RICHARD B. NORGAARD

Professor Emeritus of Energy and Resources
University of California, Berkeley

Energy and Resources Program
310 Barrows Hall, MC 3050
University of California at Berkeley
Berkeley, California 94720 – 3050

norgaard "at" berkeley.edu

EDUCATION

PhD	Economics (fields of trade and agriculture)	University of Chicago	1971
MS	Agricultural Economics (water resources minor)	Oregon State University	1968
AB	Economics (with considerable science and geography)	University of California, Berkeley	1965

AREAS OF INTEREST

Epistemology and Sociology of Understanding Complex Systems
Ecological Economics and Development as Coevolution
Economics of Climate Change, Development, Energy, Environment, Sustainability, and Trade

SUMMARY OF SIGNIFICANT CONTRIBUTIONS

Professor Norgaard is an eclectic scholar with one solely authored book; five co-authored and co-edited books, four additional multi-authored monographs, and over 200 other publications in environmental and ecological economics, environmental sociology, environmental epistemology, and other fields. He is recognized within the field of economics (*Who's Who in Economics*, Millennium Edition, and *The Changing Face of Economics: Conversations with Cutting Edge Economists* 2004) and the field of ecological economics (Kenneth E. Boulding Award, 2006) for both his critiques of and contributions to economics even while he spends most of his time working across disciplinary ways of understanding. The *American Association for the Advancement of Science* elected Norgaard to the status of "Fellow" in 2007. His research emphasizes how the resolution of complex socio-environmental problems challenges modern beliefs about science and policy and explores development as a process of coevolution between social and environmental systems. His writing is informed through work on energy, water, environment, and development issues around the globe with different periods of his career emphasizing Alaska, Brazil, and California.

Internationally, Professor Norgaard recently served on the *Intergovernmental Panel on Climate Change* and, until 2010, on the *International Resource Panel* of the United Nations Environment Programme. He was actively engaged with the *Millennium Ecosystem Assessment*, and other assessment efforts including UNEP's *The Economics of Ecosystems and Biodiversity* and UNEP's *Global Environmental Outlook* (various years).

Nationally, Norgaard chaired (2010-13) and continues to serve on the *Independent Science Board* of the Delta Stewardship Council (formerly the CALFED Independent Science Board on which he also served), State of California and served (2011-13) on the advisory board of NSF's National Socio-Environmental Synthesis Center. He previously served on the Science Advisory Board of the U.S. EPA (2000-2004), as a member of the U.S. committee of the *Scientific Committee on Problems of the Environment* (SCOPE), and on numerous panels of the National Research Council and the former Office of Technology Assessment.

Richard Norgaard served on the founding Board of Directors of the *New Economy Coalition (formerly New Economics Institute)*, on scientific advisory boards to Tsinghua University and Beijing Normal University, and on the Board of *EcoEquity*. He served on the Board of Directors of the *American Institute of Biological Sciences* (2000-2009), in the position of Treasurer (2003-2009. He served as President of the *International Society for Ecological Economics* (1998-2001). He was the founding Chair of the Board of *Redefining Progress* (1994-97) and a member of its board (until 2007). Professor Norgaard was a Project Specialist with the Ford Foundation in Brazil (1978 and 1979), and a visiting research fellow at the World Bank (1992).

HONORS

FELLOW, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, elected October 2007 in recognition of "path-breaking contributions to environmental and ecological economics, and for improving the scientific content of public policy discourse on sustainability and the future."

DISTINGUISHED FACULTY MENTORING AWARD, Graduate Assembly, University of California, Berkeley, April 2007.

KENNETH E. BOULDING AWARD, International Society for Ecological Economics, received December 2006 at the 9th Biennial Meetings of the Society. New Delhi, for "expanding transdisciplinary approaches to knowledge, promoting pluralism, and forging a coevolutionary approach to economy, society, and the environment in the spirit of the open and inquisitive mind that was the hallmark of Boulding's work."

.

ZAYED INTERNATIONAL PRIZE FOR ENVIRONMENT shared with 1400 other authors of the Millennium Ecosystem Assessment, for Scientific and Technological Achievement, received February 2006.

SERVICE AWARDS:

U.S. Environmental Protection Agency, Science Advisory Board, 2005.
Redefining Progress, Board of Directors, 2004.

FELLOWHIPS:

Ford Foundation 1968-70 PhD Fellowship, Economics, University of Chicago.
Federal Water Quality Administration Fellowship, MS, Agricultural Economics, Oregon State University

OTHER RECOGNITION

Selected, Interviewed, and Written Up as One of Ten "Cutting Edge Economists Changing the Face of Economics" in the U.S., see: Chapter 8 in Dave Colander, Ric Holt, and J. Barkley Rosser. *The Changing Face of Economics: Conversations with Cutting Edge Economists* (2004, Dave Colander, Ric Holt, and J. Barkley Rosser, University of Michigan Press, Winner of *Choice Outstanding Academic Title 2004*, American Library Association).

Identified as one of the 1000 most cited economists in the world at the 3rd millennium, see: *Who's Who in Economics*. Millennium Edition (1999, 3rd Edition, Mark Blaug editor, Edward Elgar).

EMPLOYMENT HISTORY

Lecturer (1967-68) Oregon College of Education; Acting Assistant Professor of Agricultural Economics (1970-71) with 50% academic and 50% Agricultural Experiment Station (AES) research appointment, Assistant Professor (1971-76), Associate Professor (1976- 1992), on-leave as a Project Specialist in Environment and Development with the Ford Foundation in Brazil (1978 and 1979), moved regular faculty half of appointment into the Energy and Resources Group (1988), Visiting Research Scholar at the World Bank (1991), Professor (since 1992), transformed 50% AES research appointment into full academic appointment in the Energy and Resources Group (2007) University of California at Berkeley. Retired July 1, 2013.

PUBLIC SERVICE AND PROFESSIONAL EXPERIENCE

2013	Member, Advisory Board, New Economy Coalition
2011 – 13	Member, External Advisory Board, National Socio-Environmental Synthesis Center, National Science Foundation, University of Maryland, Annapolis.
2010 –	First Chair (2010-13) and member, Delta Independent Science Board, Delta Stewardship Council, State of California
2010 – 14	Lead Author, Working Group III, Chapter 4, 5th Assessment, Intergovernmental Panel on Climate Change
2010 – 13	Member of the Board, New Economics Institute
2009 – 13	Member, Scientific Steering Committee, Institute for Global Change Studies, Tsinghua University
2009	Invited Expert, Scoping Meeting for 5th Assessment, Intergovernmental Panel on Climate Change, Venice
2009	Chapter Review Editor, The Economics of Ecosystems and Biodiversity (TEEB), United Nations Environment Programme
2009 – 12	Member, International Resource Panel (formerly International Panel for Sustainable Resource Management), United Nations Environment Programme
2008 – 13	Member, Scientific Steering Committee, College of Global Change and Earth System Science, Beijing Normal University
2008 – 09	Chapter Review Editor, Ecosystem Assessment Methodology Manual, United Nations Environment Programme
2008 –	Chair, Kenneth E. Boulding Award Committee, International Society for Ecological Economics
2007 –	Invited Nominator, The Japan Prize, The Science and Technology Foundation of Japan, Tokyo
2006 – 10	Chair, Berkeley William Sloane Coffin Award Committee, First Congregational Church, Berkeley
2006 – 08	Member, Independent Science Board, California Bay-Delta Authority (CALFED process) Co-Editor, State of the Science Report, 2007 – 08 Member, Delta Vision Assessment Team, 2007 – 08 Member, Search Committee, Lead Scientists, 2006 and 2007
2006 – 07	Chapter Review Editor, Global Environmental Outlook 4. United Nations Environment Programme
2006	Consultant, Understanding Socio-Ecological Complexity, Commonwealth Scientific and Industrial Research Organization, Canberra, Australia
2005	Speaker, Workshop on Understanding Multiple Environmental Stresses, Committee on Earth-Atmosphere Interactions: Understanding and Responding to Multiple Environmental Stresses, Board on Atmospheric Sciences and Climate, National Research Council.
2005 – 07	Member, Campus Ministry Advisory Committee, First Congregational Church, Berkeley
2004 – 05	Member, Water Management Science Board, California Bay-Delta Authority (CALFED process)
2004 – 05	Chapter Review Editor and Participant Observer, Millennium Ecosystem Assessment
2003 – 09	Treasurer, Member of the Board of Directors, American Institute of Biological Sciences
2003 –	Representative, U.S. Society for Ecological Economics, Council of American Institute of Biological Sciences
2003	Presenter, Workshop on Knowledge, Security, and the Environment sponsored by Hadley Centre for Climate Prediction and Research, January 30 - February 1 at Wiston House, Wilton Park, UK.
2002 – 03	Past President, International Society for Ecological Economics
2001 – 04	Member, Science Advisory Board, Environmental Economics Advisory Committee, U.S. Environmental Protection Agency (resigned in protest due to misuse and non-use of science by G. W. Bush Administration)
2001 – 03	Member, Board of Directors, American Institute of Biological Sciences
2001	Participant, Second International Forum of the Collaboration Projects, Government of Japan, Tokyo
2001	Consultant, WestEd, review of NSF – IGERT project at University of Southern California

2000 – 09	Member, Advisory Board, Centre for Interdisciplinary Studies of Environment and Development, Bangalore, India
1999 –	Representative, International Society for Ecological Economics to Council of American Institute of Biological Sciences
1998 – 01	President, International Society for Ecological Economics
1998	Expert Advisor, ProNatura, Review of Shell Oil Company's Camisea Project in the Peruvian Amazon
1998 –	Member, Island Press Advisory Committee on Texts and Teaching Materials
1998 – 00	Associate, International Forum on Globalization
1998 –	Member, Mesa Refuge Advisory Board
1997	Environmental Economic Consultant, Environment Australia
1996	Speaker (with John Holdren and S. David Freeman), U.S. Senate briefing on "El Niño and Climate Change" sponsored by Senators Barbara Boxer and Ron Wyden, September 24.
1996 – 97	President-elect, International Society for Ecological Economics
1995 – 98	Member, Board of Directors, Institute for Sustainable Development
1995	Instructor, Environmental Economics Short Course, National Environment Agency, Vietnam
1995	Group Instructor, Environmental History and Philosophy Short Course, University of Umea, Sweden
1994 – 07	Founding Chair of the Board (94-97) and Member of the Board, Redefining Progress
1994 – 95	Economic Advisor, Government of Hungary, Preparations for World Court, Gabcikovo – Nagymoros Project
1994	Participant, Global Biodiversity Assessment, International Union for the Conservations of Nature and Natural Resources, The World Conservation Union, Switzerland
1993 – 99	Member, U.S. National Committee, Scientific Committee on Problems of the Environment (SCOPE), sponsored by National Research Council
1993 – 00	Nominator, Pew Scholars Program in Conservation and the Environment, now Marine Conservation
1993 – 94	Member, Renewable Energy Economic Assessment Panel, Studies of the Environmental Costs of Electricity. U.S. Congress, Office of Technology Assessment
1993	Member, Invasive Species Assessment Panel, U.S. Congress, Office of Technology Assessment
1992 – 95	Member, Economics Advisory Committee, United Nations Environment Programme
1992	Signatory, Joint Appeal by Religion and Science for the Environment, Washington, D.C.
1991	Visiting Research Fellow, World Bank
1990 – 92	Member, Scientific Advisory Committee, Biodiversity Support Program, World Wildlife Fund, Conservation International, and World Resources Institute
1990 – 92	Member, Ecosystem Valuation Forum, The Conservation Foundation and U.S. Environmental Protection Agency
1990	Member, Workshop, Economic Valuation of Environmental Degradation in Costa Rica. World Resources Institute, USAID, and Tropical Science Center. San Jose, Costa Rica
1990	Member, Workshop, International Land Use Systems Research. Indian Council of Agricultural Research, USAID, and Rodale Research Center. New Delhi.
1989 – 92	Member, Panel on Biodiversity Research Priorities, Board on Science and Technology for International Development, National Academy of Sciences
1989 – 90	Consultant, Barakat and Chamberlain, energy and greenhouse economics
1989	Advisor, unofficial meeting between U.S. and Japanese agencies on aid to Indochina, East-West Center, Hawaii
1989	Environmental Analyst, U.N. Development Programme, Economic Assessment Mission, Vietnam
1988 – 89	Chair, Policy Working Group, International Workshop and Conference on Conservation Biology and Agriculture organized by University of California at Davis

1988	Policy Analyst, World Bank team to negotiate and implement policies to protect the environment and indigenous peoples of Northwest Consolidation Project (Polonoreste, Rondonia), Brazil
1987 – 92	Member, National Advisory Board, Integrated Approaches to Training in Conservation and Sustainable Development, A Program Initiative of the Pew Charitable Trusts
1987 – 88	Juror, Special Federal Grand Jury, International Drug Cartels, Northern District of California
1987	Member, Advisory Committee, Program in Conservation and Development, The Pew Charitable Trusts
1987	Economist, Winrock International Evaluation Team for the Africa-wide Biological Control Program
1987	Environmental Consultant, UNFAO, Environment and Energy Programmes, to develop environmental guidelines for resettlement projects in humid tropical rainforests
1986	Policy Consultant, USAID to work with World bank on design of institutions to sustain renewable resources
1986	Delegate, World Conservation Strategy Meeting, International Union for the Conservation of Nature and Natural Resources, Ottawa
1985 – 87	Consultant, Tobin and Tobin, on petroleum property valuation
1985 – 86	Member, Advisory Panel, Technologies to Maintain Biological Diversity, U.S. Congress, Office of Technology Assessment
1985	Member, East – West Center Delegation, Workshop on Rural Ecosystem Research, Co-sponsored by Chinese Environmental Protection Agency, Nanjing, China
1985	Consultant, UNESCO – USAID – Government of Thailand, Coastal Planning Training Team, Land Development Department and National Environmental Board
1985	Consultant, United Nations Environment Programme and the World Bank to review methodological problems of environmental accounting
1985	Instructor, Wrangell Mountains Program, McCarthy, Alaska (San Francisco State University sponsorship)
1984 – 85	Consultant, Environmental and Scientific Affairs, The World Bank on environmental accounting
1983 – 84	Consultant, Independent Oil Producers Agency of California on West Coast petroleum markets
1982	Co-Chair with E. Phillip LeVeen and steering committee consisting of Kenneth J. Arrow, Jack Hirshleifer, Julius Margolis, and Richard Musgrave. *Economists for Proposition 13: The Water Resources Conservation and Efficiency Act*
1982	Consultant, Department of Water Resources, State of California on economics of Clavey-Wards Ferry project on the Tuolumne River
1982	Consultant, Plan Sierra, Dominican Republic
1980 – 82	Member, Water Demand Advisory Committee, Department of Water Resources, State of California
1979	Member, Advisory Panel on Agricultural Water Conservation, Department of Water Resources, State of California
1979	Member, Joint Planning Team for the Amazon, Superintendency for Agriculture, Brasilia and Centro de Desenvolvimento e Planajamento Regional, Universidade de Minas Gerais
1978 – 79	Project Specialist, Environment and Development, Ford Foundation, Brazil
1977	Consultant, Federal – State Land Use Planning Commission for Alaska on mineral leasing policy
1976 – 84	Member, Board of Economic Advisors, Public Interest Economics
1976 – 77	Consultant, Department of Natural Resources, State of Alaska, on economics of petroleum leasing policies
1976	Consultant, Office of Planning and Research, State of California on economics of Santa Ynez petroleum transport alternatives
1974 – 75	Consultant, Energy R & D Policy, U.S. National Science Foundation
1974 – 75	Consultant, Pesticide Programs, U.S. Environmental Protection Agency
1974	Consultant, British Petroleum – Standard Oil of Ohio, on Alaska petroleum development and the environment
1972 – 74	Member, Advisory Committee, 19 university coordinated program on integrated pest management sponsored by the National Science Foundation and the Man and the Biosphere Program

1972 – 74	Member, Cotton Study Team, Pesticide Evaluation, Environmental Studies Board, National Academy of Sciences
1972 – 73	Consultant, South Pacific Division, Comprehensive Port Studies, U.S. Army Corps of Engineers
1973	Member, Economics Advisory Board, Sierra Club
1972	Leader, First Descent in 20th Century, 2nd Descent ever, Tatshenshini River, Dalton Post, Yukon Territory to Alsek River and on to Dry Bay, Alaska (on the Pacific Ocean)
1971 – 72	Member, Pest Management and Research Advisory Committee, President's Council on Environmental Quality
1970 – 72	Member, Interdisciplinary Research Team and Research Associate, Institute of Social, Economic, and Government Research, University of Alaska, on Prudhoe Bay petroleum development and the environment
1970 – 71	Founding Member and Midwestern Representative, Friends of the Earth
1966 – 67	Founding Member and Treasurer, Citizens for a Clean Environment, Oregon
1962 – 68	Part-time assistant to David Brower working as a river guide, photographer, and film editor, Sierra Club
1959 –	River Guide for Academics Adrift, American River Touring Association, National Geographic Society, Sierra Club, and Wrangell Mountains Program. Spent 14 weeks in the Glen Canyon of the Colorado before it was inundated by Lake Powell.

SERVICE to JOURNALS and an ENCYCLOPEDIA

2014 –	Member, Advisory Board, *Oxford Research Encyclopedia of Climate Science*
2014 –	Member, Advisory Board, *Ecology, Economy and Society: Journal of the INSEE*
2014 –	Editor, Social Sciences, *Earth's Future* American Geophysical Union
2011 –	Editorial Board, *Environmental Innovation and Societal Transitions*
2009 –	Editorial Board, *Environmental Science and Policy*
2009 – 2014	Editorial Board, *Diversity*
2008 –	Associate Editor, *San Francisco Estuary and Watershed Science*
2006 - 2009	Editorial Board, *Sustainability Science*
2006 –	Advisory Board, *Conservation and Society*
2005 – 2011	Editorial Board, *Ecology and Society*
1998 –	Editorial Board, *Environment, Development and Sustainability*
1995 – 2001	Editorial Board, *Ecosystem Health*
1994 –	Editorial Board, *Resources, Energy and Development*
1990 – 1993	Editorial Board, *Contemporary Policy Issues* (now *Cont. Economic Policy*)
1990 – 1991	Co-editor, Book Review Section, *Society and Natural Resources*
1988 –	Editorial Board, *Ecological Economics*
1986 – 1999	International Advisory Board, *Policy Sciences*
1986 – 1988	Advisory Board, *World Rivers Review*
1985 – 2003	Editorial Board, *Land Economics*
1973 – 1977	Contributing Editor, *Environment*

In addition to providing reviews for the above journals, I have also served in this millennium as a reviewer for *American Economic Review, American Journal of Agricultural Economics, BioScience, Climate Policy, Climatic Change, Conservation Biology, Ecological Complexity; Ecological Modeling, Ecology and Society, Ecosystems, Energy and Resource Economics, Environmental Management, Environment and Planning A, Government and Policy, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Nature, Natural Resources Journal*, *Operations Research, Science,* and others.

PROFESSIONAL ASSOCIATIONS AND SERVICE

American Association for the Advancement of Science (since1970)
- Nominee for Chair-elect, Societal Impacts of Science and Engineering Section, 2006 (not elected)
- Elected as Fellow of AAAS in 2007

American Economics Association (1966-2009)
American Geophysical Union (1970-72 and 2014-)
American Institute of Biological Sciences (since 1998)
- Member of the Board of Directors, 2001-03
- Chair of the Policy Committee, 2003
- Treasurer and Chair of Finance Committee, 2004-9

Association of Environmental and Resource Economists (since founding)
- Founding Member, 1974.
- Chair, Board Nomination Committee, 1984.

Association for Public Policy Analysis and Management (1984-1994)
Federation of American Scientists (since early 1970s)
International Society for Ecological Economics (since founding in 1988)
- Founding Member, 1987.
- Vice President for Membership, 1991-93.
- President-Elect, 1996-97
- President, 1998-2001
- Past President, 2002-3
- Chair, Kenneth E. Boulding Award Committee, 2008 –

International Society for Ecosystem Health, 1994-2002
- Member of Editorial Board

International Society for the History, Philosophy, and Social Studies of Biology (since founding in 1992?)
Latin American Studies Association (1980-1994)
- Program Chair, Environment Sessions for 1994 Meetings

Oikos International Foundation for Ecological Economics, Siena, Italy
- Member, Scientific Advisory Board (1992-95)

Rocky Mountain Biological Laboratory (Patron Member 1984-94)
Society for the Advancement of Socio-Economics (1990-1994)
Society for Conservation Biology (since beginning in 1986)
Western Economic Association (1984-94)
World Economic Association (founding member 2011)

UNIVERSITY SERVICE

(service on campus, Ad Hoc promotion review committees and committees of ERG and ARE not included)

2009 – 10	Treasurer, Berkeley Faculty Association
2008 – 12	Member, Committee on Educational Policy (Academic Senate)
2006 – 10	Member, Advisory Committee, Program on Religion, Politics, and Globalization, International and Area Studies
2005 – 06	Member, Chancellor's Standing Committee on Mental Health (Administrative-Academic Senate)
2005 – 06	Member, Undergraduate Outcomes Task Force (Administrative-Academic Senate)
2004 – 06	Member, Working Group on Disaster Preparedness (Administrative-Academic Senate)
2004 – 06	Member, Committee on Educational Policy (Academic Senate)
1996	Member, Political Ecology Search Committee, Department of Anthropology
1996	Member, Search Committee, Director of Environmental Engineering Health Sciences Laboratory
1995 – 96	Member, Committee on Courses (Academic Senate)
1993 – 4	Member, Committee on International Education (Academic Senate)
1992 – 03	Member, Committee on History of Technology (initially Social and Ethical Implications of Technology) College of Engineering
1992 – 94	Member, Executive Committee, Center for Latin American Studies
1989	Member, External Review Committee for Agroecology Program at University of California at Santa Cruz
1984 – 87	Chair, Committee on Undergraduate Scholarships and Honors (Academic Senate)
1984 – 86	Head Graduate Advisor, Graduate Group in Latin American Studies
1982 – 86	Member, Executive Committee, Graduate Group in Latin American Studies
1974 – 76	Chair, Committee for the design and implementation of Political Economy of Natural Resources undergraduate major (now Environmental Economics and Policy), College of Natural Resources
1974 – 76	Member, University-wide Advisory Committee on Energy
1972 – 74	Founding Member of the Energy and Resources Graduate Group

SIGNIFICANT LECTURES (more significant than a "plenary address")

2012. Climate-challenged Society. Annual Lecture, The Environment, Politics, and Development Group, King's College London. March 30.

2011. Can We Scientifically Undo that which was Unscientifically Done? XIV World Water Congress, Porto de Galinhas, Brazil. September 28.

2009. Ecosystem Services: Prospects and Pitfalls for the Implementation of a Metaphor. Distinguished Lecture, Program on Global Environment, University of Chicago. May 28.

2006. Deliberative Economics. First Kenneth E. Boulding Memorial Lecture, International Society for Ecological Economics. Delhi. December 17.

2006. Finding Hope in the Millennium Ecosystem Assessment. Keynote Address. Contemplating Sustainability Conference. UN University – Tokyo. October 20.

2004. Sustaining Life: The Meaning of Agroecology. Keynote Address. II Congresso Brasileiro de Agroecologia / V Seminario Internacional sobre Agroecologia. Porto Alegre, Brazil. November 22.

2003. Collectively Seeing Complex Systems. Environmental Studies Annual Lecture. University of Chicago. April 3.

1998. Beyond Economic Growth and Globalization. 10th V. T. Krishnamachari Lecture. Institute of Economic Growth. New Delhi, India. September 25. (Published in *Economic and Political Weekly*)

1998. Toward Economies that Sustain Nature and Human Dignity: An Ecological Economic Reformulation. CERN, Science and Society Lecture Series. Geneva, Switzerland. March 5.

1996. Orchestrating Discordant Knowledges. Keynote Address. 4th Biennial Meeting of the International Society for Ecological Economics. Boston, Massachusetts. August 4.

1994. Community, Economy, and Sustainability. Town and Gown Lecture. Jointly hosted by University of Colorado and the City of Boulder. March 1.

1991. Sustainability: The Paradigmatic Challenges to Agricultural Economics. Key Note Speech. Twenty-First International Conference of Agricultural Economists. Tokyo. August.

VIDEOS and RECORDINGS OF LECTURES AVAILABLE ON LINE

2013. Interviews with Brad Smith UCB radio KALX
KALX-20131227_Spectrum Richard Norgaard pt1.mp3
KALX-20140110_Spectrum Richard Norgaard pt2.mp3

2006. Values and Valuation in a Rapidly Changing World. Plenary address at the Annual Meeting of the American Institute of Biological Sciences. Washington, D.C. May 25. http://www.aibs.org/media-library/

MONOGRAPHS

Single-Authored Book

Norgaard, Richard B. 1994. *Development Betrayed: The End of Progress and a Coevolutionary Revisioning of the Future.* London and New York. Routledge.
2003. Translated into Japanese by Kenji Takeuchi and published by Kisho Shobo Publishing, Tokyo.
2001 – Available electronically through Taylor and Francis.

Multi-Authored and Co-edited Books

Dryzek, John, Richard B. Norgaard, and David Schlosberg. 2013. *Climate-Challenged Society.* Oxford University Press. Oxford.

Dryzek, John, Richard B. Norgaard, and David Schlosberg. (eds). 2011. *The Oxford Handbook of Climate Change and Society.* Oxford University Press. Oxford.

Berger, Joanna, Elinor Ostrom, Richard B. Norgaard, David Policansky, and Bernard D. Goldstein (eds). 2001. Protecting the Commons: A Framework for Resource Management in the Americas. Island Press. Washington, D. C.

Costanza, Robert, John Cumberland, Herman Daly, Robert Goodland and Richard B. Norgaard. 1997. *An Introduction to Ecological Economics* (an intermediate level college text). International Society for Ecological Economics and St. Lucie Press, Florida.
2014 – 2nd Edition. Substantially revised with an additional and new co-author, Ida Kubiszewski.
2005 - Available electronically at the Routledge Economics*net*Base: www.economicsnetbase.com
2001. Translated into German, edited, augmented, and published as *Einführung in die Ökologische Ökonmik.* Lucius & Lucius. Stuttgart.

Prugh, Tom with Robert Costanza, John H. Cumberland, Herman Daly, Robert Goodland, and Richard B. Norgaard. 1995. *Natural Capital and Human Economic Survival.* International Society for Ecological Economics Press. Solomons, Maryland. Hardback distributed by Chelsea Green, White River Junction, Vermont. Paperback distributed by Sinauer Associates, Sunderland, Massachusetts. (2nd Edition, 1999, Lewis Publishers, CRC Press, Boca Raton, Florida).
2005 - Available electronically at the Routledge Economics*net*Base: www.economicsnetbase.com

Other Monographs

Ackerman, Frank, Elizabeth A. Stanton, Stephen J. DeCanio, Eban Goodstein, Richard B. Howarth, Richard Norgaard, Catherine S. Norman, and Kristen Sheeran. 2009. *The Economics of 350: The Benefits and Costs of Climate Stabilization*. Economics for Equity and the Environment Network.

Healey, M.C., M.D. Dettinger, and R.B. Norgaard (eds). 2008. *The State of Bay-Delta Science, 2008.* CALFED Science Program. Sacramento, CA.

Irwin, Frances and Janet Ranganathan with Mark Bateman, Albert Cho, Hernan Dario Correa, Robert Goodlan, David Jhirad, Karin Krchnak, Antonio La Viña, Lailai Li, Nicolas Lucas, Mohan Munasinghe, Richard Norgaard, Suhir Chella Rajan, Lokiñe Rodríguez, Guido Schmidt-Traub, and Frances Seymour. 2007. *Restoring Nature's Capital: An Action Agenda to Sustain Ecosystem Services*. WRI Report. World Resources Institute. Washington, D. C.

Tussing, Arlon R. George W. Rogers, and Victor Fischer with Richard B. Norgaard and Gregg K. Erickson. 1971. Alaska Pipeline Report. Institute of Social, Economic, and Government Research. University of Alaska, Fairbanks (also republished as part of the Trans Alaska Pipeline Environmental Impact Statement, U.S. Department of the Interior, 1972).

ACADEMIC JOURNAL ARTICLES

Norgaard, Richard B. 2013. The Delta and the Econocene. *San Francisco Estuary and Watershed Science,* 11(3) October. http://www.escholarship.org/uc/item/4h98t2m0

R. Muradian, M. Arsel, L. Pellegrini, F. Adaman, B. Aguilar, B. Agarwal, E. Corbera, D. Ezzine de Blas, J. Farley, G. Froger, E. Garcia-Frapolli, E. Gómez-Baggethun; J. Gowdy,, N. Kosoy, J.F. Le Coq, P. Leroy, P. May, P. Méral, P. Mibielli, R. Norgaard, B. Ozkaynak, U. Pascual, W. Pengue, M. Perez, D. Pesche, R. Pirard, J. Ramos-Martin, L. Rival, F. Saenz, G. Van Hecken, A. Vatn, B. Vira, K. Urama. 2013. Payments for ecosystem services and the fatal attraction of win-win solutions. *Conservation Letters* **6**(4):274-279.

Norgaard, Richard B. and Giorgos Kallis. 2011. Coevolutionary Contradictions: Prospects for a Research Program on Social and Environmental Change. Lead article in a Special Issue on Coevolution, *Geografiska Annaler: Series B, Human Geography* **93**(4):1-12.

Ackerman, Frank, Elizabeth A. Stanton, Stephen J. DeCanio, Eban Goodstein, Richard B. Howarth, Richard Norgaard, Catherine S. Norman, and Kristen Sheeran. 2010. The Economics of 350. *Solutions.*

Norgaard, Richard B. 2010. Ecosystem Services: From Eye-Opening Metaphor to Complexity Blinder. 2010. Special issue on Payments for Ecosystem Services. *Ecological Economics* **69**(6):1219–1227.

Gual Font, Miguel Angel and Richard B. Norgaard. 2010, Bridging Ecological and Social Systems Coevolution: A Review and Proposal. For a special issue edited by Gowdy, Kallis and Norgaard. *Ecological Economics* **69**(4):707-717.

Kallis, Giorgos and Richard B. Norgaard. 2010. Coevolutionary Economics. For a special issue edited by Gowdy, Kallis and Norgaard. *Ecological Economics* **69**(4):690-699.

Norgaard, Richard B., Giorgos Kallis, and Michael Kiparsky. 2009. Collectively Engaging Complex Socio-Ecological Systems: Re-Envisioning Science, Governance, and the California Delta. *Environmental Science and Policy* **12**(6): 644-652.

Kallis, Giorgos, Michael Kiparsky, and Richard B. Norgaard. 2009. Adaptive Governance and Collaborative Water Policy: California's CALFED Bay-Delta Program. *Environmental Science and Policy* **12**(6): 631-643.

Kallis, Giorgos, Joan Martinez-Alier, and Richard B. Norgaard. 2009. Real Debts, Paper Assets: An Ecological-economic Exploration of the Global Economic Crisis. *Critical Perspectives on International Business* **5** (1/2): 14-25.

Srinivasan, U. Thara, Susan P. Carey, Eric Hallstein, Paul A. T. Higgins, Amber C. Kerr, Laura E. Koteen, Adam B. Smith, Reg Watson, John Harte, and Richard B. Norgaard. 2008. The Debt of Nations and the Distribution of Ecological Impacts from Human Activities. *Proceedings of the National Academy of Sciences* **105**(5): 1768-73.

Norgaard, Richard B. 2008. Finding Hope in the Millennium Ecosystem Assessment. *Conservation Biology* **22**(4): 862-69.

Norgaard, Richard B. and Ling Jin. 2008. Trade and the Governance of Ecosystem Services. *Ecological Economics* **66**(4):638-52.

Norgaard, Richard B. 2007. Deliberative Economics. *Ecological Economics* **63**(2-3):375-82.

Norgaard, Richard B. and Xuemei Liu. 2007. Market Governance Failure. *Ecological Economics.* **60**(3):634-641.

Nelson, Gerald, Elena Bennett, Asmeret Asefaw Berhe, Kenneth Cassman, Ruth DeFries, Thomas Dietz, Andrew Dobson, Achim Dobermann, Anthony Janetos, Marc Levy, Diana Marco, Nebojsa Nakicenovic, Brian O'Neill, Richard Norgaard, Gerhard Petschel-Held, Dennis Ojima, Prabhu Pingali, Robert Watson, Monika Zurek. 2006. Anthropocentric Drivers of Ecosystem change: An Overview. *Ecology and Society* **11**(2) 29 http://www.ecologyandsociety.org/vol11/iss2/art29/

Sneddon, Christopher, Richard B. Howarth, and Richard B. Norgaard. 2006. Sustainable Development in a Post-Brundtland World. *Ecological Economics* **57**(2):253-68.

Norgaard, Richard B. and Paul Baer. 2005. Collectively Seeing Complex Systems: The Nature of the Problem. *BioScience* **55**(11):953-960.

Norgaard, Richard B. and Paul Baer. 2005. Collectively Seeing Climate Change: The Limits of Formal Models. *BioScience* **55**(11):961-966.

Lélé, Sharachchandra and Richard B. Norgaard. 2005. Practicing Interdisciplinarity. *BioScience* **55**(11):967-975.

Norgaard, Richard B. 2004. Learning and Knowing Collectively. *Ecological Economics* **49**(2):231-241.

Norgaard, Richard B. 2004. Posthuman Enough? *BioScience* **54**(3):258-62.

Norgaard, Richard B. and Paul Baer. 2003. Seeing the Whole Picture. *World Futures* **59**(3-4):225-39.

Norgaard, Richard B. 2003. Which We, Whose Wisdom, Whither the Mountain West? *BioScience* **53**(3):278- 281.

Norgaard, Richard B. 2002. Can Science and Religion Better Save the Environment Together? *BioScience* **52**(8):748-55.

Wackernagel, Mathis, Niels B. Schulz, Diana Deumling, Alejandro Callejas Linares, Martin Jenkins, Valerie Kapos, Jonathan Loh, Norman Myers, Richard B. Norgaard, Jorgen Randers, and Chad Monfreda. 2002. Tracking the Ecological Overshoot of the Human Economy. *Proceedings of the National Academy of Sciences* **99**:9266-9271. (July 9).

Norgaard, Richard B. 2002. Optimists, Pessimists, and Science. *BioScience* **52(**3**)**:287-92.

Trainor, Sarah F. and Norgaard, Richard B. 1999. Recreation Fees in the Context of Wilderness Values. *Journal of Parks and Recreation Administration* **17** (3):101-116.

Ostrom, Lin, Joanna Burger, Chris Field, Richard B. Norgaard, and David Policansky. 1999. Revisiting the Commons: Local Lessons, Global Challenges. *Science* **284** (April 9):278-282.

Norgaard, Richard B. 1998. A Improvisação do Conhecimento Discordante. *Ambiente e Sociedade* **1**(2):25-40.

Norgaard, Richard B., Collin Bode with the Values Reading Group. 1998. Next, the Value of God, and Other Reactions. (A response to The Value of the World's Ecosystem Services and Natural Capital by Costanza *et al*.) *Ecological Economics* **25**(1):37-39.

Norgaard, Richard B. 1997. Economism, Environmentalism, and Ecological Economics (in Portuguese). *ANPEC journal*.

Rader, Nancy A. and Richard B. Norgaard. 1996. Efficiency and Sustainability in Restructured Electricity Markets: The Renewables Portfolio Standard. *The Electricity Journal* **9**:37-49.

Lélé, Sharachchandra and Richard B. Norgaard. 1996. Sustainability and the Scientist's Burden. *Conservation Biology* **10**:354-65.

Norgaard, Richard B. 1995. Metaphors We Might Survive By. *Ecological Economics* **15**:129-131.

Norgaard, Richard B. 1995. Beyond Materialism: A Coevolutionary Reinterpretation of the Environmental Crisis. *Review of Social Economy* **LIII**:475-492.

Bingham, G., R. Bishop, M. Brody, D. Bromley, E. Clark, W. Cooper, R. Costanza, T. Hale, G. Hayden, S. Kellert, R. B. Norgaard, B. Norton, J. Payne, C. Russell, and G. Suter. 1995. Issues in Ecosystem Valuation: Improving Information for Decision Making. *Ecological Economics* **14**:73-90.

Norgaard, Richard B. 1995. Intergenerational Commons, Globalization, Economism, and Unsustainable Development. *Advances in Human Ecology* **4**:141-171.

Norgaard, Richard B. 1994. The Process of Loss: Exploring the Interactions between Economic and Ecological Systems. Science as a Way of Knowing: Biodiversity. *The American Zoologist* **34**:145-58.

Howarth, Richard B. and Richard B. Norgaard. 1993. Intergenerational Transfers and the Social Discount Rate. *Journal of Environmental and Resource Economics* **3**:337-358.

Norgaard, Richard B. and Richard B. Howarth. 1993. Resolving Economic and Environmental Perspectives on the Future. *Research on Social Problems and Public Policy* **5:**225-241.

Norgaard, Richard B. 1992. Sustainability as Intergenerational Equity: Economic Theory and Environmental Planning. *Environmental Impact Assessment Review* **12**:85-124.

Norgaard, Richard B. 1992. Coordinating Disciplinary and Organizational Ways of Knowing. *Agriculture, Ecosystems, and the Environment* **42**:205-216.

McNeely, Jeffrey A. and Richard B. Norgaard. 1992. Developed Country Policies and Biological Diversity in Developing Countries. *Agriculture, Ecosystems, and the Environment* **42**:194-204.

Howarth, Richard B. and Richard B. Norgaard. 1992. Environmental Valuation Under Sustainable Development. *American Economic Review* **82**(2):473-477.

Norgaard, Richard B. 1992. Sustainability: The Paradigmatic Challenges to Agricultural Economics. *In* G.H. Peters and B. F. Stanton (eds). Proceedings of the Twenty-First International Conference of Agricultural Economists (pages 92-101). Dartmouth. Hants, England.

Norgaard, Richard B. 1992. Environmental Science as a Social Process. *Environmental Monitoring and Assessment* **20**:95-110.

Norgaard, Richard B. 1991. Sustainability: Three Methodological Suggestions for Agricultural Economics. *Canadian Journal of Agricultural Economics* **39**:637-645.

Norgaard, Richard B. 1991. Una Interpretazione Coevolutiva della InsostenibilitB della ModernitB (A Coevolutionary Interpretation of the Unsustainability of Modernity). *Oikos* (Revista Quadrimestral per Una Ecologia delle Idee, Italian) **3**:141-166.

d'Arge, Ralph, Richard B. Norgaard, Mancur Olsen, Jr, and Richard Somerville. 1991. Economic Growth, Sustainability, and the Environment. *Contemporary Policy Issues* **IX**(1)1-23.

Norgaard, Richard B. 1990. Economic Indicators of Resource Scarcity: A Critical Essay. *Journal of Environmental Economics and Management* **19**:19-25.

Howarth, Richard B. and Richard B. Norgaard. 1990. Intergenerational Resource Rights, Efficiency, and Social Optimality. *Land Economics* **66**(1):1-11.

Norgaard, Richard B. 1989. Models and Knowledge in Ecology and Economics. *Anuari* **7**:188-99.

Norgaard, Richard B. 1989. Three Dilemmas of Environmental Accounting. *Ecological Economics* **1**:303-314.

Norgaard, Richard B. 1989. The Case for Methodological Pluralism. *Ecological Economics* **1**:37-57.

Norgaard, Richard B. 1988. Sustainable Development: A Coevolutionary View. *Futures* (December):606-620.

Lélé, Sharad M. with Norgaard, Richard B. and D. K. Subramanian. 1988. Hydropower Project Design Incorporating Submergence Costs. *Journal of Environmental Management*

Hecht, Susanna, Richard B. Norgaard, and Giorgio Possio. 1988. The Economics of Cattle Ranching in Eastern Amazonia. *Interciencia* **13**(5):233-240.

Norgaard, Richard B. 1988. The Biological Control of Cassava Mealybug in Africa. *American Journal of Agricultural Economics* **70**(2):366-371.

Norgaard, Richard B. 1988. The Oyster Beds of Ao Ban Don. *Land Economics* **64**(1):83-85.

Hecht, Susanna, Richard B. Norgaard, and Giorgio Possio. 1988. A Economia da Pecuária na Amazónia Oriental. (Translated by Laura Teixeira Motta) *Estudos Economicos* **18**(1)93-111.

Norgaard, Richard B. 1988. Economics of the Cassava Mealybug (Phaenacoccus manihoti; Hom., Pseudococcidae) Biological Control Program in Africa. *Entomophaga* **33**(1):3-6.

Norgaard, Richard B. 1987. Economics as Mechanics and the Demise of Biological Diversity. *Ecological Modeling* **38**:107-121.

Stone, N. D., A. P. Gutierrez, W. M. Getz, and R. B. Norgaard. 1986. Strategies for Pink Bollworm Control: An Economic Simulation Study. *Hilgardia* **54**(9):1-56.

Norgaard, Richard B. and John A. Dixon. 1986. Pluralistic Project Design: An Argument for Combining Economic and Coevolutionary Methods. *Policy Sciences* **19**:297-317.

Norgaard, Richard B. 1986. Environmental Evaluation Techniques and Optimization in an Uncertain World. *Land Economics* **62**(2): 210-13.

Norgaard, Richard B. and Gwo Jiun Leu. 1986. Petroleum Accessibility and Drilling Technology: A Case Study of U.S. Petroleum Development from 1959 to 1978. *Land Economics* **62**(1):14-25.

Norgaard, Richard B. 1985. Environmental Economics: An Evolutionary Critique and a Plea for Pluralism. *Journal of Environmental Economics and Management* **12**:382-394.

Norgaard, Richard B. 1984. Traditional Agricultural Knowledge: Past Performance, Future Prospects, and Institutional Implications. *American Journal of Agricultural Economics* **66**(5):874-878.

Norgaard, Richard B. 1984. Coevolutionary Development Potential. *Land Economics* **60**(2):160-173.

Norgaard, Richard B. 1984. Coevolutionary Agricultural Development. *Economic Development and Cultural Change* **32**(3):525-546.

Norgaard, Richard B. 1981. Sociosystem and Ecosystem Coevolution in the Amazon. *Journal of Environmental Economics and Management* **8**:238-254.

Norgaard, Richard B. 1981. A Significacao do Potencial para Produzir Arroz com Irrigacao Controlada na Varzea Amazonica. (The Significance of the Potential to Produce Paddy Rice on the Amazon Flood Plain.) Revista de Economia Rural **19**(2):287-313.

Norgaard, Richard B. 1981. Desenvolvimento Agricola e Transformacao Ambiental na Terra Firma Amazonica. (Agricultural Development and Environmental Transformation in Terra Firme Amazonia.) *Ciencia e Cultura*. January.

Norgaard, Richard B. 1976. The Economics of Improving Pesticide Use. *Annual Review of Entomology.*

Hall, Darwin C. Norgaard, Richard B., and Pamela True. 1975. The Performance of Independent Pest Management Consultants in San Joaquin Cotton and Citrus. California Agriculture. October.

Norgaard, Richard B. 1975. Scarcity and Growth: How Does It Look Today? *American Journal of Agricultural Economics* **57**:810-14.

Norgaard, Richard B. 1975. Resource Scarcity and New Technology in U.S. Petroleum Development. *Natural Resources Journal* **15**:265-282. (see also my Comment on a related study and the author's reply, *Land Economics* February 1976.)

Norgaard, Richard B. and Darwin C. Hall. 1974. Environmental Amenity Rights, Transactions Costs, and Technological Change. *Journal of Environmental Economics and Management* **1**:251-267.

Norgaard, Richard B. and Alan C. Lichtenberg. 1974 Energy Policy and the Tax Treatment of Oil and Gas Income. *Natural Resources Journal* **14**(4):501-18.

Hall, Darwin C. and Richard B. Norgaard. 1973. On the Timing and Application of Pesticides. *American Journal of Agricultural Economics* **55**(2):198-201 (see also Comment and Reply in 1974 **56**(3):644-5).

Norgaard, Richard B. 1972. Petroleum Development in Alaska: Prospects and Conflicts. *Natural Resources Journal* **12**(1):83-107.

Norgaard, Richard B. 1971. Streamflow and Sediment Deposition in the Lower Columbia. *Water Resources Research* **7**(5):1199-1207

Norgaard, Richard B. 1968. Streamflow Fluctuation, Bar Roughness, and Bed Load Movement: A Hypothesis. *Water Resources Research* **4**(3):647-650.

COMMENTS, REJOINDERS, BOOK REVIEWS, AND OTHER ACADEMIC EXCHANGES

Norgaard, Richard B. 2009. A Review of *Foundations of Environmental Sustainability: The Coevolution of Science and Policy*. Larry L. Rockwood, Ronald E. Stewart, and Thomas Dietz (eds). *Ecological Economics* **68**(12):3084-85.

Norgaard, Richard B. 2008. A Review of *Ecological Economics and Sustainable Development: Selected Essays of Herman Daly* by Herman Daly. *Ecological Economics* **67**:514-15.

Norgaard, Richard B. 2007. A Review of *Culture of Ecology: Reconciling Economics and the Environment* by Robert E. Babe. *Environmental Conservation* **34**:85-86.

Norgaard, Richard B. 2006. A Review of *One with Nineveh: Politics, Consumption, and the Human Future* by Paul R. Ehrlich and Anne H. Ehrlich. *Ecological Economics* **60**(3):663-664.

Norgaard, Richard B. 2005. Bubbles in a Back Eddy: A Commentary on "The Origin, Diagnostic Attributes and Practical Application of Coevolutionary Theory" by Winder, McIntosh, and Jeffrey. *Ecological Economics* **54**(4):362-65.

Norgaard, Richard B. 2004. A Review of *Ideology, Social Theory, and the Environment*. William D. Sunderlin. *Ecological Economics* **49**(3):410-11.

Norgaard, Richard B. 2003. Cultural Group Selection, Coevolutionary Processes, and Large Scale Cooperation: A Comment on Henrich. *Journal of Economic Behavior and Organization* **53**(1):93-95.

Norgaard, Richard B. 2003. Individual Greed and Public Goods. A Review of *Government vs. Environment*. Leal, D.R. and R.E. Meiners (editors). *Conservation Biology* **17**(4):1190-91.

Norgaard, Richard B. 2002. A Review of *A Companion to Environmental Thought*. Peter Hay. *Agricultural History Review* **50**:295-6.

Norgaard, Richard B. 2002. Ecological Economics Lite. A Review of *Eco-Economy: Building an Economy for the Earth*. Lester R. Brown. *BioScience* **52**:261.

Norgaard, Richard B. 2001. A Review of *Shoveling Fuel to a Runaway Train: Errant Economists, Shameful Spenders, and a Plan to Stop them All*. Brian Czech. *BioScience* **51**(3):257-9.

Norgaard, Richard B. 2001. Dana Meadows and the Limits to Growth. News and Reviews. Memoriam to Dana Meadows. *Ecological Economics* **38**: 167-71.

Baer, Paul, John Harte, Barbara Haya, Antonia Herzog, Nate Hultman, Daniel Kammen, Richard B. Norgaard, John Holdren, Leigh S. Raymond. 2001. Response to "Atmospheric Ethics," *Science* **291** (2 February) 827-8.

Baer, Paul, John Harte, Antonia Herzog, John Holdren, Nate Hultman, Daniel Kammen, Barbara Kresch, Norgaard, Richard B. and Leigh Raymond. 2000. Equity and Greenhouse Gas Responsibility in Climate Change Policy. *Science* **289** (29 September) 2287. [See also response and reply, **291** (2 February 2001) 827-8.]

Norgaard, Richard B. 1998. A Review of *Too Cheap To Meter: An Economic and Philosophical Analysis of the Nuclear Dream*. Steven Mark Cohn. *Capitalism, Nature, Socialism* **9**(4):150-1.

Norgaard, Richard B. 1997. Economics and Informed Passions. Letter. *Science* **277** (August 29):1186.

Norgaard, Richard B. 1997. A Review of *Ultimate Security: The Environmental Basis of Political Stability*, Norman Myers. *Conservation Biology* **11**(6):1459-60.

Norgaard, Richard B. 1997. A Review of *Building Sustainable Societies: A Blueprint for a Post-Industrial World*, Dennis C. Pirages (ed). *Ecological Economics* **23**:183-184.

Norgaard, Richard B. 1997. A Review of *Beyond Growth: The Economics of Sustainability*, Herman E. Daly. *Journal of Economic Literature* **XXXV** (December):2087-2088.

Norgaard, Richard B. 1996. A Review of *Property Rights and the Environment: Social and Ecological Issues,* and *Property Rights in a Social and Ecological Context: Case Studies and Design Applications*, S. Hanna and M.Munasinghe (editors). *The Pacific and Asian Journal of Energy* **6**(2):111-12

Norgaard, Richard B. 1996. A Review of *Biodiversity Loss: Economic and Ecological Issues*, C. Perrings, K.-G. Mäler, C. Folke, C.S. Holling, B.-O. Jansson. *The Journal of Wildlife Management*.

Norgaard, Richard B.1996. A Review of *Coevolutionary Economics: The Economy, Society, and the Environment*, John Gowdy. *Review of Social Economy* **LIV**(3):379-381.

Norgaard, Richard B. 1995. A Review of *Cost-Benefit Analysis and the Environment*, Nick Hanley and Clive L. Spash. *Environment and Planning Analysis* **27**:828-829.

Norgaard, Richard B. 1995. A Review of *Economics, Philosophy, and Physics*, Ching-Yal Hsieh and Meng-Hua Ye. *Research in the History of Economic Thought and Methodology* **13**:347-350.

Norgaard, Richard B. 1992. A Review of *Blueprint 2: Greening the World Economy*, David Pearce (ed). *Journal of Environmental Values.* Summer.

Norgaard, Richard B. 1992. A Review of *Natural Resource Policymaking in Developing Countries*, William Asher and Robert Healy; *Environment and Development: An Economic Approach*, Kan Bojö, Karl-Göran Mäler, and Lena Unemo; and *Natural Resources, Growth and Development: Economics, Ecology, and Resource Scarcity*, Clement A. Tisdell. *Economic Development and Cultural Change.* April.

Norgaard, Richard B. 1991. Economic Indicators of Resource Scarcity: A More Critical Reply. *Journal of Environmental Economics and Management*. September.

Norgaard, Richard B. 1990. A Review of *The Preservation of Species*. Bryan Norton. *Ecological Economics*. October.

Norgaard, Richard B. 1990. A Review of *Government Policies and Deforestation in Brazil's Amazon Region*. Dennis J. Mahar. *Society and Natural Resources*. 3(2).

Norgaard, Richard B. 1990. A Review of *Ecological Economics: Energy, Environment, and Society*. Juan Martinez-Alier with Klaus Schlupmann. *Land Economics*. November.

Norgaard, Richard B. 1990. A Review of *From Sagebrush to Sage: The Making of a Natural Resource Economist*. Marion Clawson. *Quarterly Review of Biology*. March.

Norgaard, Richard B. and Lori Ann Thrupp. 1989. A Review of *Progress for Food or Food For Progress: The Political Ecology of Agricultural Growth and Development*. Folke Dovring. *American Journal of Agricultural Economics*. November.

Howarth, Richard B. and Norgaard, Richard B. 1988. A Review of *Energy and Resource Quality: The Ecology of the Economic Process*. Charles A. S. Hall, Cutler J. Cleveland, and Robert Kaufmann. *Land Economics*. August.

Prevetti, Laurel and Richard B. Norgaard. 1986. A Review of *Indigenous Agricultural Revolution: Ecology and Food Production in West Africa*. Paul Richards. *Journal of Development Studies*. October.

Norgaard, Richard B. 1986. Thermodynamic and Economic Concepts as Related to Resource Use Policies: A Synthesis. *Land Economics*. August.

Norgaard, Richard B. 1986. A Review of *Underdeveloping the Amazon*. Stephen G. Bunker. *Journal of Development Studies*. April.

Fairfax, Sally K. and Richard B. Norgaard.1986. Rethinking the Federal Lands: A Comment. *Landscape and Urban Planning*. April.

Norgaard, Richard B. and Sally K. Fairfax. 1985. A Review of *The Federal Lands Revisited*. Marion Clawson. Land Economics. May.

Norgaard, Richard B. 1980. A Review (in Portuguese) of *The Natural Rubber Industry*. Colin Barlow. *Ciencia e Cultura*. June.

Norgaard, Richard B. 1977. A Review of *Economic Theory and Natural Resources*. Orris C. Herfindahl. *Land Economics* **53** (2):267-71.

Norgaard, Richard B. 1976. A Review of *Productive Agriculture and a Quality Environment* and *Agricultural Production Efficiency*. National Academy of Sciences. *Ecology Law Quarterly*. May.

Norgaard, Richard B. and Richard L. Farnsworth. 1976. Technical Change and Petroleum Drilling Costs: A Comment. *Land Economics* **52**(1):103-08.

Hall, Darwin C. and Richard B. Norgaard. 1974. Reply to a comment On the Timing and Application of Pesticides. *American Journal of Agricultural Economics* **56**(3):644-5.

CHAPTERS IN BOOKS

Norgaard, Richard B. 2013. Escaping Economism, Escaping the Econocene, pages 44-52 in Uwe Schneidewind, Tilman Santarius, and Anja Humberg (eds). *Economy of Sufficiency: Essays on Wealth, Enjoyable Limits and Creating Commons*. Wuppertal Spezial 48. Wuppertal Institute. Wuppertal Germany.

Norgaard, Richard B. 2013. Commentary – Gretchen Dailey, Nature's Services, pages 462-4 in Libby Robin, Sverker Sörlin, and Paul Warde, (eds). *The Future of Nature: Documents of Global Change*. New Haven, CT. Yale University Press.

Norgaard, Richard B. 2013. Embracing Fewer Answers. Preface 2 in Katherine Farrell, Tommaso Luzzati, and Sybille van den Hove (eds.) *Beyond Reductionism: A Passion for Interdisicplinarity.* Oxon, UK. Routledge.

Norgaard, Richard B. 2012. Segmented Knowledge, Integrated Environmental Assessment and Governance. Chapter 3 in Bandyopadhyay, J., K. Chopra, and N. Ghosh (eds.) *Environmental Governance: Approaches, Imperatives, and Methods* New Delhi . Bloomsbury Publishing India and INSEE.

Dryzek, John S., Richard B. Norgaard, and David Schlosberg. 2011. Climate Change and Society: Approaches and Responses. Chapter 1 in *Handbook of Climate Change and Society.* Chapter 13 (191-204) in John Dryzek, David Schlosberg, and Richard B. Norgaard (eds). Oxford. Oxford University Press.

Norgaard, Richard B. 2011. Weighing Alternative Climate Futures. Chapter 13 in *Handbook of Climate Change and Society.* Chapter 13 (191-204) in John Dryzek, David Schlosberg, and Richard B. Norgaard (eds). Oxford. Oxford University Press.

Norgaard, Richard B. 2010. Understanding and managing complex systems: historical perspectives and lessons from the Millennium Ecosystem Assessment. Chapter 2 in *Integrated Mission-Directed Research*. Wendy Proctor (Editor in Chief). CSIRO Publishing, Canberra, Australia.

Norgaard, Richard B. 2010. Energy. In *World at Risk: A Global Sourcebook*. Washington, D. C. CQ Press.

Norgaard, Richard B. 2009. Transcendency Challenged. Chapter 3 in *The Coming Transformation: Values to Sustain Human and Natural Communities.* Stephen Kellert and Gus Speth (eds). Yale School of Forestry and Environmental Studies.

Norgaard, Richard B. 2009. The Case for an Assessment of Economism. Chapter 4 in *Post-Keynesian and Ecological Economics*. Richard Holt, Steven Pressman, and Clive Spash (eds). Cheltenham, U.K. Edward Elgar.

Norgaard, Richard B. 2008. The Implications of Interdisciplinary Scientific Assessments for Environmental Governance. Chapter 8 in *Policies for Sustainable Governance of Global Ecosystem Services*. J. Ranganathan, M. Munasinghe, and F. Irwin (eds). Cheltenham, U.K. Edward Elgar.

Norgaard, Richard B. Phoebe Bernard, and Patrick Lavelle. 2007. Assessing and Restoring Natural Capital Across Scales: Lessons from the Millennium Ecosystem Assessment. Chapter 5 in *Restoring Natural Capital: Science, Business, and Practice*. James Aronson, Suzanne J. Milton, and James N. Blignaut (eds). Washington, D.C. Island Press.

Norgaard, Richard B. 2005. Visions and Methods of Ecological Economics. In N.C. Sahu and A. K. Choudhury (eds). *Dimensions of Environmental and Ecological Economics.* Universities Press (India) Ltd. Hyderbad.

Norgaard, Richard B. 2004. Transdisciplinary Shared Learning. Chapter 5 in Peggy Barlett and Geoff Chase (eds). *Sustainability on Campus: Stories and Strategies for Change.* Cambridge, MA. MIT Press.

Norgaard, Richard B. 2004. Coevolutionary Flashes in the Withering Beam of Progress. In David Rothenberg and Wandee J. Pryor (eds).*Writing the Future: Progress and Evolution* (pages 234 – 243). Cambridge, MA. MIT Press.

Norgaard, Richard B. 2003. Passion and Ecological Economics: Towards a Richer Coevolution of Value Systems and Environmental Systems. In Stephen Dovers, David I. Stern, and Michael D. Young (eds). *New Dimensions in Ecological Economics: Integrated Approaches to People and Nature*. Cheltenham, UK. Edward Elgar.

Norgaard, Richard B.2002. Economic and Alternative Models for Decision-Making and Valuation. (In Japanese). Chapter 4 In Jin Sato (ed). Social Methods of Environmental Studies. Tokyo. Tokyo University Press.

Norgaard, Richard B. 2002. Energy. In *World at Risk: A Global Sourcebook*. Washington, D. C. CQ Press. Winner of *Choice Outstanding Academic Title 2002*, American Library Association.

Norgaard, Richard B. 2001. Possibilities After Progress. In Luisa Maffi (ed). *On Biocultural Diversity: Linking Language, Knowledge, and the Environment.*. Washington, D. C. Smithsonian Institution Press.

Norgaard, Richard B. Astrid J. Scholz and Sarah Fleisher Trainor. 2001. Values, Valuing Processes, and Valuation. In Ekko C. van Ierland, Jan van der Straaten, Herman R. J. Vollebergh (eds). *Economic Growth and Valuation of the Environment.* Edward Elgar. Cheltenham, U.K.

Norgaard, Richard B. 2001. The Improvisation of Discordant Knowledges. In Cutler J. Cleveland, Robert Costanza and David I. Stern (eds). *The Nature of Economics and the Economics of Nature*. Cheltenham, U.K. Edward Elgar.

Burger, J., C. Field, R. B. Norgaard, E. Ostrom, and D. Policansky. 2001. Common_Pool Resources and Commons Institutions: An Overview of the Applicability of the Concept and Approach to Current Environmental Problems. Introduction to Joanna Burger, Elinor Ostrom, Richard B. Norgaard, David Policansky, and Bernard D. Goldstein (eds). *In Protecting the Commons: A Framework for Resource Management in the Americas*. Island Press. Washington, D. C.

Burger, J., R. B. Norgaard, and Elinor Ostrom. 2001. Conclusion. In Joanna Burger, Elinor Ostrom, Richard B. Norgaard, David Policansky, and Bernard D. Goldstein (eds). *In Protecting the Commons: A Framework for Resource Management in the Americas*. Island Press. Washington, D. C.

Norgaard, Richard B. 2001. Growth, Globalization, and the Agenda of Ecological Economics. In Mohan Munasinghe and Osvaldo Sunkel and C. de Miguel (eds). *The Sustainability of Long Term Growth: Socioeconomic and Ecological Perspectives*. Cheltenham, U.K. Edward Elgar.

Norgaard, Richard B. 2000. Environmental Valuation in the Search for Sustainable Development. In Environment, Sustainable Development and Public Policy. Clovis Calvacanti (ed) Cheltenham, U.K. Edward Elgar. (English version of 1997 chapter in Portuguese).

Sikor, Thomas and Richard B. Norgaard. 1999. Principles for Sustainability: Production, Investment, Cooperation, and Innovation. Chapter 4 in Jörg Köhn, John Gowdy, Friederich Hinterberger, and Jan van der Straaten (eds). *Sustainability in Question: The Search for a Conceptual Framework*. Cheltenham, U.K. Edward Elgar.

Norgaard, Richard B. 1997. A Coevolutionary Environmental Sociology. In Michael Redclift and Graham Woodgate (eds). *International Handbook of Environmental Sociology*. Cheltenham, U.K. Edward Elgar.

Norgaard, Richard B. 1997. "Valoraçâo Ambiental na Busca de um Futuro Sustentavel". In Clovis Cavalcanti (org). *Meio Ambiente, Desenvolvimento Sustentável e Politicas Pjblicas*. Fundaç|o Joaquim Nabuco. Cortez Editoria. Sao Paulo, Brazil. pp. 83_92.

Norgaard, Richard B. 1997. Globalization and Unsustainability. In *Sostenible?: Tecnologia, Desenvolvament, Sostenible, i Desequilibris*. pp 523-532 (also in Catalan, Globalitzacio i insostenibilitat, pp 166-183). Universitat Politecnica de Catalunya i Departament de Medi Ambient, Gernalitat de Catalunya. Icaria Editorial. Barcelona.

Norgaard, Richard B. and Thomas Sikor. 1995. The Methodology and Practice of Agroecology. In Miguel A. Altieri (primary author of volume). *Agroecology: The Scientific Basis of Alternative Agriculture.* Boulder, Colorado. Westview Press.

Howarth, Richard B. and Richard B. Norgaard. 1995. Intergenerational Choices Under Global Environmental Change. In Daniel W. Bromley (ed). *Handbook of Environmental Economics*. Oxford. Basil Blackwell.

Norgaard, Richard B. 1994 and subsequent edition. Ecology, Politics, and Economics: Finding Common Ground for Decision-making in Conservation. In Gary K. Meffe and C. Ronald Carroll (primary authors). *An Introduction to Conservation Biology*. Sunderland, Massachusetts. Sinauer Associates.

Norgaard, Richard B. 1994. The Coevolution of Environmental and Economic Systems and the Emergence of Unsustainability. In Richard W. England (ed), *Evolutionary Concepts in Contemporary Economics*, University of Michigan Press, pages 213-225.

Norgaard, Richard B. 1993. Issues in Asset Aggregation and Intergenerational Asset Transfer. In *Toward Improved Accounting for the Environment.* Ernst Lutz (ed). Washington, D. C. UNSTAT - World Bank Symposia Series.

Norgaard, Richard B. 1992. Coevolution of Economy, Society, and Environment. Chapter 3 in *Real-Life Economics: Understanding Wealth-Creation. Paul Ekins and Manfred Max-Neef (eds). London. Routledge, Chapman and Hall.*

Norgaard, Richard B. and Richard B. Howarth. 1992. Intergenerational Equity and Economic Efficiency: Reframing the Energy-Environment Tradeoff. Chapter 11 In *The Energy-Environment* Connection. Jack M. Hollander (ed). Washington, D. C. Island Press.

Norgaard, Richard B. and Richard B. Howarth. 1992. Sustainability and Intergenerational Environmental Rights: Implications for Benefit-Cost Analysis. Chapter 3 In *Global Change: Economic Issues in Agriculture, Forestry, and Natural Resources*. John Reilly and Margot Anderson (eds). Boulder, Colorado. Westview.

Norgaard, Richard B. 1991. Science, Environment, and Institutional Change. Chapter 1 In *Gaining Ground: Institutional Innovations in Land Use Management in Kenya*, Amos Kriro and Calestous Juma (eds), Nairobi, African Centre for Technology Studies.

Norgaard, Richard B. and Richard B. Howarth. 1991. Sustainability and Discounting the Future. Chapter 7 in *Ecological Economics: The Science and Management of Sustainability*. Robert Costanza (ed). New York. Columbia University Press.

Norgaard, Richard B. 1990. The Development of Tropical Rainforest Economics. Chapter 13 in *Lessons From The Rainforest*. Suzanne Head and Robert Heinzman (eds). San Francisco. Sierra Club Books.

Norgaard, Richard B. 1989. Issues Related to the Linkage of Environmental and National Income Accounts. Chapter 8 in *Environmental Accounting and Sustainable Development*. Y. Ahmad, S. El Sarafy, and E. Lutz (eds). Washington, D. C. World Bank Symposia Series.

Ekins, Paul and Richard B. Norgaard. 1989. Towards a New Economics. In *Common Futures: Exploring the Integration of the Global Economy and Environment*. Pollution Probe. Toronto.

Norgaard, Richard B. 1989. Risk and Its Management in Traditional and Modern Agroecosystems. Chapter 11 in *Food and Farm: Current Debates and Policies*. Christina Gladwin and Kathleen Truman (eds). Monograph in Economic Anthropology #7. University Press of America.

Norgaard, Richard B. 1988. The Rise of the Global Exchange Economy and the Loss of Biological Diversity. Chapter 23 in *Biodiversity*. E. O. Wilson (ed). Washington, D.C. National Academy Press. (translated into various languages and republished at various dates).

Norgaard, Richard B. 1987. The Epistemological Basis of Agroecology. Chapter 2 in *Agroecology: The Scientific Basis of Alternative Agriculture*. Miguel Altieri. Boulder, Colorado. Westview Press. First published in 1983 by the Division of Biological Control. University of California. p.7_11. (Also published in Spanish in *Agroecolgia: Bases Scientificas de la Agricultura Alternativa*, Santiago, Chile, Instituto de Estudio y Publicaciones Juan Ignacio Molina, 1984).

Norgaard, Richard B. 1987. On the Economics of Biological Diversity: Apologetics or Theory. Chapter 8 in *Sustainable Development of Natural Resources in the Third World.* Douglas R. Southgate and John Disinger (eds). Boulder, Colorado. Westview Press.

Norgaard, Richard B. and Peter Burbridge. 1985. Environmental Assessment and Economic Valuation. Chapter 3 in *Manual of Coastal Development Planning and Management for Thailand*. (Also published in Thai) Ilyas Baker and Pramuk Kaeoniam (eds). Bangkok. Thailand Institute for Scientific and Technological Research.

Norgaard, Richard B. 1976. Integrating Economics and Pest Management. Chapter 2 in *Integrated Pest Management*. J. Lawrence Apple and Ray F. Smith (eds). Plenum Press.

ENCYCLOPEDIA ENTRIES

Norgaard, Richard B. 2009. Economy. Vol. 1. Berkshire Encyclopedia of Spirit of Sustainability. Willis Jenkins (ed). Berkshire Publishing Group. Great Barrington, MA.

Norgaard, Richard B. 2009. Millennium Ecosystem Assessment. *Encyclopedia of Environmental Ethics and Philosophy.* J. Baird Callicott and Robert Frodeman (Co-Editors). Macmillan Reference. Gale Cengage. Detroit, Michigan.

Norgaard, Richard B. 2002. Sustainable Development: Practice. *Encyclopedia of Global Change: Environmental Change and Human Society*. Andrew S. Goudie (Editor in Chief). Oxford. Oxford University Press.

Norgaard, Richard B. 2001. Ecological Economics. *Encyclopedia of Global Environmental Change.* Ted S. Munn (editor). London. John Wiley and Sons.

Norgaard, Richard B. 2001. Discounting. *Encyclopedia of Global Environmental Change.* Ted S. Munn (editor). London. John Wiley and Sons.

Norgaard, Richard B. 2001. Environmental Economics. *Encyclopedia of Global Environmental Change.* Ted S. Munn (editor). London. John Wiley and Sons.

Norgaard, Richard B. 2001. Index of Sustainable Economic Welfare (ISEW) and Genuine Progress Indicator (GPI). *Encyclopedia of Global Environmental Change.* Ted S. Munn (editor). London. John Wiley and Sons.

Norgaard, Richard B. 2001. Emergy. *Encyclopedia of Global Environmental Change.* Ted S. Munn (editor). London. John Wiley and Sons.

Norgaard, Richard B. 1998. Environmental Valuation. In *Encyclopedia of Political Economy*. Philip O'Hara (editor). London. Routledge.

Norgaard, Richard B. 1998. Evolution and Coevolution. In *Encyclopedia of Political Economy*. Philip O'Hara (editor). London. Routledge.

Norgaard, Richard B. 1995. Biodiversity: Processes of Loss. In *Encyclopedia of Environmental Biology*. Marvin Yelles (editor in chief). San Diego, California. Academic Press.

Norgaard, Richard B. 1989. Agricultural Ecology. In *American Academic Encyclopedia.* Danbury, Connecticut. Grolier.

REPUBLISHED ARTICLES

Richard Norgaard, Giorgos Kallis, and Michael Kiparsky. *forthcoming.* Collectively engaging complex socio-ecological systems: re-envisioning science, governance, and the California Delta. In *Transboundary River Governance In The Face Of Uncertainty: The Columbia River Treaty*. Barbara Cosens (editor) (reprint of 2009 article in *Environmental Science and Policy*).

Norgaard, Richard B. 2008. Coevolutionary Development Potential. Volume 1, Chapter 17, In *Ecological Economics* (a four volume set). Charles Perrings (ed). Sage Publications (Library of Economics). Thousand Oaks, California (reprint of 1984 article in *Land Economics*).

Sneddon, Christopher, Richard B. Howarth, and Richard B. Norgaard. 2008. Sustainable Development in a Post-Bruntland World. Volume 1V, Chapter 58, In *Ecological Economics* (a four volume set). Charles Perrings (ed). Sage Publications (Library of Economics). Thousand Oaks, California (reprint of 2006 article in *Ecological Economics*).

Norgaard, Richard B. 2008. Deliberative Economics. In *Deliberative Ecological Economics*. Christos Zografos and Richard B. Howarth (eds). Oxford University Press. Delhi. (Reprint of 2007 article in *Ecological Economics*).

Norgaard, Richard B. 2008. Economic Indicators of Resource Scarcity: A Critical Essay. In *Recent Developments in Ecological Economics.* Joan Martinez Alier and Inge Ropke (eds). Edward Elgar. Cheltenham, UK. (Reprint of 1990 article in *Journal of Environmental Economics and Management*).

Norgaard, Richard B. and Paul Baer. 2006. Seeing the Whole Picture. In *Global Survival: The Challenge and Its Implications to Thinking and Acting*. Ervin Laszlo and Peter Seidel (eds). Select Books. New York. (Reprint of 2003 article *World Futures*).

Norgaard, Richard B. 2005. Coevolutionary Agricultural Development. In *Sustainability: Critical Concepts in the Social Sciences.* Michael Redclift (ed). London. Routledge. (Reprint of 1984 article in *Economic Development and Cultural Change*).

Norgaard, Richard B. 2004. Coevolutionary Agricultural Development. In *Agro-Environmental Policy.* Sandra S. Batie and Rick Horan (eds). Ashgate International Library of Environmental Economics and Policy. Aldershot, Hampshire, UK. Ashgate Publishing. (Reprint of 1984 article *in Economic Development and Cultural Change*).

Norgaard, Richard B. 2003 Can Science and Religion Better Save Nature Together? *Teilhard Perspective* **35**(2): 2-5. (Reprint of 2002 article in *BioScience*).

Howarth, Richard B. and Richard B. Norgaard. 2003. Environmental Valuation under Sustainable Development. In *Discounting and Environmental Policy*. Joel Scheraga (ed). Ashgate International Library of Environmental Economics and Policy. Aldershot, Hampshire, UK. Ashgate Publishing. (Reprint of 1992 article in *American Economic Review*).

Lélé, Sharachchandra and Norgaard, Richard B. 2003. Sustainability and the Scientist's Burden. In *Battles over Nature: Science and Politics of Conservation*. Vasant Saberwal and Mahesh Rangarajan (eds) Delhi. Permanent Black. (Reprint of 1996 article in *Conservation Biology*).

Howarth, Richard B. and Norgaard, Richard B.. 2001. Intergenerational Resource Rights, Efficiency, and Social Optimality. In *The Economics of Sustainability* John C. V. Pezzey and Michael A. Toman (eds). The International Library of Environmental Economics and Policy. Hampshire, UK. Ashgate Publishing. (Reprint of 1990 article in *Land Economics*).

Howarth, Richard B. and Norgaard, Richard B.. 2001. Environmental Valuation Under Sustainable Development.. In *The Economics of Sustainability* John C. V. Pezzey and Michael A. Toman (eds). The International Library of Environmental Economics and Policy. Hampshire, UK. Ashgate Publishing. (Reprint of 1992 article in *American Economic Review*).

Norgaard, Richard B. 1998. Coevolutionary Development Potential. In *The Environment and the Third World*. Hans Opschoor, Kenneth J. Button, and Peter Nijkamp (eds). Cheltenham, UK. Edward Elgar. (Reprint of 1984 article in *Land Economics*).

Bingham, G. *et al* including Norgaard, Richard B. 1997. Issues in Ecosystem Valuation: Improving Information for Decision Making. In *Ecosystems and Nature.* R. Kerry Turner, Kenneth J. Button, and Peter Nijkamp (eds). Cheltenham, UK. Edward Elgar. (Reprint of 1995 article in *Ecological Economics*).

Norgaard, Richard B. 1997. The Case for Methodological Pluralism. In *The Development of Ecological Economics.* Robert Costanza, Charles Perrings, and Cutler Cleveland (eds). Cheltenham, UK. Edward Elgar. (Reprint of 1989 article in *Ecological Economics*).

Bingham, G. *et al* including Richard B. Norgaard. 1997. Issues in Ecosystem Valuation: Improving Information for Decision Making. In *The Development of Ecological Economics.* Robert Costanza, Charles Perrings, and Cutler Cleveland (eds). Cheltenham, UK. Edward Elgar. (Reprint of 1995 article in *Ecological Economics*).

Howarth, Richard B. and Richard B. Norgaard. 1997. Intergenerational Transfers and the Social Discount Rate. In *Human Wellbeing and Economic Goals*. Vol 3 of *Frontier Issues in Economic Thought*. Frank Ackerman, David Kiron, Neva R. Goodwin, Jonathan M. Harris, and Kevin Gallagher (editors). Island Press. Washington, D. C. (Condensation of 1993 article in *Environmental and Resource Economics*).

Norgaard, Richard B. 1995. Economics as Mechanics and the Demise of Biological Diversity. In *Economics and Biology*. Geoffrey M. Hodgson (ed). Cheltenham, UK. Edward Elgar. (Reprint of 1987 article in *Ecological Modeling*).

Norgaard, Richard B. 1995. The Case for Methodological Pluralism. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of 1989 article in *Ecological Economics*).

Norgaard, Richard B. 1995. Sustainable Development: A Co-evolutionary View. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of 1988 article in *Futures*).

Norgaard, Richard B. and Richard B. Howarth. 1995. Economics, Ethics, and the Environment. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of Chapter in *Energy-Environment Connection*, 1992).

Norgaard, Richard B. 1995. Economics as Mechanics and the Demise of Biological Diversity. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of 1987 article in *Ecological Modeling*)

Norgaard, Richard B. 1995. Three Dilemmas of Environmental Accounting. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of 1989 article in *Ecological Economics*).

Norgaard, Richard B. 1995. Economic Indicators of Resource Scarcity. In *A Survey of Ecological Economics*. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). Vol 1 of *Frontier Issues in Economic Thought*. Neva R. Goodwin (Series Editor). Island Press. Washington, D. C. (Condensation of 1990 article in *Journal of Environmental Economics and Management*).

McNeely, Jeffrey and Norgaard, Richard B. 1992. Developed Country Policies and Biological Diversity in Developing Countries. Chapter 12 in *Conservation Biology and Agricultural Production*. Graham Gall (ed). Amsterdam. Elsevier. (Reprint of 1992 article in *Agriculture, Ecosystems, and the Environment*).

Norgaard, Richard B. 1992. Coordinating Disciplinary and Organizational Ways of Knowing. Chapter 13 in *Conservation Biology and Agricultural Production*. Graham Gall (ed). Amsterdam. Elsevier. (Reprint of 1992 article in *Agriculture, Ecosystems, and the Environment*).

REPORTS PUBLISHED BY PUBLIC AGENCIES

Edenhofer, Ottmar and 78 other authors including Richard B. Norgaard. 2014. Technical Summary: Working Group III, Mitigation of Climate Change, Climate Change 2014 (5th Assessment). Intergovernmental Panel on Climate Change. Cambridge University Press. Cambridge, UK.

Fleurbaey, Marc and Sivan Kartha and 18 other authors including Richard B. Norgaard. 2014. Sustainability and Equity. Chapter 4 in Mitigation of Climate Change, Report of Working Group III. Climate Change 2014 (5th Assessment). Intergovernmental Panel on Climate Change. Cambridge University Press. Cambridge, UK

Norgaard, Richard B. 2006. Understanding Vulnerability of Ecosystem Goods and Services and Response Strategies. In Appendix D of National Research Council, *Understanding and Responding to Multiple Environmental Stress*. Report of a Workshop. Committee on Earth-Atmosphere Interactions: Understanding and Responding to Multiple Stresses. Board on Atmospheric Sciences and Climate. National Academies Press. Washington, D.C.

Nelson, Gerald, Elena Bennett, Asmeret Asefaw Berhe, Kenneth Cassman, Ruth DeFries, Thomas Dietz, Andrew Dobson, Achim Dobermann, Anthony Janetos, Marc Levy, Diana Marco, Nebojsa Nakicenovic, Brian O'Neill, Richard Norgaard, Gerhard Petschel-Held, Dennis Ojima, Prabhu Pingali, Robert Watson, Monika Zurek.2005. Drivers of Change in Ecosystem Condition and Services. Chapter 7 in Scenarios Assessment Report. Millennium Ecosystem Assessment Vol 2. Washington, D.C. Island Press.

Kinzig, A.P., J. Antle, W. Ascher, W. Brock, S. Carpenter, F. S. Chapin III, R. Costanza, K. Cottingham, M. Dove, H. Dowlatabadi, E. Elliot, K. Ewel, A. Fisher, P. Gober, N. Grimm, T. Groves, S. Hanna, G. Heal, K. Lee, S. Levin, J. Lubchenco, D. Ludwig, J. Martinez-Alier, W. Murdoch, R. Naylor, R. Norgaard, M. Oppenheimer, A. Pfaff, S. Pickett, S. Polasky, H. R. Pulliam, C. Redman, J.P. Rodriguez, T. Root, S. Schneider, R. Schuler, T. Scudder, K. Segersen, R. Shaw, D. Simpson, A. Small, D. Starrett, P. Taylor, S. van der Leeuw, D. Wall, M. Wilson. November 2000. *Nature and Society: An Imperative for Integrated Environmental Research*. A report of a workshop, presented to the National Science Foundation.

Norgaard, Richard B. 1997. Economic Instruments for Achieving Environmental Goals. Keynote Paper. Environmental Economics Roundtable Proceedings. Convened by Senator Robert Hill, Minister of the Environment, Canberra, July 10, 1997. Environment Australia. Environmental Economics Research Paper No 6. Commonwealth of Australia. Canberra.

Norgaard, Richard B. 1995. The Economic Analyses of the Gabikovo-Nagymaros Barrage System: A Report. Appendix 4, Volume 2, Scientific Rebuttal, Reply of the Republic of Hungary. Case Concerning the Gabcikovo-Nagymaros Project (Hungary/Slovakia). International Court of Justice.

McNeely, Jeffrey, Madhav Gadgil, Christian Leveque, Christine Padoch, and Kent Redford with contributions by Richard B. Norgaard and others. 1994. Chapter 9. Human Influences on Biodiversity. Global Biodiversity Assessment. United Nations Environmental Program. Nairobi.

Norgaard, Richard B. and Richard B. Howarth. 1994. Economism, Economic Logic, and the Assessment of Renewable Energy Technologies. *In* The Assessment of Renewable Energy Technologies. U.S. Congress Office of Technology Assessment. Washington D. C.

Sathaye, Jayant, Norgaard, Richard B. and Willie Makundi. 1993. A Conceptual Framework for the Evaluation of the Cost_Effectiveness of Projects to Reduce GHG Emissions and Sequester Carbon. Lawrence Berkeley National Laboratory LBL_33859. July

Norgaard, Richard B. 1993. Sustainability and the Economics of Assuring Assets for Future Generations: Summary. In *Environmental Accounting: A Review of the Debate*. United Nations Environment Programme, Environmental Economics Series paper no 8. Nairobi, Kenya.

Norgaard, Richard B. 1992. Sustainability and the Economics of Assuring Assets for Future Generations. Policy Research Working Paper (#WPS 832). Research Advisory Department. World Bank. Washington, D. C. Also distributed in 1991 with the title Sustainability as Intergenerational Equity: The Challenge to Economic Thought and Practice. Asia Regional Discussion Paper (IDP 97). World Bank. Washington, D. C.

Norgaard, Richard B. 1990. Forestry. Chapter 8 (and environmental material in other chapters) *In* Report on the Economy of Vietnam. Prepared as a member of a UNDP economic assessment team for the State Planning Committee, Socialist Republic of Vietnam. (also available in Vietnamese)

Burbridge, Peter R., Norgaard, Richard B., and Gary S. Hartshorn. 1988. Environmental Guidelines for Resettlement Projects in the Humid Tropics. Rome. Food And Agricultural Organization of the United Nations. FAO Environment and Energy Paper #9. (available in English, French, and Spanish, also an unofficial version in Vietnamese)

Norgaard, Richard B. 1982. An Economic Analysis of Additional Hydropower Development on the Tuolumne River. Department of Water Resources, State of California.

Norgaard, Richard B. 1977. Economic Impacts of Expanding the Redwood National Park. An appendix to Economic Losses Associated With Reduction in Timber Output Due To Expansion of Redwood National Park. William McKillop. Department of Forestry, State of California.

Norgaard, Richard B. 1973. Alaska Petroleum Development and Supply to the Lower West Coast: 1980_2000. West Coast Deepwater Facilities Study. North and South Pacific Divisions. U.S. Army Corps of Engineers.

PUBLIC DOCUMENTS FOR WHICH I SHARED OVERSIGHT RESPONSIBILITY

UNEP Global Environmental Outlook – 4. 2007. Chapter Review Editor. Chapter 7, Interlinkages: Governance for a Sustainable Earth. United Nations Environment Programme. Nairobi.

Millennium Ecosystem Assessment. 2005. Chapter Review Editor (also conducting participant observation research, a few observations only are indicated with an astrisk) on the following chapters and synthesis reports: *Conditions and Trends* - - Chapter 6, Vulnerable People and Places, Chapter 16, Regulation of Natural Hazards, Chapter 28, Synthesis, Summary for Decision Makers; *Scenarios* -- Chapter 11, Human Well-Being Across Scenarios, Summary for Decision Makers*; *Policy Responses* -- Chapter 2, Typology of Responses, Chapter 3, Assessing Responses, Chapter 11, Flood and Storm Control, Summary for Decision Makers; *Multiscale Assessments* -- Chapter 3, Linking Ecosystem Services and Human Well-Being, Summary for Decision Makers*; *Syntheses Volumes* -- General Synthesis; Ramsar Synthesis*; Business Synthesis.

U.S. Congress, Office of Technology Assessment. 1994. *Studies of the Environmental Costs of Electricity.* Staff prepared, externally reviewed, Background Paper from Workshop. OTA-ETI-134. Washington, D. C. U.S. Government Printing Office.

U.S. Congress, Office of Technology Assessment. 1993. *Harmful Non-Indigenous Species in the United States.* Washington, D.C. U.S. Government Printing Office.

National Research Council. 1992. *Conserving Biodiversity: A Research Agenda for Development Agencies*. Report of a Panel of the Board on Science and Technology for International Development. Washington, D. C. National Academy Press.

U.S. Congress, Office of Technology Assessment. 1987. *Technologies to Maintain Biological Diversity*. Washington, D. C. U.S. Government Printing Office.

Advisory Panel on Agricultural Water Conservation. 1979. Report of Findings. Co-sponsored by California Water Commission, Department of Water Resources; Senate Committee on Agriculture and Water Resources; Assembly Committee on Water, Parks, and Wildlife; California Energy Commission; Department of Food and Agriculture; State Water Resources Control Board; University of California. Sacramento. May.

U. S. Department of Agriculture. 1978. *Biological Agents for Pest Control: Status and Prospects*. The Report of a Special Study Team Coordinated by the office of Environmental Quality Activities. U.S. Department of Agriculture in Cooperation with the Land_Grand Universities, State Departments of Agriculture, and the Agricultural Research Institute. Washington, D. C. U.S. Government Printing Office.

National Research Council. 1975. *Pest Control: An Assessment of Present and Alternative Technologies, Cotton Pest Control*, Volume III. Environmental Studies Board. Washington D. C. National Academy of Science.

Council on Environmental Quality. 1972. *Integrated Pest Management*. Report of the Scientific Advisory Committee on Pest Management and Research. Washington D. C. U.S. Government Printing Office.

FORMAL TESTIMONY and COURT FILINGS

Frank Ackerman, Nathan Sivers, James Boyce, Peter Dorman, Eban Goodstein, Richard B. Howarth, Peter B. Meyer, Julie A. Nelson, Richard B. Norgaard, Thomas Michael Power, Kristen Sheeran, Benjamin K. Sovacol and Lyuba Zarsky, 2008. Brief of Economists as Amici Curiane in Support of Respondents. October 6, 2008 (filed). In The Supreme Court of the United States. Entergy Corp., Petitioner *v* Environmental Protection Agency, et al. Respondents; PSEG Fossil LLC and PSEG Nuclear LLC, Petitioners *v* Riverkeeer, Inc, et al, Respondents; and Utility Water Act Group, Petitioner, *v* Riverkeeper, Inc, et al. On Writs of Certiorari to the United States Court of Appeals for the Second District (Professors David M. Driesen, Counsel of Record, Syracuse University College of Law and Professor Douglas A. Kysar, Yale School of Law)

Norgaard, Richard B. 2007. Functions of "Durable" Governance for the Sacramento - San Joaquin Delta. Prepared for the Delta Vision Blue Ribbon Task Force and delivered orally, September 21.

Norgaard, Richard B. 1993. Environment and Development: Regional and Global Challenges and the Structure and Roles of the United Nations. San Francisco Hearing. United States Commission on Improving the Effectiveness of the United Nations. February 2.

Norgaard, Richard B. with Richard B. Howarth. 1991. "Climate Rights of Future Generations, Economic Analysis, and the Policy Process," in U.S. Congress, House, Committee on Science, Space, and Technology, Technologies and Strategies for Addressing Global Climate Change, Hearings, 17 July 1991 (Washington, D.C.: U.S. Govt. Print. Off., 1992), pp. 160_173.

Norgaard, Richard B. 1977. Economic Impacts of Expanding Redwood National Park. Senate Interior Committee. May. San Francisco.

Norgaard, Richard B. 1972. An Analysis of Irrigation Benefits and Costs Attributable to New Melones Dam. Testimony presented to the Water Resources Control Board, State of California, Sacramento.

Norgaard, Richard B. 1972. An Analysis of Irrigation Benefits and Costs Attributable to New Melones Dam. Testimony presented in Environmental Defense Fund, Inc *et al v.* Ellis Armstrong et al (C_72_1057) San Francisco. September.

Hutchins, C. L., Norgaard, Richard B., and Shirley Plapp. 1967. Possible Effects on the Quality of the Willamette Valley Environment of Establishing a Pulp and Paper Mill Near Halsey, Oregon. Report with testimony to the Oregon State Sanitary Authority, Corvallis, Oregon.

MISCELLANEOUS:
Opinions, Proceedings, Professional Bulletins, Policy Briefs, and Lay Publications

Koetz, Thomas, Peter Bridgewater, Clark Miller, Richard Norgaard, and Roger Pielke. 2009. Science-Policy Interfaces for More Effective Governance of Ecosystem Services: Institutional Mismatches, Shifting Paradigms, Obstructions and Opportunities. Submitted for consideration with respect to the potential establishment of an Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, UNEP.

Norgaard, Richard B. 2009. Tribute: Sharing Thomas Berry's Knowing-Loving Oneness Project. *The Ecozoic: Reflections on Life in an Ecological Age* No. 2:200.

Irwin, Frances and Janet Ranganathan with Mark Bateman, Albert Cho, Hernan Dario Correa, Robert Goodland, Anthony Janetos, David Jhirad, Karin Krchnak, Antonio La Viña, Lailai Li, Nicolas Lucas, Mohan Munasinghe, Richard Norgaard, Sudhir Chella Rajan, Iokiñe Rodríguez, Guido Schmidt-Traub, and Frances Seymour. 2007. *Restoring Nature's Capital: An Action Agenda to Sustain Ecosystem Services.* World Resources Institute. Washington, D. C.

Norgaard, Richard B. 2006. Corporate Sustainability: Impossible Alone, Participation Essential, Leadership Needed. *Interdisciplinary Yearbook of Business Ethics* **1**:181-185.

Norgaard, Richard B. 2006. Sustaining Life-Culture through Deliberative Democracy. World Life-Culture Forum, held June 20 -- 23 in Gyeong'gi Province, Republic of Korea (also published in Korean and Chinese).

Norgaard, Richard B., I. Michael Heyman, and Ronnie Lipschutz. 2005. Mark Christensen: Memorial Resolution adopted by the UC Berkeley Academic Senate, 2005.

Norgaard, Richard B. 2003. Obituary. Daniel B. Luten, Jr. *Berkeleyan* **31**(March 20): 7.

Norgaard, Richard B. and Michikazu Kojima. 2001. Trade and Environmental Governance: Theory and the American Experience. Framing the Pacific in the 21st Century: Coexistence and Friction. Daizaburo Yui and Yasuo Endo (eds). Center for Pacific and American Studies. The University of Tokyo. Tokyo.

Norgaard, Richard B. 2001. Memorial to Dana Meadows. *Ecological Economics* **38**(2):167-17.

Norgaard, Richard B. 2000. Ecological Economics. Opening Editorial to Special Issue. *Bioscience* **50** (4):291.

Norgaard, Richard B. 1999. Rafting the Tatshenshini in 1972. Pages 94-95, In: Jim Cassady and Dan Dunlap. World Whitewater: A Global Guide for River Runners. Ragged Mountain Press / McGraw Hill. Camden, Maine.

Luzadis, V.A., B.D. Solomon, P. Baer, and R. B. Norgaard. 1999. Interdisciplinary Science and Ecological Economics. Letter to the Editor. *Science* **283** (5410):2019-2020.

Norgaard, Richard B. 1999. Revisioning Progress: Coevolutionary Possibilities in the Third Millennium. *Ökologisches Wirtschaften* **Ausgabe 5-6:**.Spezial10-12.

Norgaard, Richard B. 1999. Beyond Growth and Globalization. The 10th V.T. Krishnamachari Lecture delivered at the Institute of Economic Growth, Delhi. *Economic and Political Weekly* (September 4) **XXXIV**(36):2570-74.

Norgaard, Richard B. 1999. Revisioning Progress: Coevolutionary Possibilities in the Third Millennium. *Ökologisches Wirtschaften* 5-6:10-12.

Dahlsten, Donald L., Evan P. Hansen, Robert L. Zuparko, and Norgaard, Richard B.. 1998. Biological Control of the Blue Gum Psyllid Proves Economically Beneficial. *California Agriculture* **52**(1)35-40.

Norgaard, Richard B. , Anoosh Mizany, and Randy Ghent. 1997. Globalization and Climate Change. Tape of Talk Presented at Global Teach-In 3. International Forum on Globalization. TUC* Radio #W-13.

Norgaard, Richard B.. 1997. Economics and Informed Passions. Letter to the Editor. *Science* **277** (5330 August 29):1187

Norberg-Hodge, Helena, Norgaard, Richard B., Wolfgang Sachs, Martin Khor, and David Korten. 1997. Counter-Development and New Economic Paradigms. Tape of Talk Presented at Global Teach-In 3. International Forum on Globalization. TUC* Radio #W-5.

Norgaard, Richard B. 1997. The Coevolutionary Advantage: Arguments for an Additional Framework in Social Theory. In: Arbeiten in einer nachhlatig wirschaftenden Gesellschaft. Dokumentation der 1. Arbeitstagung der Vereinigung für Ökologische Ökonomie. Heidelberg, Germany. Pages 17-30.

Norgaard, Richard B. 1996. The Winter of Modernity. *Resurgence* no.179 (November-December):26-7.

Robert Ayres, Beatriz Castaneda, Cutler J Cleveland, Robert Costanza, Herman Daly, Carl Folke, Bruce Hannon, Jonathan Harris, Robert Kaufmann, Xiannuan Lin, Richard Norgaard, Matthias Ruth, Daniel Spreng, David I Stern, JCJM Van den Bergh. 1996. Boston: Center for Energy and Environmental Studies, Boston University.

Norgaard, Richard B. 1996. Ecognoscenti. Editorial in *Bulletin of Ecological Economics* (Fall).

Norgaard, Richard B. 1996. Environmentalism as the Salvation of Materialism. *CTNS Bulletin*, The Center for Theology and the Natural Sciences, **16.3** (Summer).

Norgaard, Richard B. 1996. Environmental Valuation in the Quest for a Sustainable Future. Proceedings of the Workshop AMeio Ambiente, Desenvolvimento e Política de Governo: Bases para Construçno de uma Sociedade Sustentável no Brasil. Fundaçno Joaquim Nabuco. Instituto de Pesquisas Sociais. Olinda, Recife, Brazil. April.

Norgaard, Richard B.1993. Resolving Economic and Environmental Perspectives on the Future. *Global Climate Change: European and American Policy Responses*. Proceedings of the Peder Sather Symposium, October 1991 in Berkeley, sponsored by the Center for Western European Studies, University of California, and the Royal Norwegian Ministry of Foreign Affairs.

Norgaard, Richard B. 1992. Toward Economies that Sustain Nature and Human Dignity: One Perspective from the United States. In the Proceedings to the international conference, Das Neue Paradigma Ökonomische Ansätze für eine Kreislaufwirtschaft. Technische Universität Graz, Austria. April, 1992

Norgaard, Richard B. 1991. Policy and Climate: Dealing with Uncertain Impacts in the Distant Future. In *Energy Policies to Address Climate Change*. Proceedings of the Conference on Energy Policies to Address Global Climate Change, edited by Fred Patterson, Mark D. Levine, Paul P. Craig, and C. Michael Lederer, held at University of California at Davis in September 1989.

Norgaard, Richard B. 1991. A Ciencia Ambiental Como Processo Social, translated by John Cunha Comerford, distributed by Assessoria E Serviço a Projetos em Agricultura Alternativa, Rio de Janeiro, Brazil).

Norgaard, Richard B. Giorgio Possio, and Susanna B. Hecht. 1986. The Economics of Cattle Ranching in Eastern Amazonia. Proceedings of the First Symposium on the Humid Tropics. Belem, Para, Brazil.

Norgaard, Richard B. and Jane V. Hall. 1985. The West Coast Petroleum Market: Lessons in Uncertainty. Proceedings of the annual meetings of the International Association of Energy Economists, San Francisco, November 1984.

Parry, B. Thomas and Norgaard, Richard B. 1975. Wasting a River. Environment. January.

Norgaard, Richard B. 1975. Banning Pesticides: Is Our Decision-Making Process Rational? Economic and Social Issues. University of California, Cooperative Extension.

CONSULTING REPORTS

Norgaard, Richard B. 1988. The Valuation of Environmental Policy Benefits: Alternative Stances with Reference to Polonoreste II, Rondonia. Prepared for the World Bank.

Arnold, Michael B., Jean-Paul Aeschlimann, Thomas H. Coaker, Hugh T. Murphy, Richard B. Norgaard, Kenneth O. Rachie. 1987. Midterm Review of the Africa-Wide Biological Control Program of the International Institute for Tropical Agriculture. Prepared for the International Fund for Agricultural Development. Winrock International. Morrilton, Arkansas.

Norgaard, Richard B. with Susan Easton, George Ledec, and Laurel Prevetti. 1987. Social Organization for Sustaining Renewable Resources. Prepared for the World Bank and U.S. Agency for International Development.

Norgaard, Richard B. with Jane V. Hall. 1984. A Review of West Coast Petroleum Potential and Supplies: 1985-2000. Prepared for Independent Oil Producers' Agency. Long Beach, California.

WEB PUBLICATIONS (not also published in another format)

Norgaard, Richard B. 2011. "Economism and the Night Sky" New Economics Institute. http://neweconomicsinstitute.org/e-newsletters/economism-and-night-sky

Norgaard, Richard B. 2006. "Methodological pluralism." Encyclopedia of Earth. (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment) http://www.eoearth.org/article/Methodological_pluralism

Norgaard, Richard B. 2005. "Introduction to Ecological Economics." Intersecting Disciplines. Forum on Religion and Ecology. Harvard University, Center for the Environment. http://www.environment.harvard.edu/religion/disciplines/economics/index.html

Norgaard, Richard B. 1992. "Institutions for Assuring Our Common Future." Presented at "Inequality and the Commons, the third annual conference of the International Association for the Study of Common Property, Washington, DC, September 17-20, 1992. Digital Library of the Commons.

MEDIA APPEARANCES

2014. Radio Station KALX, Twenty minutes on economics, ecology, and philosophy. January 10.
2013. Radio Station KALX, Twenty minutes on economics, ecology, and philosophy. December 27.
2007. Channel 7, ABC local news, January 18. On Governor Schwarzenegger's Executive Order to promote the reduction of greenhouse gases from transportation fuels.
2006. Channel 5 Eye Witness News, April 25. On energy prices, environmental regulations, and the Bush Administration.
2003. KQED (radio) Forum, September 10. Politicizing Science with Michael Krasny and guests Henry I. Miller (Hoover Institute) and Daniel Sarewitz (then Columbia University)

DISSERTATIONS

Output, Input, and Productivity Change in U.S. Petroleum Development: 1939-1968. Ph.D. Dissertation. Department of Economics, University of Chicago, May 1971.

Streamflow and Deposition in the Lower Columbia River: A Partial Physical Production Function with an Economic Application. Masters Dissertation. Department of Agricultural Economics, Oregon State University, October 1967.

FORWARDS, PREFACES, and BACK COVER ENDORSEMENTS

2014. Back Cover Endorsement. Per Espen Stoknes. What We Think When We are Not Thinking about Climate Change. Chelsea Green.
2013. Back Cover Endorsement. Carl Death (ed). Critical Environmental Politics. Routledge. London.
2013. Back Cover Endorsement. Kenneth Worthy. *Invisible Nature*. Prometheus Books. New York.
2009. Inside Promotion Line. Tim Jackson. *Prosperity without Growth*. Earthscan. London.
2009. Forward. Embracing Fewer Answers. Katharine Farrell, Sybille van den Hove, and Tommaso Luzzati (eds). *Beyond Reductionism: A Passion for Interdisciplinarity* . Routledge. London.
2009. Back Cover. W. Neil Adger and Andrew Jordan (eds). *Governing Sustainability* Cambridge University Press.
2009. Inside Cover Endorsement. Peter G. Brown and Geoffrey Garver. *Right Relationship: Building a Whole Earth Economy*. Berrett-Koehler Publishing, San Francisco.
2009. Preface: A View from America. Debal Deb. *Beyond Developmentality: Constructing Inclusive Freedom and Sustainability.* Earthscan, London.
2007. Back Cover Quote. Jon Erickson and John Gowdy (eds). *Frontiers in Ecological Economic Theory and Application.* Edward Elgar.
2006. Promotion Quote. Thomas Berry. *Evening Thoughts: Reflecting on Earth as a Sacred Community*. Edited by Mary Evelyn Tucker. Sierra Club Books and University of California Press.
2006. Back Cover. Michael Redclift. *Frontiers: Histories of Civil Society and Nature*. MIT Press.
2005. Back Cover. Michael Common and Sigrid Stagl. *Ecological Economics: An Introduction*. Cambridge University Press.
2005. Back Cover. Graham R. Marshall. *Economics for Collaborative Environmental Management*. Earthscan. London.
2005. Inside Cover. R. Quentin Grafton , Libby Robin and Robert J. Wasson (eds*). Understanding the Environment: Bridging the Disciplinary Divides*. University of New South Wales Press.
2004. Back Cover. Connor, Robin and Stephen Dovers*. Institutional Change for Sustainable Development*. Edward Elgar.
2003. Back Cover. Berkhout, Frans, Meilissa Leach, and Ian Scoones, *Negotiating Environmental Change: New Perspectives from Social Science,* Edward Elgar.
2002. Back Cover. Clark, Mary E*. In Search of Human Nature*. Routledge. London. (This endorsement is in the company of John Ziman, Niles Eldredge and Elise Boulding)

2002. Back Cover. Steininger, Karl W. and Hannelore Weck-Hannemann (eds). *Global Environmental Change in Alpine Regions*. Edward Elgar.
2002. Back Cover. Thomas Princen, Ken Conca, and Michael Maniates. *Confronting Consumption*. MIT University Press.
2002. Back Cover. Daniel W. Bromley and Jouni Paavola. *Economics, Ethics, and Environmental Policy*. Blackwell.
2000. Back Cover. Luca Tacconi. *Biodiversity and Ecological Economics: Participation, Values and Resource Management*. Earthscan.
2000. Back Cover. Jonathan M. Harris. *Rethinking Sustainability: Power, Knowledge, and Institutions*. Ann Arbor. University of Michigan Press.
2000. Back Cover. Brent M. Haddad. *Rivers of Gold*. Washington, D. C. Island Press.
1999. Forward. Duane Chapman. *Environmental Economics: Theory, Application, and Policy*. Reading, Massachusetts. Addison-Wesley.
1998. Back Cover. Curtis H. Freese. *Wild Species as Commodities: Managing Markets and Ecosystems for Sustainability*. Washington, D. C. Island Press.
1995. Back Cover. Rajaram Krishnan, Jonathan Harris, and Neva R. Goodwin (eds). *A Survey of Ecological Economics*. Washington, D. C. Island Press.
1994. Back Cover. Martin O'Connor (ed). *Is Capitalism Sustainable? Political Economy and the Politics of Ecology*. New York. Guilford Press.
1988. Back Cover. Stephen G. Bunker. *Underdeveloping the Amazon: Extraction, Unequal Exchange, and the Failure of the Modern State*. Chicago. University of Chicago Press.

PUBLISHED PHOTOGRAPHY

2005. *Berkeleyan* **34**(6):8 photos, Cathedral in the Desert, (www.berkeley.edu/news/berkeleyan/2005/09/22_norgaard.shtml)
2000. Glen Canyon Action Network Posters, Brochures, and Web Site (www.drainit.org)
1975. The Mountain Gazette, including Cover Photo.
1971. *California Water*. University of California Press. Cover Photo.
1965. Science, Cover Photo.
1965 and reprints. *On the Loose*. Terry and Renny Russell. Sierra Club Books.
1965 and reprints. *Time and the River Flowing*. Sierra Club Books.
1964. *The Glen Canyon*. Sierra Club Films.
1962 -67. Various Sierra Club Bulletins.

CHAPTERS, INTERVIEWS, AND ARTICLES THAT PROFILE ME

2013. KALX Spectrum Interviews
2011. "Richard Norgaard". Chapter 6 in *The Wildness Within: Remembering David Brower*. Kenneth Brower. Berkeley. Heyday Books.
2011. Conversation #13 *Ecological Economics* with Mary Evelyn Tucker in *Journey of the Universe: Conversations*. A film accompanying the film *Journey of the Universe,* InCa Productions, Northcutt Productions, Yale University School of Forestry, and KQED
2010. "Co-Evolutionary Economics (main originator: Richard Norgaard)". Chapter 9 in *Integral Economics: Releasing the Economic Genius of Society.* London. Gower Ashgate.
2009. "Toward a Common Wealth: Economist Richard Norgaard Decries the Gospel of Endless Wealth". Nathanael Johnson. *California Magazine*. Winter 2009 pages 37-41.
2009. Newsmaker, KALW Radio, May 11, 5pm. A ten-minute interview on the economic crisis and its relation to our environmental crises.

2005. "Return to a lost world of upside-down mountains". Barry Bergman. *Berkeleyan* **34**(6):8 (September 22).
2004. "Richard B. Norgaard". Chapter 8 in *The Changing Face of Economics: Conversations with Cutting Edge Economists*. Dave Colander, Ric Holt, and J. Barkley Rosser. Ann Arbor. University of Michigan Press
1992. Interview titled: Richard B. Norgaard. *Options* International Institute for Applied Systems Analysis.
1992. Interview titled: Wirtschaften für unsere Enkelkinder? *WEINER BLÆTTER* 05/92 pages 19-21.
1992. Warsh, David. Economics, Ecology: Twin sciences of the 21st century. Economic Principles. *The Boston Sunday Globe* (May 24): 29-30.
1992. The Price of Green. Economics Focus. *The Economist* (May 9): 87.
1992. Taking Future Generations into Account. Lynn Atwood. *Berkeleyan* **20**(12):

LISTED IN

Who's Who in Economics. Millennium Edition (1999, 3rd Edition, Mark Blaug editor, Edward Elgar)
The Futurist Directory. Millennium Edition
Marquis Who's Who in America or the West (since 1970)

PERSONAL INFORMATION

Born: August 18, 1943 Washington D. C.
Married: June 19, 1965 to Marida Jane Fowle (divorced June 1976)
Children: Kari Marie Norgaard, born December 18, 1967; Marc Anders Norgaard, born November 7, 1970
Married: June 5, 1993 to Nancy A. Rader
Children: Mathiesen Rader Norgaard and Addie Nelle Rader Norgaard, born December 18, 1998

Manuscripts in process

Humanity's weakening grip on the future. University of Bolzano book

California's Sacramento-San Joaquin Delta: Reflections on Science, Policy, Institutions, and Management in the Anthropocene. Taylor and Francis. Kathleen Miller and other editors

Economism and the Econocene. Tellus Institute GTI essay

Manuscript commitments

State of Bay Delta Science intro, editing, and Chapter 14

Religion/Ethics and Ecological Economics, chapter for Mary Evelyn Tucker

Economics and discursive democracy (Dryzek handbook)

Earth's Future Commentary