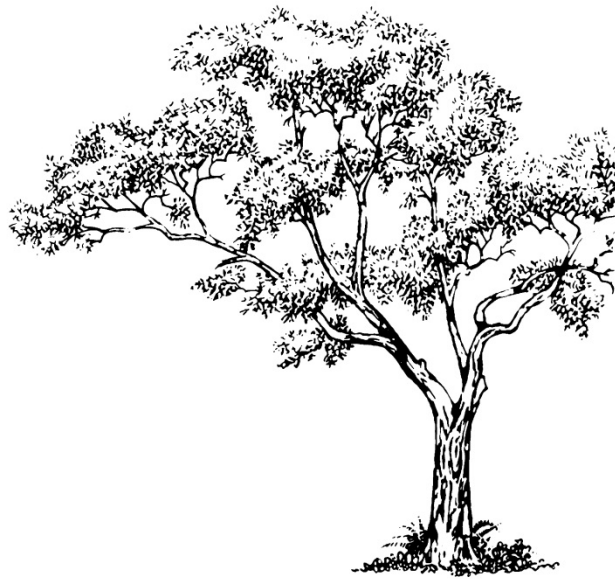


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HANDBOOK

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**An Early History of the Association of Environmental and
Resource Economists: 1970 - 1995**

**Based on an original memoir
by John V. Krutilla
(October 1994)**

**as modified and expanded to reflect
the comments of:**

**William J. Baumol
Emery N. Castle
Pierre R. Crosson
Ralph C. d'Arge
Allen V. Kneese
Joseph J. Seneca
and
Elizabeth A. Wilman**

**and information to be found in
"Activation of the Association of Environmental and Resource Economists,"
by John V. Krutilla,
Journal of Environmental Economics and Management, (vol. 7, no. 2)
June 1980**

**Compiled by Clifford S. Russell
(January 1995; Revised May 1995)**

The first stirrings of the life that eventually became AERE occurred in discussions between Larry Ruff, then a member of the Ford Foundation staff, and Terry Ferrar, then Director of the Environmental Policy Center at the Pennsylvania State University. They agreed that those then (mid-1970s) operating in the fairly new field of environmental economics should be consulted about the desirability of creating an association, the goals of which would include promoting intra- and interdisciplinary communication, increasing visibility, and assisting in communications with policymakers. Under Ferrar's leadership, a group of roughly twenty people gathered at the Allied Social Science Associations (ASSA) meetings in Dallas, Texas in December 1975, to discuss this notion. Perhaps not surprisingly there was general agreement that such an association would be desirable, and a study committee was created to explore the idea further. The members were Ferrar, John Cumberland (chair), Alan Carlin, Ralph C. d'Arge, and V. Kerry Smith. It was also decided at this first meeting to explore with Academic Press, Inc. the possibility of adopting the *Journal of Environmental Economics and Management (JEEM)* as the new association's journal. And, finally, the group agreed to request slots from the American Economic Association (AEA) for two sessions at the next meetings.

There was a second meeting of the still-informal group during the next ASSA meetings--in September 1976, in Atlantic City, New Jersey. The dozen or so in attendance agreed to proceed with steps

to formalize the association; William J. Baumol and Cumberland (whose committee report had helped the process along) took responsibility for drafting by-laws and a budget. It was also agreed that the association's name would reflect concern with natural resources per se as well as with environmental matters. Allen V. Kneese and d'Arge were appointed as a nominating committee and asked to produce a slate of officers. During the following fifteen months, the draft by-laws were circulated and ultimately agreed to. They laid out a system of governance quite like that in place today, except that the terms of president and vice-president have subsequently been extended from one to two years; and the positions of secretary and treasurer have effectively become of indefinite term instead of the original two-year renewable terms.

An informal but extensive search for nominees among interested economists was made by d'Arge, and it became obvious that Kneese and Baumol were the leading candidates. He contacted both about this result, but both initially declined to be considered, urging a slate of younger officers. After much cajoling and third party appeals, Kneese and Baumol reluctantly agreed to accept the nominations coincidentally for sequential terms, but appropriately, while standing adjacent to Trail Lake in the Jim Bridger Wilderness. The order of nominations was determined at that time by Baumol's insistence that Kneese become the first president. The new officers took over at the beginning of 1978 with Baumol slated to be president in 1979. During 1978, two other events occurred which breathed promise into what might otherwise have been a stillborn organization. First, Bill Pendleton, at the Ford Foundation at that time, let it be known he would be favorably disposed to making a grant of \$25,000 for start-up assistance. Second, the organizers were offered by Emery N. Castle, vice president of RFF at that time, "a couple of thousand dollars," also to help with the start up. The existence of these offers made it clear that the would-be AERE had to become a legal entity with 501(3)c status, otherwise neither grant could be made.

Krutilla called d'Arge, stating that RFF had made a commitment of "several thousand dollars" to start up the association, but that \$5,000 was needed immediately for legal fees to preserve the receipt of the Ford Foundation grant. D'Arge scrounged through research accounts and was able to find \$3,000 in unallocated and unrestricted funds. The \$3,000 was then sent to RFF to make up the \$5,000. (Deans and Provosts would never allow these uncaptured funds to exist today.)

The first step to this end was to get a corporate charter to operate in Washington, D.C. Krutilla's secretary, Virginia Reid, had experience in setting up a not-for-profit organization in D.C. and was asked to lend a hand (and brain, too). It turned out to be a very simple matter owing to Virginia's expertise. Armed with the document she prepared, Carlin, Cumberland, and Krutilla proceeded to the appropriate office in the D.C. government to incorporate AERE. Reid had obviously done a very competent job because the transaction at the relevant D.C. office took them only about thirty minutes, and cost about \$100.

Getting a legal identity was one thing. Running it by the Internal Revenue Service (IRS) to establish AERE's tax-exempt status was quite another. Castle was asked if he would authorize the use of RFF's law firm to draft the request for 501(3)c status. Most generously he did, and the law firm provided the new corporation with very exceptional expertise. Nevertheless, it took about a year to get the request framed to meet all of the IRS examiner's conditions.¹

In due course, in August of 1979, AERE got its 501(3)c status followed, in February, 1980, by a \$25,000 grant from Ford. The new association also received a \$5,000 grant from RFF, and \$3,000 from d'Arge's program, the Resource and Environmental Economics Laboratory, at the University of Wyoming.

¹ John Krutilla recalls of this process: "When it was all done, I sent the finished document to the IRS for final approval. It was returned to me because I was not a suitable officer. (There were no duties specified for the 'president-elect' in our articles of incorporation.) Being president-elect at the time, I was not an officer this IRS examiner could understand. So I sent the application in final form to Will Baumol to sign."

But the previous roughly \$2,000 in services obtained free from RFF's law firm was perhaps the most critical gift of all, because without it AERE would not have qualified for the Ford, RFF and d'Arge grants in timely fashion. (There was a change in the leadership at the Ford Foundation at about this time which would have greatly reduced chances of success had the grant application been any further delayed.)

In 1979, AERE also held its first official annual meeting with the ASSA in Atlanta, Georgia. During the AERE business meeting, those attending were polled to elect both officers and a board of directors. Krutilla was advanced to president for 1980, d'Arge to president-elect, Smith to vice president, and Elizabeth A. Wilman was elected secretary/treasurer.² This last choice began a tradition that continues today--having the working heart of AERE at Resources for the Future.³

There was a lot of official and unofficial correspondence to attend to during the first year, and AERE could not have had a more giving, conscientious, and competent secretary and treasurer than Liz. Fortunately, she had some banking experience in a previous life that left her with accounting skills and the grace to use them on AERE's behalf. This was exceedingly important in order to provide professional accounting to the IRS. Liz helped Virginia to set up a relevant set of accounts and taught her the necessary skill to do the bookkeeping, with Liz standing by until it became routine for Virginia. Further, there was a need to invest our \$33,000 nest egg wisely and to account for its use. Liz reviewed the risk/return possibilities and invested in Funds for Government Investors which paid 14% in that time of inflation, sufficient income to engage Virginia Reid parttime to organize a spanking new "going concern". All things considered, as Krutilla emphasizes, "Liz did a phenomenal amount of professional work, supplying necessary skills not otherwise available to AERE, and generally managed the affairs of AERE with sheer competence!"

Krutilla also recalls other details of the crucial year of his presidency:

"I canvassed the board and officers of AERE to empower me to set up an executive committee comprised of persons in the D.C. area who had strong interests in, and formal connection with, AERE. Some of the persons beside myself were: Allen Kneese, Bob Davis, Liz Wilman, Mordecai Schecter, and Alan Carlin [and Terry Ferrar].

The purpose of this committee was to review some of the actions I felt necessary to take to get off the ground and running. This provisional council provided a legitimacy for the actions I needed to take more promptly than canvassing the Board would permit. There

² As Allen V. Kneese noted in his comments on Krutilla's initial draft of this history: "I think that it comes through in the text, but I want to note that AERE might never have come into existence except for John's efforts. The steps Will Baumol and I tried to make were hindered by the great distance separating us and by the limited time either of us could devote to the enterprise. John took the bull by the horns and devoted all the time that was needed to make AERE a going concern. In this he had the able help of several people, which he so generously recognizes." Krutilla was recognized for his very substantial presidential contribution to AERE with a special citation. In scroll form the citation was presented to him at the 1981 Denver meeting of AERE. This has, so far, been the only special presidential citation given by AERE since its inception.

³ Emery N. Castle has opined: "The location of AERE's office at RFF may have been of greater importance to AERE than the financial help RFF provided. It is my impression this arrangement has worked well for both organizations. It is to RFF's benefit to have a strong professional organization in this field. And John Krutilla has indicated how AERE has benefited from the stability of an organizational home for AERE and the infrastructure RFF provided. While I was at RFF, I was under the impression the AERE people appreciated the arrangement, and displayed integrity in their conduct of AERE affairs with respect to RFF."

were two or three decisions to be made with reference to the letterhead for our official use. Being unable to propose international members for our board, owing to the necessity of having a quorum at board meetings, but wanting international ties, I suggested that we appoint a council of international correspondents to grace our letterhead. This was how the world came to know of our prestigious foreign and international connections, for example, Karl Göran Mäler, Geoffrey Heal, Partha Dasgupta, Mordecai Schecter, and Hirofumi Uzawa.”

It was also under John's leadership that the early moral support of Tjalling Koopmans was acknowledged by naming him "honorary president" for five years from 1979 to 1983.

No doubt the two most important actions of that year, however, were the initial membership drive and the initiation of discussions with Academic Press, Inc. about making *JEEM* the official journal of the association. The former enterprise was coordinated by Wilman and Virginia Reid, with John adding personal notes to those individuals he knew on the mailing lists being used (e.g., the AAEA). As reported by the 1981 president, d'Arge, in his "President's Message" in the inaugural *AERE Newsletter*, the effort resulted in AERE having 400 members by the end of 1980 and 575 by the end of June 1981.⁴

In the matter of *JEEM*, Krutilla, Wilman, and d'Arge went to New York to talk with the publishers of the journal with the eventual result we know today.⁵ The first issue that included the imprint of AERE, including a list of officers, was vol. 10, no. 3, of September 1983.

The other AERE publication, the *AERE Newsletter* just mentioned, was begun in 1981 by Baumol and Joseph J. Seneca, who jointly edited vol. 1, no. 1. Then, as now, the *AERE Newsletter* included policy essays, meeting announcements, calls for papers, new publications, research reports, and position announcements. It was, and is in a real sense, the one Olsonian private good with which AERE rewards its members, for anyone can subscribe to *JEEM*. (Why anyone would want to do so without joining AERE and obtaining the discount along with the newsletter, etc., is another question.)

Two other features of the current AERE also date from these early days: the workshops and the informal relationship with the AAEA. The first of these is generally recognized as Smith's idea and creation; with the indefatigable V.K. doing everything from raising the first, outside money (from the U.S. Environmental Protection Agency) to organizing at least the first couple of events.

The background of the AAEA link is murkier. Castle remembers the idea of joint AAEA/AERE meetings having been raised to him by "some RFF/AERE people". Pierre R. Crosson credits Ron Cummings, who was president in 1983. In any event, its major (only) manifestations are the sessions that AERE is credited with organizing at the AAEA summer meetings. It should be noted that these are not, as with the AEA, fixed in number in advance. But rather the AERE president submits proposals to the AAEA executive board, which is free to choose as few or as many as it desires. There is usually, and informally, an AERE representative at those board meetings.

⁴ It is interesting to note that d'Arge was predicting that AERE would ultimately have "at least 1000 members". Currently, according to Marilyn M. Voigt, the association's executive secretary since 1988, we have 800. But this is actually almost double the level reached during a trough of unexplained origin in the late 1980s.

⁵ *JEEM*, itself, began in 1974, so was already a comparatively venerable institution by 1980.

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Ronald G. Cummings
Georgia State University

REVIEW OF ENVIRONMENTAL ECONOMICS AND POLICY (REEP)

Editors

Spencer Banzhaf
North Carolina State University,
2023 – present

Catherine L. Kling
Iowa State University, 2018 – 2022

Carlo Carraro
University of Venice, 2015 – 2017

Charles D. Kolstad
University of California, Santa Barbara /
Stanford University, July 2009 – 2014

Robert N. Stavins
Harvard University, January 2007 – June 2009

Developmental Editor

Cyndi Berck
2023 – present

Suzanne Leonard
2007 – 2022

AERE NEWSLETTER

Editors

John B. Loomis
Colorado State University
1998 – 2017

Marilyn M. Voigt
Resources for the Future and AERE,
1988 – 2017

Jason Shogren
University of Wyoming, 1993 – 1997

Robert Mendelsohn
Yale University, 1990 – 1992

Joseph J. Seneca
Rutgers University
1980 – 1990

William J. Baumol
Princeton University, 1980

Assistant Editor

Kathleen Meaney Stobie
2006 – 2017

AWARDS

DISTINGUISHED SERVICE

Suzy Leonard – 2023
Jill Caviglia-Harris – 2022
Marilyn M. Voigt – 2007
Raymond Prince – 1995
Ronald G. Cummings – 1991
Pierre R. Crosson – 1990
V. Kerry Smith – 1989
John V. Krutill – 1987
Ralph C. d'Arge & Allen V. Kneese – 1986

AERE PRESIDENTIAL CITATION

John V. Krutilla – 1981

AERE FELLOWS

AERE instituted a new program in 2005. The individuals selected to receive the AERE Fellow Award have demonstrated a significant contribution to the advancement of the profession of environmental and resource economics.

2024

Maximilian Auffhammer, University of California, Berkeley
Paul Ferraro, Johns Hopkins University
John Whitehead, Appalachian State University

2023

Amy Ando, University of Illinois Urbana-Champaign
Catherine Wolfram, Massachusetts Institute of Technology

2022

Elena Irwin, Ohio State
Daniel J. Phaneuf, University of Wisconsin-Madison

2021

Dallas Burtraw, Resources for the Future
Christopher D. Timmins, Duke University

2020

William (Bill) Schulze, Cornell University
Laura Taylor, Georgia Tech University

2019

Vic Adamowicz, University of Alberta
Scott Barrett, Columbia University

2018

Kevin Boyle, Virginia Tech University
Michael Greenstone, University of Chicago
Karen L. Palmer, Resources for the Future

2017

Partha Dasgupta, University of Cambridge
Al McGartland, U.S. Environmental Protection Agency

2016

Due to a change in the timing of AERE's award ceremonies, no Fellows were inducted.

2015

Edward B. Barbier, University of Wyoming
Carlo Carraro, Fondazione Eni Enrico Mattei

2014

Don Fullerton, University of Illinois
Catherine L. Kling, Iowa State University

2013

Joseph A. Herriges, Iowa State University
Jason Shogren, University of Wyoming

2012

Lawrence H. Goulder, Stanford University
John B. Loomis, Colorado State University
Robert S. Pindyck, Massachusetts Institute of Technology

2011

Trudy Ann Cameron, University of Oregon
William D. Nordhaus, Yale University
Jim Wilen, University of California, Davis

2010

Alan P. Krupnick, Resources for the Future
Charles D. Kolstad, Stanford University
Stephen Polasky, University of Minnesota

2009

Richard T. Carson, UC San Diego
Charles D. Kolstad, Stanford University
Robert N. Stavins, Harvard University

2008

Thomas D. Crocker, University of Wyoming
A. Myrick Freeman III, Bowdoin College
Alan Randall, The Ohio State University

2007

Daniel W. Bromley, University of Wisconsin
Gardner M. Brown, Jr., University of Washington
Charles W. (Chuck) Howe, University of
Colorado, Boulder
Kenneth E. (Ted) McConnell, University of
Maryland
Segerson, Kathleen, University of Connecticut
David Zilberman, University of California,
Berkeley

2006

Richard C. Bishop, University of Wisconsin
Nancy E. Bockstael, University of Maryland
Ronald G. Cummings, Georgia State University
Anthony C. (Tony) Fisher, University of
California, Berkeley
Geoffrey M. Heal, Columbia University
Clifford S. (Cliff) Russell, Vanderbilt University

2005 Inaugural Fellows

Maureen L. Cropper, University of Maryland,
College Park
W. Michael Hanemann, University of California,
Berkeley
Karl-Göran Mäler, The Royal Academy of
Sciences
Wallace E. Oates, University of Maryland,
College Park
V. Kerry Smith, North Carolina State University
Tom Tietenberg, Colby College

PUBLICATION OF ENDURING QUALITY

- 2024 Richard G. Newell and William A. Pizer. 2003. Discounting the Distant Future: How Much Do Uncertain Rates Increase Valuations? *Journal of Environmental Economics and Management* 46: 52-71.
- 2023 James Sanchirico and James Wilen. 1999. Bioeconomics of Spatial Exploitation in a Patchy Environment. *Journal of Environmental Economics and Management* 37: 129-150.
- 2022 Trudy Ann Cameron. 1988. A new paradigm for valuing non-market goods using referendum data: maximum likelihood estimation by censored logistic regression. *Journal of Environmental Economics and Management* 15: 355-379.
and
W. Michael Hanemann. 1991. Willingness to Pay and Willingness to Accept: How Much Can They Differ? *The American Economic Review* 81(3): 635-647.
- 2021 Madhu Khanna and Lisa A. Damon. 1999. EPA's Voluntary 33/50 Program: Impact on Toxic Releases and Economic Performance of Firms. *Journal of Environmental Economics and Management* 37: 1-25.
and
David Levhari and Leonard J. Mirman. 1980. The Great Fish War: An Example Using a Dynamic Cournot-Nash Solution. *Bell Journal of Economics* 11(1): 322-334.
- 2020 Tom H. Tietenberg. 1985. *Emissions Trading: An Exercise in Reforming Pollution Policy*. Washington, DC: Resources for the Future.
and
Kenneth Y. Chay and Michael Greenstone. 2003. The Impact of Air Pollution on Infant Mortality: Evidence from Geographic Variation in Pollution Shocks Induced by a Recession. *The Quarterly Journal of Economics* 118(3): 1121-1167.
- 2019 Robert M. Solow. 1974. The Economics of Resources or the Resources of Economics. *The American Economic Review: Papers and Proceedings* 64(2): 1-14.
and
Robert Mendelsohn, William D. Nordhaus, and Daigee Shaw. 1994. The Impact of Global Warming on Agriculture: A Ricardian Analysis. *The American Economic Review* 84(4): 753-771.
- 2018 Martin L. Weitzman. 1998. Why the Far-Distant Future Should Be Discounted at Its Lowest Possible Rate. *Journal of Environmental Economics and Management* 36(3): 201-208.
and
Christian Gollier. 2002. Discounting an Uncertain Future. *Journal of Public Economics* 85(2): 149-166.
- 2017 Richard Newell, Adam Jaffe, and Robert Stavins. 1999. The Induced Innovation Hypothesis and Energy-Saving Technological Change. *Quarterly Journal of Economics* 114(3): 941-975.
and
David Popp. 2002. Induced Innovation and Energy Prices. *American Economic Review* 92(1): 160-180.
- 2016 Due to a change in the timing of AERE's awards ceremonies, there was no PEQ awarded for the calendar year 2016.

- 2015 Scott Barrett. 1994. Self-Enforcing International Environmental Agreements. *Oxford Economic Papers* 46: 878-894.
- 2014 John M. Hartwick. 1977. Intergenerational Equity and the Investing of Rents from Exhaustible Resources. *American Economic Review* 67(5): 972-974.
- 2013 Lans Bovenberg and Ruud de Mooij. 1994. Environmental Levies and Distortionary Taxation. *American Economic Review* 84(4): 1085-1089.
and
Lans Bovenberg and Lawrence H. Goulder. 1996. Optimal Environmental Taxation in the Presence of Other Taxes: General Equilibrium Analyses. *American Economic Review* 86(4): 985-1000.
- 2012 Gene M. Grossman and Alan B. Krueger. 1995. Economic Growth and the Environment. *Quarterly Journal of Economics* 110(2): 353-377.
and
Werner Antweiler, Brian Copeland, and M. Scott Taylor. 2001. Is Free Trade Good for the Environment? *American Economic Review* 91(4): 877-908.
- 2011 Andrew Solow, Stephen Polasky, and James Broadus. 1993. On the measurement of Biological Diversity. *Journal of Environmental Economics and Management* 24(1): 60-68.
and
Martin Weitzman. 1998. The Noah's Ark Problem. *Econometrica* 66(6): 1279-1298.
- 2010 Frances R. Homans and James E. Wilen. 1997. A Model of Regulated Open Access Resource Use. *Journal of Environmental Economics and Management* 32(1): 1-21.
- 2009 Kathleen Segerson. 1988. Uncertainty and Incentives for Nonpoint Pollution Control. *Journal of Environmental Economics and Management* 15(1): 87-98.
- 2008 Karl-Göran Mäler. 1974. *Environmental Economics: A Theoretical Inquiry*. Washington, DC: Resources for the Future.
- 2007 Judd Hammack and Gardner Mallard Brown, Jr. 1974. *Waterfowl and Wetlands: Toward Bioeconomic Analysis*. Washington, DC: Resources for the Future.
- 2006 H. Scott Gordon. 1954. The Economic Theory of a Common-Property Resource: The Fishery. *Journal of Political Economy* 62(2): 124-142.
and
Anthony Scott. 1955. The Fishery: The Objectives of Sole Ownership. *Journal of Political Economy* 63(2): 116-124.
- 2005 William Nordhaus. 1994. *Managing the Global Commons: The Economics of Climate Change*. Cambridge, MA: MIT Press.
- 2004 David Montgomery. 1972. Markets in Licenses and Efficient Pollution Control Programs. *Journal of Economic Theory* 5(3): 395-418.
- 2003 Partha Dasgupta and Geoffrey Heal. 1979. *Economic Theory and Exhaustible Resources*. Cambridge: Cambridge University Press.

- 2002 A. Myrick (Rick) Freeman III. 1979. *The Benefits of Environmental Improvement: Theory and Practice*. Baltimore: The Johns Hopkins University Press for Resources for the Future.
and
 1993. *The Measurement of Environmental and Resource Values: Theory and Methods*. Washington, D.C.: Resources for the Future.
- 2001 Thomas D. Crocker. 1966. The Structuring of Atmospheric Pollution Control Systems. In *The Economics of Air Pollution*, ed. H. Wolozin (Norton, New York), pp. 61-86.
- 2000 Colin W. Clark. 1976, 1990. *Mathematical Bioeconomics: The Optimal Management of Renewable Resources*. Wiley Interscience.
- 1999 Richard Bishop and Thomas Heberlein. Measuring Values of Extramarket Goods: Are Indirect Measures Biased? *American Journal of Agricultural Economics* 61(5): 926-930.
and
 W. Michael Hanemann. 1984. Welfare Evaluations in Contingent Valuation Experiments with Discrete Responses. *American Journal of Agricultural Economics* 66(3): 332-341.
- 1998 Robert C. Mitchell and Richard T. Carson. 1989. *Using Surveys to Value Public Goods: The Contingent Valuation Method*. Washington, D.C.: Resources for the Future.
- 1997 Sherwin Rosen. 1974. Hedonic Prices and Implicit Markets: Product Differentiation in Pure Competition. *Journal of Political Economy* 82(1): 34-55.
- 1996 Martin L. Weitzman. 1974. Prices vs. Quantities. *Review of Economic Studies* 41(4): 477-491.
- 1995 Kenneth Arrow and Anthony C. Fisher. 1974. Environmental Preservation, Uncertainty and Irreversibility. *Quarterly Journal of Economics* 88(2): 312-319.
- 1994 No award given.
- 1993 William J. Baumol and Wallace E. Oates. 1975, 1988. *The Theory of Environmental Policy: Externalities, Public Outlays, and the Quality of Life*. Prentice-Hall and Cambridge University Press.
- 1992 Oscar Burt and Durward Brewer. 1971. Estimation of the Net Social Benefits from Outdoor Recreation. *Econometrica* 39(5): 813-827.
- 1991 Alan Randall, Berry Ives, and Clyde Eastman. Bidding Games for Valuation of Aesthetic Environmental Improvements. *Journal of Environmental Economics and Management* 1: 132-149.
- 1990 John V. Krutilla. 1967. Conservation Reconsidered. *American Economic Review* 57(4): 777-786.
- 1989 Harold Hotelling. 1939. The Economics of Exhaustible Resources. *Journal of Political Economy* 39(2): 137-175.
and
 Robert U. Ayres and Allen V. Kneese. 1969. Production, Consumption, and Externalities. *American Economic Review* 59(3): 282-297.

**THE RALPH C. D'ARGE AND ALLEN V. KNEESE AWARD FOR OUTSTANDING
PUBLICATION IN THE *JOURNAL OF THE ASSOCIATION OF
ENVIRONMENTAL AND RESOURCE ECONOMISTS (JAERE)***

- 2023 Fabian Stöckl and Alexander Zerrahn, "Substituting Clean for Dirty Energy: A Bottom-Up Analysis," Vol. 10, No. 3, pp. 819-863.
- 2022 Ashley Langer and Derek Lemoine, "Designing Dynamic Subsidies to Spur Adoption of New Technologies," Vol. 9, No. 6, pp. 1197-1234.
- 2021 Dalia Ghanem and Aaron Smith, "What Are the Benefits of High-Frequency Data for Fixed Effects Panel Models?," Vol. 8, No. 2, pp. 199-234.
- 2020 Alberto Salvo, "Local Pollution as a Determinant of Residential Electricity Demand," Vol. 7, No. 5, pp. 837-872.
- 2019 Yukiko Hashida and David J. Lewis, "The Intersection between Climate Adaptation, Mitigation, and Natural Resources: An Empirical Analysis of Forest Management," Vol. 6, No. 5, pp. 893-926.
- 2018 Brock Smith and Samuel Wills, "Left in the Dark? Oil and Rural Poverty," Vol. 5, No. 4, pp. 865-904.
- 2017 Dominic P. Parker and Bryan Badheim, "Resource Cursed or Policy Cursed? US Regulation of Conflict Minerals and Violence in the Congo," Vol. 4, No. 1, pp. 1-49.
- 2016 Mary F. Evans, "The Clean Air Act Watch List: An Enforcement and Compliance Natural Experiment," Vol. 3, No. 3, pp. 627-65.
- 2015 Tomás Rau, Sergio Urzúa, and Loreto Reyes, "Early Exposure to Hazardous Waste and Academic Achievement: Evidence from a Case of Environmental Negligence," Vol. 2, No. 4, pp. 527-563.
- 2014 Joshua Linn, Erin Mastrangelo, and Dallas Burtraw, "Regulating Greenhouse Gases from Coal Powered Plants under the Clean Air Act," Vol. 1, No. 1-2, pp. 97-134.

**THE RALPH C. d'ARGE AND ALLEN V. KNEESE AWARD FOR OUTSTANDING
PUBLICATION IN THE *JOURNAL OF ENVIRONMENTAL
ECONOMICS AND MANAGEMENT (JEEM)***

The 2013 'Best Article' recognition was, for the last time, drawn from studies published in *JEEM*. Starting in 2014, the award was renamed with the establishment of AERE's new publication: *Journal of the Association of Environmental and Resource Economists (JAERE)*

- 2013 Trudy Ann Cameron and J.R. DeShazo, "Demand for health risk reductions," Vol. 65, Issue 1, pp. 87-109.
- 2012 Rahel Aichele and Gabriel Felbermayr, "Kyoto and the carbon footprint of nations," Vol. 63, Issue 3, pp. 336-354.
- 2011 Garth Heutel, "Plant vintages, grandfathering, and environmental policy," Vol. 61, Issue 1, pp. 36-51.
- 2010 Patrick Bayer, Nathaniel Keohane, and Christopher Timmins, "Migration and hedonic valuation: The case of air quality," Vol. 58, Issue 1, pp. 1-14.
- 2009 Ryan Kellogg and Hendrik Wolff, "Daylight time and energy: Evidence from an Australian experiment," Vol. 56, Issue 3, pp. 207-220.

THE WALLACE E. OATES OUTSTANDING DOCTORAL DISSERTATION AWARD

In 2014, AERE instituted the AERE Outstanding Doctoral Dissertation Award and in 2016 the AERE Board of Directors, wishing to recognize the many distinguished contributions of Wally Oates, named the award in his memory.

- 2023 Rafael Araujo, *The Economics of Amazon Deforestation: Drivers, Consequences, and Policies to Stop It*, FGV EPGE Brazilian School of Economics and Finance. Dissertation Chair: Francisco Costa.
- 2022 Charles A. Taylor, *Essays on Land Use and Agriculture*, Columbia University. Dissertation Chair: Wolfram Schlenker.
- 2021 Gabriel Englander, *Empirical Essays on Natural Resource Exploitation*, University of California, Berkeley. Dissertation Chair: Maximilian Auffhammer.
- 2020 Katherine Wagner, *Essays in Environmental Public Finance*, Yale University. Dissertation Chairs: Matthew Kotchen and Joseph Shapiro.
- 2019 Akhil Rao, *The Economics of Orbit Use: Theory, Policy, and Measurement*, University of Colorado at Boulder. Dissertation Chair: Daniel Kaffine.
- 2018 Louis Preonas, *Three Essays on Energy Economics*, University of California, Berkeley. Dissertation Chairs: Meredith Fowlie and Severin Borenstein.
- 2017 Eyal Frank, *Economic Outcomes and Market Dynamics of Biodiversity Losses*, Columbia University. Dissertation Chair: Wolfram Schlenker.
- 2016 Due to a change in the timing of award eligibility and selection, there was no 2016 doctoral dissertation awardee.
- 2015 Casey J. Wichman, *Information and Environmental Policy*, University of Maryland at College Park. Dissertation Chair: Maureen L. Cropper.
- 2014 Kailin Kroetz, *The Costs of Restrictions in Tradable Permit Programs*, University of California, Davis. Dissertation Chair: James Sanchirico.

AERE WEB PAGE AND MAILING LIST

Web Page. In 1995, Glenn Blomquist and Michael Newsome developed an AERE Home Page that allowed access to AERE news, information, and resources through the world wide web. In 2009, with support provided by Industrial Economics Incorporated (IEc), the web page was redesigned. Since then, it has been upgraded several times. The web address is: <http://www.aere.org>.

Information is available about the history of AERE, current membership, AERE officers and board members, meetings and workshops, honors and awards, highlights of the *AERE Newsletter* (and archives), mailing lists such as RESECON (see below), calls for papers, job listings, and links to the European AERE and other useful information. Please send suggestions and any items you would like added to the web page to:

info@aere.org (with “AERE Web” in the subject line)

ResEcon Listserv. In consideration of members’ privacy, AERE maintains a list of current and past member emails for internal use only. For individuals wishing to join an email listserv that reaches many environmental and resource economics, they may consider joining RESECON, which has emerged as the primary email list server for environmental and resource economists. More information about RESECON, and how to subscribe can be found at <https://www.aere.org/resecon>.