy*.

“Hot, It’s Not: Reflections on *Cool It*, by Bjorn Lomborg,” 2008, *Climatic Change* vol. 89 no. 3-4, 435-446.

“A comment on ‘Economy-wide estimates of the implications of climate change: Human health,’” with Elizabeth A. Stanton, *Ecological Economics* vol. 66 no. 1, May 2008, 8-13.

“Modeling Uncertainty: The US Response to BSE,” with Wendy Johncheck, *New Solutions* vol. 18 no. 2, 2008, 145-156.

“Implications of REACH for Developing Countries,” with Elizabeth A. Stanton, Brian Roach, and Anne-Sofie Andersson, *European Environment* vol. 18 no. 1, January-February 2008, 16-29.

“The Economics of Atrazine,” *International Journal of Occupational and Environmental Health*, vol. 13 no. 4, October 2007, 441-449.

“Law and Economics for a Warming World,” with Lisa Heinzerling, *Harvard Law and Policy Review*, vol. 1 no. 2, 2007, 331-362.

[“Wasting Away in Paretoville: A Reply to Cass Sunstein,”](#) with Lisa Heinzerling, *Harvard Law and Policy Review*, vol. 1 no. 2, 2007, 363-370.

[“The Carbon Content of Japan-US Trade,”](#) with Masanobu Ishikawa and Mikio Suga, *Energy Policy*, vol. 35 no. 9, September 2007, 4455 - 4462

[“European Chemical Policy and the United States: The Impacts of REACH,”](#) with Elizabeth A. Stanton and Rachel Massey, *Renewable Resources Journal*, vol. 25 no.1, 2007.

[“The Economics of Inaction on Climate Change: a Sensitivity Analysis,”](#) with Ian Finlayson, *Climate Policy*, vol. 6 no. 5, 2006, 509 - 526.

[“The Unbearable Lightness of Regulatory Costs,”](#) *Fordham Urban Law Journal*, May 2006.

[“The Shrinking Gains from Trade: a Critical Assessment of Doha Round Projections,”](#) GDAE Working Paper 05-01, 2005. Published as “Assessing the Effects of Trade Liberalization: A Critical Examination” [in Italian], *Rivista dell’Associazione Rossi-Doria* no. 3, 2006.

[“Applying Cost-Benefit to Past Decisions: Was Environmental Protection Ever a Good Idea?”](#), with Lisa Heinzerling and Rachel Massey, *Administrative Law Review* vol. 57, no. 1, 2005. Reprinted, as one of the ten best environmental and land use law review articles of 2005, in *Land Use & Environmental Law Review*, 2006.

[“Material Flows for a Sustainable City,”](#) *International Review for Environmental Strategies* (a Japanese academic journal, published in English), vol. 5 no. 2, 2005.

[“The Ripple Effect,”](#) an op-ed article about REACH published in *Parliament Magazine*, a magazine from Brussels (in English), April 2005.

[“Morality, Cost-Benefit, and the Price of Life,”](#) The Environmental Law Institute, 2004. Reprinted by Permission from *The Environmental Forum*, September/October, 2004.

[Review of The Economics of Waste,](#) by Richard Porter, *Ecological Economics* vol. 49 no. 1, May 2004, 113-114.

[“The Outer Bounds of the Possible: Economic Theory, Precaution, and Dioxin,”](#) *Organohalogen Compounds* 65, 2003, 378-81.

[“Pricing the Priceless: Cost-Benefit Analysis of Environmental Protection,”](#) with Lisa Heinzerling, *University of Pennsylvania Law Review*, vol. 150 no. 5, May 2002. Reprinted, as one of the ten best environmental and land use law review articles of 2002, in *Land Use & Environmental Law Review*, 2003.

[“Mixed Signals: Market Incentives, Recycling and the Price Spike of 1995,”](#) with Kevin Gallagher, *Resources, Conservation, and Recycling*, vol. 35 no. 4, June 2002.

[“Still Dead After All These Years: Interpreting the Failure of General Equilibrium Theory,”](#) *Journal of Economic Methodology*, vol. 9 no. 2, July 2002.

[“Tree-Huggers No Longer!”](#), review of *The Skeptical Environmentalist* by Bjorn Lomborg, *The Nation*, March 25, 2002.

[“Is the United States a Pollution Haven?”](#), Americas Policy ([www.americaspolicy.org](http://www.americaspolicy.org)) and Foreign Policy in Focus ([www.fpif.org](http://www.fpif.org)), March 2002.

[“The Humbugs of the Anti-Regulatory Movement,”](#) with Lisa Heinzerling, Cornell Law Review vol. 87 no. 2, January 2002.

[“Waste in the Inner City: Asset or Assault?”](#), with Sumreen Mirza, Local Environment, May 2001.

[“Waste Management and Climate Change,”](#) *Local Environment*, May 2000.

[“Economic Theory and Climate Change Policy,”](#) with Irene Peters and Steve Bernow, *Energy Policy*, September 1999.

[“Grandfathering and Environmental Compatibility: The Costs of Cleaning Up the Clean Air Act,”](#) with Bruce Biewald, William Moomaw, Tim Woolf, and David White; *Energy Policy*, December 1999.

## **SELECTED REPORTS AND POLICY STUDIES**

[“The Caribbean and Climate Change: The Costs of Inaction,”](#) with Ramón Bueno, Cornelia Herzfeld, and Elizabeth A. Stanton, report to Environmental Defense Fund, 2008.

[“The Cost of Climate Change: What We’ll Pay if Global Warming Continues Unchecked,”](#) with Elizabeth A. Stanton, report to Natural Resources Defense Council, 2008.

[“Florida and Climate Change: The Costs of Inaction,”](#) with Elizabeth A. Stanton, report to Environmental Defense Fund, 2007.

Reports to Friends of the Earth England, Wales and Northern Ireland:

[“Critique of Cost-Benefit Analysis, and Alternative Approaches to Decision-Making,”](#) 2008.

[“Generated User Benefits and the Heathrow Expansion: Understanding Consumer Surplus,”](#) with Elizabeth A. Stanton, 2008.

[“Out of the Shadows: What’s Behind DEFRA’s New Approach to the Price of Carbon,”](#) with Elizabeth A. Stanton, 2008.

[“Debating Climate Economics: The Stern Review vs. Its Critics,”](#) 2007.

[“The Costs of Inaction on Climate Change,”](#) with Elizabeth A. Stanton, 2006.

[“Implications of REACH for Developing Countries,”](#) report to the European Parliament, 2006. (I was the lead author of a four-country research team.)

[“French Industry and Sustainable Chemistry,”](#) with Rachel Massey, report to Greenpeace France, 2005.

[“The True Costs of REACH,”](#) with Rachel Massey, report to Nordic Council of Ministers, 2004.

[“The Economics of Phasing Out PVC,”](#) with Rachel Massey, 2003.

[“Costs of Preventable Childhood Illness: The Price We Pay for Pollution,”](#) with Rachel Massey, report to Alliance for A Healthy Tomorrow, 2003.

[“Greenhouse Emissions From Waste Management: A Survey of Data Reported to the UN Framework Convention on Climate Change by Annex I Countries,”](#) with William Moomaw and Robin Taylor, report to United Nations Framework Convention on Climate Change, 2003.

Reports for the North American Council on Environmental Cooperation:

“Environmental Impacts of the Changes in US-Mexico Corn Trade Under NAFTA,” with Luke Ney, Kevin Gallagher, and Regina Flores, 2002.

“Economic Analysis of Environmental Reviews of Trade Agreements: Assessing the North American Experience,” with Kevin Gallagher and Luke Ney, 2002.

Contributing author to Intergovernmental Panel on Climate Change (IPCC), Third and Fourth Technical Assessment Reports, Working Group III, 2001 and 2007; involved in analysis of waste and climate change, and macroeconomic analysis of climate change costs and benefits.

"Recycling...for the Future: Consider the Benefits," White House Task Force on Recycling, 1999; on the White House website until January 2001. At EPA's request, I wrote the first draft of this joint interagency statement.

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