

April  
2004

**GARDNER M. BROWN, JR.**  
Department of Economics  
University of Washington  
Seattle, Washington 98195  
(206) 543-5744 (office)  
(206) 523-7915 (home)

**Born:** Boston, Mass., December 15, 1935

**Education:**

University of California-Berkeley - M.A., Ph.D. 1964  
Antioch College - A.B. 1959

**Positions Held at University of Washington:**

Chairman, Department of Economics	1985-1990
Acting Chairman	1984-1985, 2000-2001
Director, Institute for Economic Research	1979-1984
Professor of Economics, Emeritus	2001-
Professor of Economics	1978-2001
Adjunct Prof., Inst. for Environmental Studies	1973-1995
Program on the Environment	1998-
Associate Professor of Economics	1973-1978
Assistant Professor of Economics	1965-1973

**Other Positions Held:**

Visiting Professor University of Cambridge	Spring, 1999
Visiting Professor, University of Gothenburg, Sweden	1998-1999, 2001-2004
Visiting Research Fellow Marine Policy Center, Woods Hall Oceanographic Institute	1992 - 1993 1991 - 1992
Visiting Research Fellow, Beijer Institute, Stockholm	May - 1992
Visiting Professor, Stanford University	1991 - 1992
Université de Genève, Invited Professor	May - 1989
University of Washington Visiting Exchange Professor, Université de Droit, d'Economie et des Sciences, Aix-Marseilles	March 1987
Visiting Professor, University of Aix-Marseilles II Centre National de la Recherche Scientifique,	1983-1984

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

France, Res. Fellow 1983-1984  
Visiting Scholar, University of Cambridge 1977-1978

**Honors**

Rockefeller Foundation Environmental Fellow 1977-1978  
Honorary doctorate from University of Gothenburg, 2001  
Resources for the Future University Fellow, 2000-

**BOOKS PUBLISHED:**

*The Preservation and Valuation of Biological Resources*, edited with Orians, Kunin and Swierzbinski, 1991

*Economics of Ocean Resources*, edited with J. Crutchfield, Washington Sea Grant, 1982

*Waterfowl and Wetlands: Toward Bio-Economic Analysis*, with Judd Hammack. Johns Hopkins University Press, 1974

*Cleaning Up Europe's Waters: Economics, Management, Policies*, with Ralph Johnson. Praeger Publishers, 1976

**ARTICLES PUBLISHED:**

"Different Property Rights Regimes in the Lake Victoria Multiple Species Fishery," with B. Berger and M. Kiara, *Environment and Development Economics*, accepted for publication, 2004.

"A Market Solution for Preserving Biodiversity: The Black Rhino," in Shogren and Tschirardt eds, *Protecting Endangered Species in the United States: Biological Needs, Political Realities, and Economic Choices*, Cambridge University Press, 2001.

"Using Antibiotics when Resistance is Renewable," with R. Rowthorn, in R. Laxminarayan, ed., *Battling Resistance to Antibiotics and Pesticides: An Economic Approach*, Resources for the Future, 2002.

"Bacterial Resistance and the Optimal Use of Antibiotics," with R. Laxminarayan, *Journal of Environmental Economics and Management*, 42, 183-206, 2001

"Heterogeneous Preferences Regarding Global Climate Change," with D. Layton, *Rev. of Econ. and Statistics*, 82, 616-624, 2000

"Renewable Natural Resource management and Use Without Markets," *Journal of Economic Literature*, December 2000.

"Why Economics Matters for Endangered Species Protection and the ESA," with Jason Shogren, John Tschirhart, et al., *Conservation Biology*, 13(6), December 1999, 1257-1261.

"When a High Discount Rate Encourages Biodiversity," with R. Rowthorn, *International Economic Review*, 40(2), May 1999

"Economics of the Endangered Species Act," with J. Shogren, *J. of Economic Perspectives*, 12, 1998.

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

"A Metapopulation Model with Private Property and a Common Pool," with Jonathan Roughgarden, *Ecological Economics*, 1997

"Resistance Economics: Social Cost and the Evolution of Antibiotic Resistance," with D. Layton, *Environment and Development Economics* 1, July 1996

"Biodiversity, Economic Growth and the Discount Rate," with Bob Rowthorn, in T. Swanson, ed., *The Economics and Ecology of Biodiversity Decline*, Cambridge University Press, 1995.

"Economic Values of Biodiversity" with E. Barbier, et al. in V.H. Heywood, ed. *Global Biodiversity Assessment*, United Nations Environment Programme, Cambridge University Press, 1995.

"An Ecological Economy: Notes on Harvest and Growth" with Jonathan Roughgarden, in Charles Perrings, Karl-Göran Mäler, Carl Folke, C.S. Holling, and Bengt-Jansson, eds., *Biodiversity Loss, Economic and Ecological Issues*, Cambridge University Press, 1995.

"Estimating Non-use Values Requires Interdisciplinary Research," in B. Burgenmeier (ed.), *Economy, Environment and Technology: A Socioeconomic Approach*, M.E. Sharpe, 1994.

"The Marginal Cost of Species Preservation: The Northern Spotted Owl," *JEFM*, with Montgomery and Adams, 26, 1994. Reprinted in K. Willis, K. Button and P. Nijkemp, eds. *Environmental Valuation*, Vol. 1. Edward Elgar, 1999. The International Library of Environmental Economics and Policy, *Economics of Forestry*, Ashgate Pub. Ltd., 2002.

"The Inefficiency of Decentralized Non-Renewable Resource Extraction: The Case of Soviet Timber," with Kar-Yiu Wong, *JEEM*, 1993.

"Economics of Natural Resource Damage Assessment: A Critique," in R. Kopp and V.K. Smith (eds.), *Valuing Natural Assets: The Economics of Natural Resource Damage Assessment*, Resources for the Future, 1993.

"The Viewing Value of Elephants," in E.B. Barbier, ed., *Economics and Ecology: New Frontiers and Sustainable Development*, Chapter 9, Chapman and Hall, 1993.

"Economics of Species Preservation," with C. Montgomery, *Contemporary Policy Issues*, X, April, 1992

"Optimal Recovery Paths for Perturbations, Trophic Level Bioeconomic Systems," with J. Wilen, *Journal of Environmental Economics and Management*, 13, September, 1986

"Estimating the Cost of Oil Spills: Lessons from the AMOCO-CADIZ Incident," with T. Grigalunas, et al., *Marine Resource Economics*, 1986

"Preserving Endangered Species and Other Biological Resources," in *Ricerca Economica* XXXIX, 4 (Oct.-Dec. 1985). reprinted in *The Science of the Total Environment* 56 1986

"Harvest Policies and Non-Market Valuation in a Predator-Prey System," with D. Ragozin, *Journal of Environmental Economics and Management*, 12, 1985

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

"The Hedonic Travel Cost Method," with R. Mendelsohn, in *Review of Economics and Statistics*, LXVI, 3, August, 1984

"A Model for Valuing Endangered Species," *Journal of Environmental Economics and Management*, 1984

"Pollution Control by Effluent Charges: It Works in the Federal Republic of Germany, Why Not in the U. S.?" (with Ralph W. Johnson), *The Natural Resources Journal*, October 1984

"Revealed Preference Approaches to Valuing Outdoor Recreation," with R. Mendelsohn, *Natural Resources Journal*, July 1983

"Steel and Energy Substitution in U. S. Manufacturing 1947-1971" with V. Gamponia, *Southern Economic Journal*, 1981

"Characterizing a Production or a Cost Function by Elasticities of Substitution," with Heejoon Kang, *Review of Economic Studies*, October, 1980

"An Assessment of Water Quality Management Policies in Selected Industrialized Countries," with J. Ph. Barde and P-F. Teniere-Buchot, *Ambio*, 1979

"Implications of Alternative Measures of Natural Resource Scarcity: with Barry Field, *Journal of Political Economy*, April 1978

"Economic Valuation of Shoreline: A Reply," with H. Pollakowski, *Review of Economics and Statistics*, 1979

"Economic Valuation of Shoreline," with H. Pollakowski, *Review of Economics and Statistics*, August 1977

"Mallard Population Dynamics and Management Models," with Hammack and Tillman, *Journal of Wildlife Management* 40 (3), 1976 Reprinted in Resources for the Future reprint series.

"An Optimal Program for Managing Common Property Resources with Congestion Externalities," *JPE*, May/June, 1974

"Welfare-Maximizing Price and Output with Stochastic Demand: Reply" with M. B. Johnson, *American Economic Review*, March 1973

"Dynamic Economic Management of Migratory Waterfowl," with Judd Hammack, *Review of Economics and Statistics*, February 1973

"Economic Optimization of a Single Cell Aquifer," with Robert Deacon, *Water Resources Research*, June 1972

"Pricing Seasonal Recreational Services," *Western Economic Journal*, June 1971

"The Price and Output of Public Services Under Uncertainty: Reply," with M. B. Johnson, *American Economic Review*, June 1970

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

"Dynamic Efficiency of Quality Standards or Charges," with Brian Mar. *Water Resources Research*, 4 December 1968

"The Price and Output of Public Services Under Uncertainty," with M. B. Johnson. *American Economic Review*, March 1969

"The California Water Project: Is Public Decision-Making Becoming More Efficient?" *Water Resources Research*, 4 June 1968

"A Socially Optimum Pricing Policy for a Public Water Agency," with C. B. McGuire, Working Paper No. 148, Center for Research in Management Science, University of California, Berkeley, Calif. (mimeographed) Published in *Water Resources Research* 3, First Quarter, 1967. Reprinted in V. Smith (ed.), *Economics of Natural and Environmental Resources* (Gordon and Breach, 1977), and in P. Dasgupta and K-G Maler (ed.), *Environmental Decision-Making* (UNEP, 1983)

**PAPERS IN EDITED VOLUMES, REPORTS, PROCEEDINGS:**

"Benefits of Biodiversity Evaluation: Why Biodiversity Valuation is Imperative," in Investing in Biological Diversity: The Cairns Conference, OECD, 1997.

"Management of Wildlife and Habitat in Developing Economies," in P. Dasgupta and K-G Maler (eds.), *Environment and Emerging Development Issues*, Oxford University Press, 1997, paperback in 2000.

"Biodiversity, Economic Growth and the Discount Rate," in Timothy Swanson (ed.), *The Economics and Ecology of Biodiversity Decline*, Cambridge University Press, 1995.

"Rural Amenities and the Beneficiaries-Pay-Principle," Rural Development Program, OECD, 1993.

"Methods for Valuing Acidic Deposition and Air Pollution Effects, Part A," with Mark Plummer, National Acid Precipitation Assessment Program, SOS/T Report No. 27, December 1989.

"The Economic Value of Elephants," with W. Henry. International Institute for Environment and Development, LEEC Paper 89-12, London Environmental Economics Centre, 1989.

"Optimal Genetic Resources in the Context of Asymmetric Public Goods," Paper presented at Sixth Pacific Coast Resource Modeling Conference, 1987. Published in *Essays in Honor of John Krutilla*, Johns Hopkins Press, 1988.

"Valuing Oregon Salmon by Using a Multimarket, Hedonic Travel-Cost Method," in D. Hueth et al., eds., *Sport Fishing: A Comparison of Three Indirect Methods for Estimating Benefits*, U. S. Department of Agriculture, Pacific Northwest Research Sta. Res. Paper PNW-RP-395, 1988.

"Net Economic Recreation Values for Deer and Waterfowl Hunting and Trout Fishing, 1980," with Michael Hay, U. S. Fish and Wildlife Service, Div. of Policy and Directives Management, Working Paper No. 23, 1987.

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

"When Do Bells and Whistles Make Finer Music? Static Versus Dynamic Models in Fishery Management," *Essays in Honor of James Crutchfield*, Ed Miles et al. ed., University of Washington Press, 1986.

"Endangered Species, Genetic Capital and Cost Reducing R & D," with J. Swierzbinski, International Symposium on Economics of Ecosystem Management, September 1983, Halkadiki, Greece. *Economics of Ecosystem Management*, D. O. Hall, N. Myers and N. S. Margaris, Eds., Ch. 15, pp. 111-127 (1985)

"The Effluent Charge System in The Federal Republic of Germany," with Ralph Johnson, Office of Policy Analysis, EPA, July 1985

"Economic Instruments: Alternatives or Supplements to Regulations?" in OECD, *Environment and Economics Issue Papers*, International Conference, June 1984

"Economic Instruments: Review and Outlook," in OECD, *Environment and Economics*, Background Papers, Vol. 11, International Conference, June 1984

"Tourists and Residents," Chapter 4 in NOAA, *Assessing the Economic Damage of Oil Spills: The AMOCO CADIZ Case Study*, Feb./March 1983

"Optimal Harvest Policies in a Predator-Prey System, with David Ragozin in R. Lamberson, *Mathematical Models of Renewable Resources*, Humboldt State University Mathematical Modeling Group, 1982

"Estimating Non-Market Economic Losses from Oil Spills: AMOCO CADIZ, Steuart Transportation, and Zoe Colocotroni," in *The Cost of Oil Spills*, OECD, Paris, 1982

"Recreation" in G. Brown and J. Crutchfield, ed., *Economics of Ocean Resources*, Washington Sea Grant, 1982 "Partial and Full Elasticities of Substitution and the Energy Capital Complementarity Controversy," with Heejoon Kang in E. Berndt and Barry Field, eds., in *Modelling and Measuring Natural Resource Substitution*, M.I.T. Press, Cambridge (1981)

"Recreation Valuation," in J. Powell and G. Loh, *An Economic Analysis of Non-Timber Use of Forest Land in the Pacific Northwest* in the Forest Policy Project, Pacific Northwest Regional Commission, Vancouver, Washington (May 1981)

"The Adequacy of Measures for Signaling the Scarcity of Natural Resources," with Barry Field, in V. Kerry Smith, ed.), *Scarcity and Growth Reconsidered* (Johns Hopkins University Press 1979), pp. 218-248

"Criteria for an Appropriate Institutional Structure," in *Regional Environmental Policy: The Economic Issues*, ed. by H. Siebert et al., N. Y. University Press, 1979

"The Value of Wildlife Estimated by the Hedonic Approach," U. S. Fish and Wildlife Service, Division of Program Plans, Working Paper No. 6, Washington, D. C. (with J. Charbonneau and M. Hay), 1978a

"Estimating Values of Wildlife: Analysis of the 1975 Hunting and Fishing Survey," U. S. Fish and Wildlife Service, Division of Program Plans, Working Paper No. 7, Washington, D. C. (with J. Charbonneau and M. Hay), 1978b

"The Viewing Value of Elephants," prepared for the Ivory Trade Review Group, Oxford, England (1989)

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

"Promising Research Topics Regarding Non-Consumptive Use of Forest Related Lands," in *Research in Forest and Forest Policy* (Johns Hopkins Press, 1977)

"Comprehensive Management and Effluent Charge Systems in European Water Management," with Ralph Johnson, International Association for Administration, Caracas, 1976

"Charge and Subsidy Programs of Several European Countries," in *The Practical Application of Economic Incentives to the Control of Pollution*, 1977

"Effluent Charges," with A. Kneese, S. Rose-Ackerman, and O. Davis, *National Technical Information Service*, 1976

"Choice of Tools in Environmental Problems: Discussion," in Edwin Mills (ed.) *Economic Analysis of Environmental Problems*, NBER, 1975

"A Preliminary Investigation of the Economics of Migratory Waterfowl," (with Judd Hammack) in *Natural Environments: Studies Theoretical and Applied Analysis* (Johns Hopkins University Press, 1974), pp. 171-204

"Some Economic Aspects of Groundwater Use," in C. Corker, *Ground Water Law Management and Administration*. 120 pp. Legal Study 6, report prepared for the National Water Commission, 1971. (Chapter in monograph.)

"Economic Valuation of the 1967 Sport Salmon Fishery of Washington," with Steven Matthews. *Washington Department of Fisheries Research Bulletin*. Technical Report 2. 1970

"A Money Flows Approach to Investment in Game Management," (with James A. Crutchfield) *Proceedings of the Conference on Management of African Wildlife*, Nairobi, Kenya. July 1967

"The Economics of Irrigated Agriculture," in *Water Resources Management and Public Policy*. Seattle: University of Washington Press, 1968

"Forecasting Industrial Water Demand: Critique," in *Forecasting the Demands for Water* (Derrick Sewell and Blair Bower, eds.) Ottawa: Department of Energy, Mines and Resources, 1968

"The Projection of Washington State Economic and Population Growth, 1980 - 2020" Sec. III, "Industry Growth Projection," Appendix F; "Industrial Demand for Water, 1980 and 2020," Appendix C, in *An Initial Study of the Water Resources of the State of Washington*. Pullman: State of Water Research Center, 1967. Technical Report.

"Competition for Water in an Expanding Economy: The Case of Irrigated Agriculture: Discussion," in *Water Resources and Economic Development of the West* 16, 1967

**RESEARCH RECENTLY COMPLETED AND IN PROGRESS:**

"Lake Victoria Fisheries: Policy Conflicts Created by Predator-Prey Relations with Bret Berger and Moses Ikiara, under review.

"Capturing the Value of National Parks in Zimbabwe," with Michael Ward and Doris J. Jansen.

"Optimally Pricing Game Parks in Kenya," with Tim Swanson, Michael Ward and Dominic Moran.

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

“Crowding and Endogenous Population Growth During Economic Development.”

“Antibiotic use in a Renewable Setting”

“Valuing Multiple Programs to Improve fish Populations,” with D. Layton and M. Plummer.

“Maximum Sustained Yield and Maximum Economic Yield in a Zanzibar Fishery.”

**RESEARCH GRANTS AND FELLOWSHIPS:**

Fulbright Fellowship, India (declined)	1963-64
University of California Water Research Center	1963-64
Ford Foundation Grant, University of California, Center for Research in Management Science	1965
State of Washington Water Research Center	1966-69
Resources for the Future	1967-69; 1972
University of Washington, Summer Salary Award	1971
University of Washington, Sea Grant	1971-72
National Science Foundation	1973-75
American Council of Learned Societies, Travel Grant	1974
National Science Foundation	1975-76
State of Washington Water Research Center	1975
Rockefeller Foundation Fellowship	1977-78
National Science Foundation	1977-78; 1979
NOAA, Bioeconomic Analysis	1980-82
Sloan Foundation	1980-85
NOAA, Ocean Resources Conference	1980-82
BARD-U.S.-Israel Agric. Research & Development Fund	1982-85
NSF-International Cooperative Research Grant	1983-85
University of Aix-Marseilles II	
Visiting Faculty Fellowship	1987
University of Washington, Provost's University Competition	1990-1991
USFS	1990-1991
National Marine Fisheries Service	1991-1992
National Science Foundation (\$234,000)	1992-1994
United Nations	1994-1996
Washington Department of Ecology	1994-
Electric Policy Research Institute	1996-1998
SIDA, Sweden	2000-
National Center for Ecological Analysis and Synthesis	2002-2003

**EDITORIAL BOARD:**

<i>Journal of Environmental Economics and Management</i>	1980-1989;
Associate Editor	1998-2001
<i>Journal of Marine Resource Economics</i>	1982-1993
<i>Environment and Development Economics</i>	1996-
<i>International Journal of Agricultural Resources, Governance and Ecology</i>	2000



**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

**REVIEWER: Recent**

*Quarterly Journal of Economics*  
*Journal of Political Economy*  
*Review of Economics and Statistics*  
*Journal of Marine Resource Economics*  
*Review of Economic Studies*  
*American Economic Review*  
*Canadian Journal of Fisheries and Aquatic Sciences*  
Cambridge University Press  
National Science Foundation  
*Journal of Environmental Economics and Management*  
*American Journal of Agricultural Economics*  
*Land Economics*  
*Journal of Urban Economics*  
*Ecological Economics*  
Social Science Research Council (Canada)  
*Journal of Business and Economic Statistics*  
*Western Journal of Agricultural Economics*  
*Marine Resources Economics*  
*Coastal Zone Management Journal*  
*Journal of Urban Economics*  
National Sea Grant  
National Oceanic and Atmospheric Administration  
M.I.T. Press  
Sloan Foundation  
National Research Council  
Ambio  
Wisconsin Sea Grant  
Rhode Island Sea Grant  
Pacific Northwest Halibut Commission  
Northwest Environmental Journal

**PAPERS DELIVERED SINCE 1980:**

Resources for the Future	2003
Stanford University	2003
University of Colorado	2003
University of Gothenberg	2002
Columbia University	2000
University of Calgary	2000
University of Geneva	2000
University of Umea	1999
University of Oregon	1999
University of Trondheim	1998
University of Gothenberg	1998
European Association of Environmental and Resource Economists, Venice, Italy	1998
Beljer Institute, Stockholm, Sweden	1998
NBER Workshop, Environmental Economics	1998

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

American Agricultural Economics Association	1998
Economic Research Service, Rural Land use Conferences	1998
NOAA Workshop on the Application of Stated Preference Methods to Resource Compensation	1998
Conference, Social Order and Endangered Species Act, U. of Wyoming	1997
American Association of Environmental and Resource Economics, Annapolis, MD	1997
Western Economic Association, Seattle, WA	1997
American Association for the Advancement of Science	1997
American Economics Association (Discussant), New Orleans, LA	1997
OECD Workshop on Biodiversity, Cairns, Australia	1996
Conference, Ecological Economics Workshop, U. of California, Santa Barbara	1996
UNEP Workshop on Valuation Methodologies, Bali	1995
Beijer Institute of Ecological Economics, Environment and Development Conference, Stockholm	1995
Stanford University	1995
American Economics Association, AERE	1994
AAAS Annual Meeting, Boston 1993; UW School of Law, Water Resources Conference; Biological Diversity Conference, Cambridge England; OECD, Rural Amenities Workshop, Paris	1993
Conference, Environment and Development, Conflict and Convergence, Geneva	1992
Beijer International Institute of Ecological Economics	1991-1992
First & Second Conference on the Ecology and Economics of Biodiversity Loss, Stockholm	
Conference on the Complex Ecological Economic Systems Dynamics, Stockholm	1992
Gruter Institute Conference on Uses of Biology in the Study of Law, Squaw Valley	1992
AEA Meetings; U. of Michigan; Stanford; Univ. of Calif. Berkeley and Santa Barbara	1992
Western Economic Meetings	1991
Socioeconomic Approach to the Environment, Geneva	1991
AAAS Annual Meeting, Washington, D.C.	1991
Stanford University	1990
UN Wider Conference on the Environment and Emerging Development Issues, Helsinki	1990
International Conference on Acid Rain, Hilton Hotel, SC	1990
Library of Congress, Washington, D.C.	1990
Rockefeller Foundation, Bellagio, Italy	1990
Woods Hole Oceanographic Institute	1990
University of Geneva	1989
AERE Workshop on Fishery Economics Research, Seattle (discussant)	1988
University of Colorado, Natural Resource Law Center	1988
Arizona State University, Tucson	1988
Universite de Droit, d'Economie et des Sciences, Aix-Marseille, France	1987
Pacific Coast Resource Modeling, Vancouver, B.C.	1987
Pacific Coast Resource Modeling, Vancouver, B. C.	1987

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

Giannini Foundation Lecturer, Berkeley, Davis, CA	1986
International Conference on Man's Role in Changing the Global Environment, Venice	1985
University of Michigan	1985
Universities of Nice, Aix-Marseilles II, and Bordeaux; the Global Environment, Venice	1985
International Symposium on Economics of Ecosystem Management, Halkadiki, Greece	1983
OECD Workshop on Genetic Diversity, Paris	1984
National Fisheries Research Institute, Nantes	1984
Western Economic Association Meetings	1983, 1982, 1981
EPA, FRG and German Marshall Fund Seminar, Bonn	1983
Woods Hole Oceanographic Institute	1982
American Economic Association	1982, 1980, 1979
Ben Gurion University of the Negev, Hebrew University, Tel Aviv, Israel	1981
University of Mannheim	1982
Western Association for the Valuation of Ecosystems	1981
U. S. Strategy Conference on Biological Diversity, Panel Member	1981
OECD Conference on Damages from Oil Spills, Paris	1981
Ocean Resources Economics Conference	1981
Workshop on Uncertainty in Fisheries Economics, discussant	1981
Atlantic Economic Society	1980

**ASSOCIATIONS:**

American Economic Association  
 American Association of Environmental Economists

**CONSULTANT:**

1970-78:	National Water Commission U. S. Forest Service Quinault Indian Reservation United Nations, FAO, Water Resources Branch Sierra Club Audubon Society National Commission on Water Quality OECD, State of Washington, Departments of Revenue and Fisheries
1982-83:	U. S. EPA; U. S. Forest Service; State of Washington Department of Commerce and Economic Development
1979-92:	U. S. Department of the Interior
1979-:	Various law firms
1985-86:	U. S. Department of Commerce
1987-90:	State of Washington, Department of Environment
1989-:	State of Alaska

**Gardner M. Brown, Jr.**  
**Curriculum Vitae**

1987-: NOAA  
1991-1993: U. S. AID  
1993-1995 World Bank  
1995-1997 Deloitte and Touche  
1997-1999 Puget Sound Energy  
1999- SIDA  
2004 Stratus

**MAJOR UNIVERSITY COMMITTEES**

Program on the Environment, Governing Board 1999-2001  
Royalty Research Fund 1996-1998  
President's Task Force on Environmental Education 1995-1996  
Conservation, Biodiversity Advisory Committee 1993-1995  
Arts and Sciences College Council  
Academic Senate  
Dean's Review Committee of Textiles and Nutritional Sciences Program  
Policy and Tenure Committee, Economics, and the Institute for Environmental Studies  
Personnel Committee, Department of Economics  
Academic Senate's Appeal Committee; Termination of 1983  
the SMT Program  
Search Committee for Chairman, Political Science Department 1990  
Urban and Economic Development Interdisciplinary  
Research Group  
Search Committee for Chairman, American Ethnic Studies, 1987 - 1993  
European Faculty Exchange Committee

**RECENT NATIONAL COMMITTEES:**

Member, National Science Board, 1988 - 1990  
Task Force on Global Biodiversity:  
1990.  
Member, National Research Council, Committee for 1988 - 1992  
Review of Outer Continental Shelf,  
Socio-Economics Panel,  
Member of American Economic Association/AAAS 1987 - 1992  
Liaison Committee,  
Member, National Research Council, National Academy of Sciences 1992 - 1994  
Ocean Studies Board, Committee on Fisheries  
Member, National Research Council, National Academy of Sciences 1992 - 1994  
Committee on Endangered Species  
Member, National Resource Council, Nation Academy of Sciences, Cumulative 2001 - 2002  
Environmental Effects of Oil and Gas Activities on Alaska's North Slope