

CURRICULUM VITAE
OF
HERMAN EDWARD DALY

PERSONAL

Citizenship: U.S.A.
Date and Place of Birth: July 21, 1938, Houston, Texas
Marital Status: Married, two children.

Present Position: Professor, University of Maryland, School of Public Affairs, College Park, MD 20742-1821 (from Jan. 1994-2010), Emeritus Professor, (2010--?)

Major Interests: ecological economics, population, environmental economics, resource economics, economic development.

Regional Interest: Latin America

EDUCATION AND EXPERIENCE

High School: Lamar High School (Houston), graduated cum laude, 1956

University: Rice University (Houston), B.A., Economics, cum laude, 1960. (Augmented Academic Program)

Graduate: Rice University, 1960-61. Vanderbilt University (Nashville, Tennessee), 1961-62, Ph.D. awarded January, 1967.

Professional Positions: Vanderbilt (instructor), spring and summer, 1964.
Louisiana State University (assistant professor), 1964-67.
Ford Foundation, Visiting Professor of Economics at the University of Cear Brazil, 1967-68.
Louisiana State University (associate professor) 1968-69.

Yale University 1969-70 (research associate)

Louisiana State University (associate professor, 1970-72, professor, 1973, recipient of LSU's Distinguished Research Master Award, 1976;

Australian National University, Visiting Fellow, Centre for Resources and Environmental Studies, and Department of Demography, Summer 1980. Fulbright Senior Lecturer, Brazil, Summer, 1983.

Louisiana State University, Alumni Professor of Economics, 1983-88.

World Bank, Washington, DC, Senior Economist 1988-94.

Professional Honors :

Doctor of Science, *Honoris Causa*, Muhlenberg College, May, 1992.

Grawemeyer Award for Ideas Improving World Order, 1991 (For the Common Good).

Kenneth Boulding Memorial Award for Contributions to Ecological Economics, 1994.

Conservation Biology Society Award, 1995.

Royal Netherlands Academy of Arts and Sciences, Heineken Prize in Environmental Sciences, 1996.

Honorary Right Livelihood Award, Stockholm, Sweden, 1996.

Sophie Prize for Environment and Development, Oslo, Norway 1999.

Association of American Geographers "Honorary Geographer" for 1999.

Doctor of Humane Letters, *Honoris Causa*, Allegheny College, May, 2000.

Leontief Prize for Advancing the Frontiers of Economic Thought, 2001, awarded by Tufts University.

Medal of the Presidency of the Italian Republic, October, 2002.

National Council for Science and the Environment, Lifetime Achievement Award, January, 2010.

Club of Rome (International Member, elected 2011).

Blue Planet Prize, (Japan) 2014.

Business Experience: Tennessee Gas Transmission, Budget Department, summer, 1961.
American Hardware Company (family business); summers, 1954-60, Houston, TX

Foreign Languages: Portuguese, Spanish.

PUBLICATIONS

Books:

Toward A Steady-State Economy, Editor & Contributor, W. H. Freeman and Co., San Francisco, 1973.

Steady-State Economics (Subtitle: "The Political Economy of Bio-physical Equilibrium and Moral Growth"), W. H. Freeman and Co., San Francisco, 1977.

Lo Stato Stazionario, Sansoni Editore, Firenze, Italy 1981).

Steady-State Economics: Second Edition, with New Essays, Washington D.C. : Island Press, 1991). British edition with Earthscan, 1992.

Economics, Ecology, Ethics (Subtitle: "Essays Toward a Steady-State Economy") Editor & Contributor, W. H. Freeman and Co., San Francisco, 1980. (Spanish edition, Economia, Ecologia, Etica, Fondo de Cultura Economica/Economia Contemporanea, Mexico, 1989).

Valuing the Earth: Economics, Ecology, Ethics, coedited with Kenneth Townsend, M.I.T. Press, Cambridge, MA, 1993.

Russian translation forthcoming.

Chinese translation, Commercial Press of Beijing, 2001.

Energy, Economics, and the Environment (Subtitle: "Conflicting Views of an Essential Interrelation"). Coeditor with Alvaro Umaña, and Contributor, American Association for the Advancement of Science, 1981, (AAAS Selected Symposium 64).

A Economia do Século XXI, Mercado Aberto Editora, Porto Alegre, RS Brasil, Translated by Renato Souza, 1984, 116 pages.

Ecological Economics, a special issue of the journal Ecological Modelling, (Elsevier: Amsterdam; The Netherlands) coedited with Robert Costanza, 1987.

For the Common Good : Redirecting the Economy Toward Community, the Environment, and a Sustainable Future, with John B. Cobb, Jr., Boston : Beacon Press, 1989, 482 pages.

Second English Edition, Updated and Expanded, 1994, Boston: Beacon Press.

Danish translation, 1991, Det Faelles Bedste, Hoveland.

Italian Translation, 1994, Un' Economia per il Bene Comune, red edizioni.
Spanish translation, Para el Bien Comun, by Fondo de Cultura Economica, Mexico, D.F., 1993. Chinese Translation, 2017.
Russian translation forthcoming.

Population, Technology, and Lifestyle : The Transition to Sustainability coeditor with R. Goodland and S. El Serafy, Island Press, 1992, Washington, D.C. Also published by UNESCO, 1991, Paris; under the title Environmentally Sustainable Economic Development : Building on Brundtland. Also in Norwegian translation with Foreword by Prime Minister Gro Harlem Brundtland.

Beyond Growth: The Economics of Sustainable Development, Boston: Beacon Press 1996.

Efter Vaeksten, (Danish translation of Beyond Growth), Forlaget Hoveland, Denmark, 1977.

Wirtschaft Jenseits Von Wachstum (Die Volkswirtschaftslehre Nachhaltiger Entwicklung), Verlag Anton Pustet, Salzburg-München, 1999. (German translation of Beyond Growth).

Japanese translation of Beyond Growth, 2006.

Natural Capital and Human Economic Survival, Thomas Prugh, with R. Costanza, J. Cumberland, H. Daly, R. Goodland, and R. Norgaard, ISEE Press, Solomons, MD, 1995.

An Introduction to Ecological Economics, (with R. Costanza, J. Cumberland, R. Goodland, and R. Norgaard), Boca Raton, Florida: St Lucie Press, 1997, 275 pages.

German edition, Einführung in die Ökologische Ökonomie, Stuttgart, Lucius & Lucius, 2001.

"The Contribution of Nicholas Georgescu-Roegen", Editor, Special Issue of Ecological Economics, September, 1997, Vol.22, No 3.

Ecological Economics and the Ecology of Economics : Essays in Criticism, Edward Elgar Publishers Lt'd., Cheltenham, U.K., May, 1999.

The Local Politics of Global Sustainability, with Thomas Prugh and Robert Costanza, Island Press, Washington, D.C., 2000.

Ecological Economics: Principles and Applications, with Joshua Farley, Island Press, Washington, D.C., 2004. Southeast Asia Edition, Pearson-Longman, Delhi, 2007. Second Edition, Island Press, 2010.

Ecological Economics (a workbook for problem-based learning), Joshua Farley, Jon D. Erickson, and Herman E. Daly, Island Press, Washington, D.C., 2005.

Ecological Economics and Sustainable Development (Selected Essays of Herman Daly), Edward Elgar Publishers, Cheltenham, U.K. ,2007.

Danish edition, 2009, Hoveland Publishers.

From Uneconomic Growth to a Steady-State Economy, Edward Elgar Publishers, Cheltenham, U.K., 2014. French translation 2018. Chinese translation 2019.

Journal Editorship:

Ecological Economics, (Elsevier), associate editor and co-founder-- journal of the International Society for Ecological Economics. Acting Chief Editor, 1995.

Articles:

"The Uruguayan Economy: Its Basic Nature and Current Problems," Journal of Inter-American Studies, July, 1965.

"An Historical Question and Three Hypotheses Concerning the Uruguayan Economy," Inter-American Economic Affairs, Summer, 1966.

"A Brief Analysis of Recent Uruguayan Trade Control Systems," Economic Development and Cultural Change, April, 1967.

"Triple Revolution, Marginal Productivity, and Price Socialism," Co-existence (University of Glasgow), January, 1967.

"A Note on the Pathological Growth of the Uruguayan Banking Sector," Economic Development and Cultural Change, Vol. 16, No. 1, 1967.

"Equivalent Multiple Exchange Rates and Trade Control: A Theoretical Viewpoint and a Planning Model," Revista Brasileira de Economia, September, 1967. (In Portuguese.) Followed in next issue by comment from Charles P. Kindleberger.

"On Economics as a Life Science," Journal of Political Economy, June, 1968. Reprinted in Economics, Ecology, Ethics, 1980. Translated with commentary by G. Girone, G. Lagioia, e G. Tricase, "Sulle analogie fra fatti economici e fatti biologici e un dimenticato saggio di Herman Daly", Annale della Facolta' di Economia e Commercio della Universita' di Bari, N.S.. 31, pp. 227-251 (1992). Reprinted in R. Costanza, C. Perrings, and C. Cleveland, The Development of Ecological Economics, Cheltenham, U.K., Edward Elgar, 1997, pp.15-29.

"Economic Development and the Population Question in Northeast Brazil." Revista Brasileira de Economia. (In Portuguese.) Dec., 1968.

"The Population Question in Northeast Brazil: Its Economic and Ideological Dimensions," Economic Development and Cultural Change, July, 1970. Reprinted by Yale Economic Growth Center, Center Papers. Reprinted in Spanish in Demografia y Economia, No. 9 (Mexico City).

"Some Observations on the Causes and Consequences of the Shortage of Change in Northeast Brazil," Journal of Political Economy, Jan., 1970.

"Marxian-Malthusian Foundations of Economic-Demographic Policy: A General Suggestion with Specific Remarks on Its Relevance to Latin America," International Union for the Scientific Study of Population Conference Regional Latinoamericana de Poblacion, Mexico 1970, Actas, 2, pp. 363-370. (In Spanish.)

"Towards a Stationary-State Economy" in Patient Earth, J. Harte and R. Socolow, eds. Holt, Rinehart and Winston, 1971. Reprinted in anticipation of publication by Yale Alumni Magazine, May 1970. Reprinted ZPG National Reporter, March 1971. Reprinted in Readings in Human Population Ecology, Wayne H. Davis, ed. Prentice-Hall 1972. Reprinted in Economic Growth vs the Environment. W. Johnson and J. Hardesty, eds., Wadsworth, 1971. Reprinted in Japanese in Keizaigaku Kyoshitu, Tokyo, November 1975. Reprinted in part in E. L. Wheelwright and J.B. Stillwell, Readings in Political Economy, Australian and New Zealand Book Co., Ltd., Sydney, 1976, under title of "Economic Systems and Biophysical Systems."

"Trends in Economic Interpretations in Latin America: The Shifting Balance Among Neo-Classical, Neo-Marxist, and Neo-Malthusian Views" Annals of the Southeastern Conference on Latin American Studies, March, 1971.

"The National Economy: How High Is Up?" Consulting Engineering, March, 1971.

"A Marxian-Malthusian View of Poverty and Development," Population Studies, (London School of Economics), March 1971. Reprinted by Yale University Economic Growth Center, Center Papers. Reprinted in Portuguese translation in Vale do Rio dos Sinos, Area Econômica, Ano 1973, No. 8, pp. 51-70.

"The Stationary-State Economy: Toward a Political Economy of Biophysical Equilibrium and Moral Growth", University of Alabama, Distinguished Visiting Lecture Series, No. 2, September, 1971. Reprinted in ZPG National Reporter, September, 1971. Reprinted in The Ecologist, (London) June, 1972. Reprinted in Environment and Future (Sweden, "Milgo Och Framtid") 1973.

"The Political Economy of Population in Brazilian Economic Development", in H. Jon Rosenbaum and William Tyler, eds., Contemporary Brazil: Issues in Economic and Political Development, New York: Frederick A. Praeger, 1972.

"Electric Power, Employment, and Economic Growth", invited paper, AAAS Symposium on Energy Crisis, 1971. Published in Congressional Record, Feb. 8, 1972 at the request of Senator Phillip Hart. Reprinted in Energy and Human Welfare : A Critical Analysis, edited by Barry Commoner, Howard Boksenbaum, and Michael Coor, Macmillan Information, Riverside , New Jersey, 1974. Reprinted in Toward a Steady-State Economy 1973.

"In Defense of the Steady-State Economy, American Journal of Agricultural Economics, December, 1972.

"Institutions Necessary for a Steady-State Economy : " Three Suggestions" , IDOC, September, 1972. Reprinted in German in Umwelt (Swiss Environmental Journal). Reprinted in The Ecologist, March, 1973. Reprinted by United States Information Service.

"Long Run Constraints and Trade-Offs Between Human and Artifact Populations", International Population Conference, International Union for the Scientific Study of Population, Liege, Belgium, 1973, Vol. 3, pp. 453-60.

" A Model for a Steady-State Economy", in Growth and Its Implications for the Future Part I, pp. 435-457, Hearings before the Subcommittee on Fisheries and Wildlife Conservation and the Environment of the Committee on Merchant Marine and Fisheries, House of Representatives, 93rd Congress, First Session, May 1, 1973. Reprinted in The Forensic Quarterly, August, 1975. Reprinted in Beyond Growth : Essays on Alternative Futures, Yale University, School of Forestry and Environmental Studies, Bulletin No. 88, 1975.

"Steady-State Economics vs. Growthmania : A Critique of the Orthodox Conceptions of Growth, Wants, Scarcity, and Efficiency" in Policy Sciences, Fall, 1974. Reprinted in P.C. List and R. O. Clarke, eds., Environmental Spectrum, D. Van Nostrand, 1974. Reprinted in Japanese in Keizai-Seminar, August, 1975.

"The Economics of the Steady State" American Economic Review, Papers and Proceedings, March, 1974. Reprinted in Spanish in Demografia y Economia, Vol. VIII, No. 3, Mexico City. Reprinted in Japanese in Keizaigaku Kyoshitsu, Tokyo, November, 1975.

" The Population Question in Northeast Brazil: Reply", Economic Development and Cultural Change, January, 1976.

"Energy Demand Forecasting : Prediction or Planning?", Journal of American Institute of Planners, January, 1976, pp. 4-16.

" The Developing Economies and the Steady State", The Developing Economies, September, 1975, pp. 231-242.

"Three Views of Current Brazilian Economic Development", Revista Interamericana Review, Vol. 5, No.2. Summer 1975, pp.250-257.

The Steady-State Economy : What, Why, and How?", in The Sustainable Society, Dennis Pirages, ed., New York: Praeger Publishers, 1977, pp. 107-130.

Chapter 3 in Economic Growth in the Future, Edison Electric Institute, McGraw-Hill, 1975 (coauthored with E. J. Mishan).

"The Steady-State Economy", in Prospects for Growth, Kenneth D. Wilson, ed., New York: Praeger Publishing Co. , 1977, pp. 263-282. Reprinted in Timothy O'Riordan and R. Kerry Turner, eds., An Annotated Reader in Environmental Planning and Management, Pergamon Press, Oxford, 1983, pp. 237-253.

"On Limiting Economic Growth", in Dennis Meadows, ed., Alternatives to Growth, Ballinger Press, 1977.

"The Transition to a Steady-State Economy", Joint Economic Committee of Congress, U.S. Economic Growth from 1976 to 1986 : Prospects, Problems, and Patterns, December 2, 1976, U.S. Government Printing Office, Washington, D.C., Volume 5, The Steady-State Economy, pp. 13-39.

"The Steady-State Economy and the Consumers", in Norman Kangan and Lee Richardson, eds., Consumerism : New Challenges for Marketing, American Marketing Association, Chicago, 1978.

"Entropy, Growth, and the Political Economy of Scarcity", in V. Kerry Smith, ed. Scarcity and Growth Reconsidered, Resources for the Future, Johns Hopkins University Press, Baltimore, 1979, pp.67-94. Reprinted in Frederick Buttel, Annette Frahm, and Craig R. Humphrey, eds., Environment and Society, Pennsylvania State University Press.

"On Thinking About Energy in the Future", in Sociopolitical Effects of Energy Use and Policy, Charles F. Unsel et al. eds., Committee on Nuclear and Alternative Energy Sources of the National Academy of Sciences, 1979, pp. 229-241. Reprinted in Natural Resources Forum, United Nations, October ,1979, Vol. 3 No. 1, pp. 19-26. Reprinted in Habitat Australia, October, 1979, pp. 26-30.

"Ethical Implications of Limits to Global Development", in W.M. Finnin, Jr. and G.A. Smith, eds., The Morality of Scarcity, Louisiana State University Press, 1979, pp.37-57.

"Decision Criteria for Needs for Nuclear Fuel--A No-Growth Perspective", in Robert G. Sachs, ed., National Energy Issues--How do We Decide?", proceedings of a Symposium of the American Academy of Arts and Sciences, and Argonne National Laboratories, Ballinger Publishing Co., Cambridge, Mass., 1980, pp. 21-37.

"The Economic Thought of Frederick Soddy", History of Political Economy, 12 (4) 1980. Reprinted in George B. Kauffman ,ed. , Frederick Soddy (1877-1956) : Early Pioneer in Radio Chemistry, D. Reidel, 1986. Reprinted in Japanese in "Economic Review", translated by Professor Kenji Katsuragi, Toyama University.

"Economic Growth, Non-Growth, and Freedom", in Steve Halpern, ed., The Future of Our Liberties : Perspectives on the Bill of Rights, Greenwood Press, Westport, Ct., 1982, pp.167-176.

"Reflections on Boulding's 'Income or Welfare ?'", Journal of Social and Biological Structures, 1981, 4.

"Enough is Enough : The Economic Concept of Sufficiency", in Life After'80 : Environmental Choices We Can Live With, Kathleen Courrier, ed. , Andover, Mass. : Brick House, 1980.

"Growth Economics and the Fallacy of Misplaced Concreteness : Some Embarrassing Anomalies and an Emerging Steady-State Paradigm", American Behavioral Scientist, September 1980, pp.79-105.

"The Ecological and Moral Necessity for Limiting Economic Growth", in Roger Shinn, ed., Faith and Science in an Unjust World, Vol.I, Plenary Presentations, World Council of Churches, Geneva, 1980, pp. 212-220.

"Economics, Ethics, and Cost-Benefit Analysis", Human Systems Management, Vol.2, No. 1, April, 1981. Comment and Reply in subsequent issue.

"The Steady-State Economy : What ,Why, and How?", in Robert Birrill, Doug Hill, and John Stanley, eds., Quarry Australia? (Social and Environmental Perspectives on Managing the Nation's Resources), Melbourne: Oxford University Press, 1982, pp. 251-260.

"Postscript : Unresolved Problems and Issues for Further Research", in H. E. Daly and A. F. Umaña, eds., Energy, Economics, and the Environment : Conflicting Views of an Essential Interrelationship, Boulder, Colorado : Westview Press, 1981.

"Three Visions of the Economic Process" in Richard Barrett, ed., International Dimensions of the Environmental Crisis, Boulder, Colorado : Westview Press, 1982, pp. 63-73. Reprinted in The Human Economy Newsletter, Vol. 4, No. 2, Summer/Fall, 1983, pp. 3-9.

"Chicago School Individualism versus Sexual Reproduction : A Critique of Becker and Tomes", Journal of Economic Issues, March, 1982.

"Review Essay on Julian Simon's The Ultimate Resource," in Bulletin of the Atomic Scientists, January, 1982. Followed by reply and rejoinder in the same journal, May, 1983.

"Alternative Strategies for Integrating Economics and Ecology", Integration of Economy and Ecology : An Outlook for the Eighties, AnnMari Jansson, ed., University of Stockholm Press, 1984, pp.19-29.

"Crescimento ou Economia Estacionaria?", Fundação Bahiana Para Estudos Economicos e Sociais, Brazil, 1983, (Lecture and Debate published in pamphlet form).

"The Circular Flow of Exchange Value and the Linear Throughput of Matter-Energy : A Case of Misplaced Concreteness", Review of Social Economy, Vol. XLII, No. 3. December, 1985, pp, 279-297.

"Thermodynamic and Economic Concepts as Related to Resource-Use Policies : A Comment", Land Economics, Vol. 62, No. 3, August, 1986, pp.319-321.

"World Economic Outlook Towards the 21st Century: Some Speculations"
International Federation of Institutes of Advanced Study, Sweden, Proceedings from 1986 Conference in Tortosa, Spain, (forthcoming?)

"Equity and Efficiency--Problems of Implicit Redistribution," in Distributional Conflicts in Environmental Resource Policy, Alan Schnaiberg, Nicholas Watts, and Klaus Zimmerman for Wissenschaftszentrum, Berlin, Gower Publishing Co. Ltd., England, 1986, pp. 85-94.

"Marx and Malthus in Northeast Brazil : A Note on the World's Largest Class Difference in Fertility and its Recent Trends," Population Studies, July, 1985, Vol. 39, No. 2, pp. 329-338.

"The Economic Growth Debate : What Some Economists Have Learned, But Many Have Not", Journal of Environmental Economics and Management, 14 , 1987. Reprinted in Anil Markandya and Julie Richardson, eds., Environmental Economics: A Reader, St. Martin's Press, New York, 1992, pp. 36-47.

"Moving to a Steady-State Economy", in Paul R. Ehrlich and John P. Holdren, eds., The Cassandra Conference : Resources and the Human Predicament , Texas A & M University Press, 1988. Reprinted in Joseph DesJardins, Environmental Ethics, Mayfield Publishing C., Mountain View, CA, 1999, pp.126-35.

"Ultimate Confusion : The Economics of Julian Simon", Futures, Vol. 17, No. 5, October , 1985, pp. 456-460.

"On Sustainable Development and National Accounts", in D. Collard, D. Pearce, and D. Ulph, eds., Economics, Growth, and Sustainable Environments :Essays in Memory of Richard Lecomber, London : Macmillan, 1988.

"Toward a New Economic Model", Bulletin of the Atomic Scientists, April, 1986, pp. 42-44.

"Review Article on Population Growth and Economic Development : Policy Questions", a report by the National Academy of Sciences, special review symposium, Population and Development Review, Vol. 12, No. 3, September, 1986, pp.582-585. Reprinted in Kingsley Davis, et al., Population and Resources in a Changing World, Stanford University, 1989.

"Filters Against Folly in Environmental Economics : The Impossible, the Undesirable, and the Uneconomic", in G. Pillet and T. Murota, eds., Environmental

Economics : The Analysis of a Major Interface", Geneva : R. Leimgruber, 1987, pp.1-10.

"The Steady-State Economy : Alternative to Growthmania", Washington, D.C. : Population-Environment Balance, Monograph Series, April, 1987.

"A. N. Whitehead's Fallacy of Misplaced Concreteness : Examples from Economics", Journal of Interdisciplinary Economics, Vol.2, Issue 2, University of Exeter, U.K. ,1987.

"Toward an Ecological Economics", with Robert Costanza, Ecological Modelling, 38, September, 1987.

"The Steady-State Economy : Post-Modern Alternative to Growthmania", in David Ray Griffin, ed., Spirituality and Society : Postmodern Visions, Albany, New York : SUNY Press, 1988.

"A Biblical Economic Principle and the Steady-State Economy", in Covenant for a New Creation, edited by Carol S. Robb and Carl J. Casebolt, Graduate Theological Union, Orbis Books, Berkeley, CA, 1991.
Reprinted in Epiphany, Winter, 1992.

"Toward a Measure of Sustainable Social Net National Product", in Environmental Accounting for Sustainable Development, Yusef J. Ahmad, Salah El Serafy, and Ernst Lutz, eds. , Washington D.C. : The World Bank, 1989.

"Steady-State and Growth Concepts for the Next Century", in F. Archibugi and P. Nijkamp, eds. , Economy and Ecology : Towards Sustainable Development?, Dordrecht, Holland : Kluwer Academic Publishers, 1989.

"Politica Economico-Ambiental y Desarrollo Regional Sostenido", in Politica Regional en La Europa de los Anos 90, Proceedings of 1989 Conference, Ministerio de Economia y Hacienda, Barcelona, Spain.

"Allocation, Distribution, and Scale as Determinants of Environmental Degradation: Case Studies of Haiti, El Salvador and Costa Rica", with George Foy, September, 1989, World Bank Environment Department Working Paper#19.
Reprinted in Anil Markandya and Julie Richardson, eds., Environmental Economics: A Reader, St. Martin's Press, New York, 1992, pp. 297-315.

"Sustainable Development : From Concept and Theory Towards Operational Principles", Population and Development Review, special issue, Hoover Institution conference on population and resources, edited by Kingsley Davis and Mikhail Bernstam, also published separately by Oxford University Press, New York, 1991.

"Free Trade versus Community: Social and Environmental Consequences of Free Trade in a World with Capital Mobility and Overpopulated Regions", with John B.

Cobb, Jr., Population and Environment, Vol. 11, No. 3, Spring, 1990, pp. 175-191.

"Toward Some Operational Principles of Sustainable Development", Ecological Economics, Spring, 1990. (Reprinted in part in Earth Ethics, Summer 1991, pp. 6-7.

"Population and Economics: A Bioeconomic Analysis", Population and Environment, Vol. 12, No. 3, Spring, 1991, pp 257-263.

"Carrying Capacity as a Tool of Development Policy: the Ecuadoran Amazon and the Paraguayan Chaco", Ecological Economics, 2(1990), pp. 187-195. Reprinted in Portuguese in Peter Herman May and Ronaldo Seroa da Mota, eds., Valorando a Natureza, Editora Campus, Rio de Janeiro, 1994, pp. 145-55.

"The Missing Tools", (with Robert Goodland), in Constance Mungall and Digby J. McLaren, Royal Society of Canada, Planet Under Stress, Oxford University Press, Toronto, 1990, pp. 269-281.

"Towards an Environmental Macroeconomics", Revista de Analisis Economico, Vol, 5, No. 2, Noviembre, 1990, pp. 19-31. Reprinted in Norman P. Girvan and david A. Simmons, eds., Caribbean Ecology and Economics, Caribbean Conservation Association, Barbados, 1991.

" Speculations : Towards an Environmental Macroeconomics", Land Economics, May, 1991, 67(2), pp. 255-59.

"Elements of an Environmental Macroeconomics", in Robert Costanza, ed., Ecological Economics : The Science and Management of Sustainability, Columbia University Press, 1991. Reprinted in Sustainable Growth--A Contradiction in Terms?, Report of the Visser't Hooft Memorial Consultation, The Ecumenical Institute, Chateau de Bossey, Geneva, Switzerland June 14-19, 1993.

"Environmental Economics and Sustainable Development", in C. Rossi and E. Tiezzi, eds., Workshop on Ecological Physical Chemistry, Amsterdam: Elsevier, 1991, pp. 185-201..

"Incentives, Regulations and Sustainable Land Use in Costa Rica", Environmental and Resource Economics, 1 : 29-44, 1991 (with Ernst Lutz)

"Sustainable Growth : An Impossibility Theorem", Development (Journal of the Society for International Development) , 1990 : 3/4.
Reprinted in Research and Exploration, (National Geographic Society), Summer, 1991, pp.260-263. Reprinted in Development Forum, Vol.19, No. 5, September/October 1991, p.19. Reprinted in Resurgence, July/August, 1992, No. 153. Reprinted in Joseph DesJardins, Environmental Ethics, Mayfield Publishing Co., Mountain View, CA, 1999, pp. 423-27.

"Natural Capital and Sustainable Development", (with R. Costanza), Conservation Biology, Spring, 1992. Reprinted in R. Costanza, C. Perrings, and C. Cleveland, The Development of Ecological Economics, Cheltenham,UK, 1997, pp 455-464.

"Ecological Economics and Sustainable Development : From Concept to Policy", World Bank, Environment Department Divisional Working Paper # 1991-24, August 1991.

"Economia Ecologica y Desarrollo Sustentable" in Jacobo Schatan, editor, Crecimiento o Desarrollo, CEPAUR and Fundacion Freidrich Ebert, Santiago, Chile, 1991.

"Environmental Assessment in the World Bank" with Robert Goodland, Development, (Journal of SID), forthcoming"

"Three Steps Toward Global Environmental Sustainability" , with Robert Goodland, Development, (Journal of SID), Part I in 1992 : 2 , pp. 35-41; Part II in 1992 : 3, pp.64-71.

"Is the Entropy Law Relevant to Natural Resource Scarcity?--Reply", Journal of Environmental Economics and Management, **23**, (July,1992), pp.91-95.

"From Empty-World to Full-World Economics : Recognizing an Historical Turning Point in Economic Development" in Robert Goodland, Herman Daly, Salah El Serafy, and Bernd von Droste eds., Environmentally Sustainable Economic Development : Building on Brundtland, Paris: UNESCO, 1991, pp 29-38 ; reprinted in Island Press edition entitled Population, Technology, and Lifestyle: Transition to Sustainability, 1992. Reprinted in Kilaparti Ramakrishna and George M. Woodwell, eds., World Forests for the Future: Their Use and Conservation, Yale University Press , New Haven, CT, 1993, pp79-91. Reprinted in Russian translation, Ukranian Society for Sustainable Development, Kiev, Ukraine, October, 1995.

"U.N. Conferences on Environment and Development: Retrospect on Stockholm and Prospects for Rio", Ecological Economics (April, 1992)

"Towards an Environmental Macroeconomics : Reply", Land Economics, May, 1992, 68(2), pp244-45.

"Environmental Assessment and Sustainability in the World Bank", with Robert Goodland, Sustainable Development, Vol. 1, No. 1, October, 1991, pp. 12-23.

"Boundless Bull" in Craig L. LaMay and Everette E. Dennis, eds., Media and the Environment, Washington, D.C. : Island Press, 1991, pp 149-55.

"Ten Reasons Northern Income Growth is Not the Solution to Southern Poverty", with Robert Goodland, in R. Goodland, H. Daly, and S. El Serafy, eds., Population, Technology, and Lifestyle: The Transition to Sustainability, Island Press, Washington D.C., 1992. Reprinted in Sustainable Development, May, 1992, Vol.I,

No. 2, pp.23-30. Reprinted in Spanish translation, Papeles, No. 50, 1994, Cuestiones Internacionales de Paz, Ecología, y Desarrollo, Madrid.

"The Economic Causes of Ecological Disorder in Brazilian Amazonia : Allocation, Distribution, and Scale", with George Foy, in Leszek A. Kosinski, ed., Ecological Disorder in Amazonia : Social Aspects, Rio de Janeiro : International Social Science Council and UNESCO, 1992, pp.49-76.

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"From Adjustment to Sustainable Development: The Obstacle of Free Trade" , Loyola of Los Angeles International and Comparative Law Journal, Vol. 15, No. 1, December, 1992, pp. 33-44. Reprinted in The Case Against Free Trade :(GATT, NAFTA and the Globalization of Corporate Power), Earth Island Press, San Francisco, 1993, pp. 121-32. Reprinted in Robert V. Percival, ed., Law and the Environment: An Interdisciplinary Reader, Temple University Press, forthcoming.

"An Economic-Ecological Assessment of Deregulated International Commerce Under GATT", with Robert Goodland, Ecological Economics, February, 1994, Vol.9, No.1. Expanded version reprinted in International Journal of Sustainable Development, Vol.1 No.4, pp.53-82, 1993 ; and in Population and Environment, Part I, 15(5), May, 1994; Part II, 15(6) July, 1994. Reprinted in Environmental Planning, J.C.J.M. van den Bergh, Kenneth Button, Peter Nijkamp, eds.,2007.

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- (2014h) Cold War Left Overs
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- (2014j) An Economics Fit for Purpose in a Finite World
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Foreword to “The Happy Planet Index”, The New Economics Foundation, London, 2009.

Preface to Lawn and Clarke volume

Foreword to Wendell Berry’s [What Matters?](#)

Foreword to Dietz and O’Neil, [Enough is Enough](#) 2012

Foreword to Brian Czech,

Consulting Activities:

Board of Advisors, Friends of the Earth.

Reader for Selection Committee on Ford-Rockefeller Foundations Program for Social Science Grants in Population, 1971, 1972, 1973, 1974.

Member, Committee on Mineral Resources and Environment (National Academy of Sciences), 1973-76.

Consultant to AAAS Committee on Environmental Alterations, Electric Power Study Group, 1971.

Consultant, Ford Foundation Energy Policy Project, 1973.

Consultant to Ford Foundation, Rio de Janeiro, 1973.

Consultant, Edison Electric Institute, Study on Economic Growth in the Future.

Consultant, ERDA, Review Panel on "Social and Environmental Assessment of the ERDA Solar Energy Program 1975-1010," June 1976.

Alternatives to Growth, Steering Committee, 1977.

Member, National Council of Churches Energy Study Panel, 1977.

Member, Office of Technology Assessment Review Panel on President Carter's National Energy Plan, June 6-10, 1977.

Consultant, California Energy Commission (Review Panel), May 1978.

Member, Nominating Committee, American Economic Association, 1980.

Board of Advisors, The Human Economy Center, Amherst, Mass.

Consultant, World Bank, 1981, 1982, 1983, 1984. 1985.

Advisory Board, New Options Newsletter.

Co-Founder and associate editor of Ecological Economics, (Elsevier), 1987-.

Board of Directors, The Beijer Institute for Ecological Economics of the Swedish Royal Academy of Sciences, 1991-1996 .

Board of Directors, Worldwatch Institute, Washington, D.C., 1994-.2001.

Selection Committee, Pew Foundation Fellowships in Conservation and Biodiversity, 1993-1995.

Member, National Research Council Committee on Valuing Biodiversity, 1995-96.

Board of Directors, The Natural Step, USA.

Member, EPA Board of Scientific Advisors, Environmental Economics Subcommittee, 1998-2000.

Member, Extractive Industries Review Advisory Committee, World Bank Group, 2003.

Invited Lectures:

Over 200 invited lectures at universities and agencies, including:

Universities: Yale, Stanford, MIT, Cal Tech, Dartmouth, Columbia, Duke, Vanderbilt, University of North Carolina, Harvard, University of Texas, University of Minnesota, Princeton, Australian National University, University of Uppsala, University of Oslo, Federal University of Rio de Janeiro, Oxford, London School of Economics, Stockholm University....

Agencies and Foundations: Population Council, Resources for the Future, Brookings Institution, Joint Economic Committee of Congress, USAID, World Bank, World Council of Churches, Shell Oil Co., International Federation of Institutes of

Advanced Study (Sweden), Institute of Developing Economies (Japan), Fundação Getúlio Vargas (Brazil), Fundação Joaquim Nabuco (Brazil), Argonne National Laboratories, Wissenschaftszentrum (Berlin), Dutch Environmental Ministry (The Hague), International Union for the Conservation of Nature (Geneva),

LECTURES, SCIENTIFIC CONFERENCES, ETC:

Invited Lecture: Department of Economics, University of North Carolina.
"Population Problems in Brazil." Feb. 1970.

Invited Lectures while visiting at Yale University--1969-1970:

1. Yale Women's Society
2. Yale Forestry School
3. Yale Economic Growth Center, two seminars.
4. Yale chapter of ZPG.

Invited Paper: International Union for the Scientific Study of Population, Latin American Regional Conference, Mexico City, Aug. 1970.

Invited Lecture: Population Council, New York City. Seminar for staff and associates on steady-state economy.

Invited Lecture: University of Minnesota, environmental seminar, School of Engineering. "Steady-State Economy," Nov. 1971.

Invited Lecture: Stanford University, Environmental Seminar, Biology Department. "Depletion Quotas vs. Effluent Taxes," Feb. 1972.

Invited Lecture: University of North Carolina, Population Center. "Controlling the Population of Artifacts: Depletion Quotas vs. Effluent Taxes" Feb. 1972.

Invited Participant: Conference on "Alternatives in Education," Center for Study of Democratic Institutions, Santa Barbara, California, March 1970.

Invited Participant: Shell Oil Faculty Forum, LSU's representative, Houston, Dec. 1971.

Invited Lecture: Conference at Claremont School of Theology, "Alternatives to Catastrophe" May 3-5, 1972.

Lecture Series: Centro Intercultural de Documentacion, Cuernavaca, Mexico, Summer, 1971.

Invited Paper: Latin American Studies Association, National Conference, Austin, Texas, Dec. 1971. "Political Economy of Population in Brazilian Development."

Invited Paper: "In defense of the Steady-State Economy," American Agricultural Economics Association Annual Meeting. Gainesville, Florida, Aug. 1972.

Invited Seminar: "Toward Steady-State Earth." Environmental Engineering Session of ASCE, Houston, Texas, Oct. 1972.

Invited Lecture: California Institute of Technology, Environmental Quality Laboratory. Subject: environmental economics. May, 1972.

Invited Paper: 3-day conference "Scarcity and Growth: Toward a National Materials Policy," University of Minnesota. Sponsored by the President's National Commission on Materials Policy, June 1972.

Invited Participant: Environmental Forum, Stockholm Sweden, June 4-17, 1972.

Invited Seminar: University of Uppsala (Sweden), "Energy and Economic Growth" given jointly with D. E. Abrahamson, June 1972.

Invited Lecture: Yale University, School of Forestry, Lecture Series on "Limits to Growth: The Equilibrium State and Human Society," October 1972.

Invited Chairman: Session II of General Symposium on the question "Must We Limit Economic Growth" at the National Convention of the American Association for the Advancement of Science, Dec. 1972, Washington, D.C.

Invited Lecture: Fundação Getulio Vargas, Rio de Janeiro, "Desenvolvimento e o Problema Demográfico no Nordeste Brasileiro," May 1968.

Invited Seminar: University of Minnesota, Department of Agricultural and Applied Economics, June 1972, "Are Resource Prices Too Low?"

Invited Lecture: "Limits to Growth," National Association of Manufacturers; New Orleans, Nov. 1972.

Invited Speaker: Atlanta Environmental Symposium, Agnes Scott College, February 13, 1973.

Public Lecture: Middlebury College, Vermont, April 11, 1973, "The Steady-State Economy."

Public Lecture: Dartmouth College, "The Steady-State Economy," April 12, 1973.

Invited Seminar: M.I.T., Sloan School of Management, April 14, on steady-state economy.

Invited Testimony: United States Senate, Subcommittee on Air and Water Pollution, Hearings on the Impact of Growth on the Environment, April 2, 1973.

Invited Speaker: Oregon State University, Symposium on Limits to Growth, May 10, 1973.

Invited Lecture: Universidade Federal do Rio de Janeiro, faculdade de Geografia, "Limites ao Crescimento Econômico," Oct. 1973.

Invited Seminar: Shell Oil Co., Houston, Texas, "Steady-State Economy," Jan. 1974.

Invited Participant, "Seminário Brasileiro de População," Porto Alegre, Brazil, July 1973.

Invited Lecture: Duke University, March 1974.

Invited Lecture: University of North Carolina, Chapel Hill, March 1974.

Invited Lecture: University of North Carolina, Greensboro, March 1974.

Invited Seminar: "The Economics of the Steady-State," The International Federation of Institutes of Advanced Study, Board of Directors Meeting, Aspen, Colorado, Oct. 1974.

Invited Seminar: "Transition to a Steady-State Economy," University of California, San Diego, Institute of Science, Technology, and Public Affairs, Oct. 1974.

Invited Panelist: "Limits to Growth Panel," Society of Actuaries, National Convention, New Orleans, Oct. 1974.

Invited Paper: "Developing Economies and the Steady State," Conference on "Asian Economics in Perspective: at the Institute of Developing Economies, Tokyo, Japan, Feb. 1975.

Invited Lecture: "Obstacles to Clear Thinking About a Steady-State Economy," Cornell University, Department of Agricultural Economics, June 1975.

Invited Lecture; "The Ethics, Ecology, Efficiency, and Economy of the Steady-State," University of Alberta, Edmonton, Alberta, Canada, Sept. 1975.

Invited Panelist: Connecticut Bar Association, Oct. 23, 1975.

Invited Paper: Alternatives to Growth Conference, Houston, Oct. 21, 1975.

Invited Testimony: Joint Economic Committee of U.S. Congress, Hearings on Long-Term Economic Growth, Oct. 23, 1975.

Invited Short Course: "Ecology and Economics," Universidade do Vale do Rio dos Sinos, Rio Grande do Sul, Brazil, Jan. 1976.

Invited Lecture: Department of Economics, Kansas State University, May 6, 1975.

Invited Lecture: Department of Economics, University of Florida, May 26, 1976.

Invited Lecture: Energy Conference, University of Missouri, Rolla, Oct. 12, 1976 (Keynote Speaker).

Invited Lecture: Bard College, Oct. 16, 1976.

Invited Speaker: Resources for the Future, Conference on Natural Resource Scarcity, Oct. 18, 1976.

Invited Lecture: Department of Economics, Rice University, Dec. 3, 1976. Feb. 1977 (Society for General Systems Theory.)

Keynote speaker: Midwest Energy Conference, University of Michigan, March 28, 1977, "Energy, Society and the Future." Sponsored by the University of Michigan Student Union.

Invited Lecture: Mercer College, Macon, Georgia, April 11, 1977.

Invited Lecture-Seminar: Loyola University, New Orleans, April 15, 16, 1977.

Invited Lecture: Agency for International Development, Washington, D.C., May 5, 1977.

Invited Lectures: Stanford University, May 16, 17, 1977, "Ethics of Global Development" Seminar.

Keynote Speaker: Oklahoma Chapter of American Institute of Planners, Conference on Energy, Tulsa, June 10, 1977.

Chairman: Workshop in Alternatives to Growth Conference, Woodland, Texas, Oct. 1977.

Invited Lecture: AID, Washington, D.C., sept. 18, 1977.

Invited Participant: "Consultation on Energy and Ethics," National Council of Churches of Christ, New York, Oct. 12-14, 1977.

Invited Lecture: North Carolina State University, Raleigh, N.C., Interdisciplinary Course, Nov. 2, 1977.

Invited Lecture: Wingate College, Nov. 1977.

Invited Lecture: Landscape Architecture & Planning, University of Pennsylvania, Nov. 1977.

Invited Lecture: Agency for International Development, January 15, 1978.

Discussant: Session on Growth and Equity, AAAS Convention, Washington, D. C., February, 1978.

Invited Lecture: Grinnel College, April 1978.

Invited Lecture: Colorado College, April 1978.

Invited Address: World Council of Churches, Consultation on "The Just and Sustainable Society," Zurich, June 1978.

Invited Participant: Edison Electric Institute, Panel on Prospects for Economic Growth, Washington, D. C., June 1978.

Invited Lecture: American Academy of Arts and Science/Argonne National Laboratories, Symposium on "National Energy Issues--How Do We Decide?" "Decision Criteria for Needs for Nuclear Fuel--A No-Growth View," Sept. 29, 1979.

Invited Lecture: West Virginia University, Morgantown, "Steady-State Economics," Oct. 2, 1978.

Invited Lecture: "Economic Growth, Non-Growth, and Freedom," in Symposium on the Future of the Bill of Rights, State University of New York at Buffalo, Oct. 18, 1978.

Invited Lecture: "Steady-State Economics," Convocation Lecture Series on Problems of the Post-Abundance Society, Muhlenberg College, Allentown, PA, Oct. 19, 1978.

Invited Lecture: Keynote speech for winter quarter series on steady-state economics, Rollins College, Florida, Jan. 10, 1979.

Invited Panelist: Brookings Institution, Washington, D.C., Conference on Growth and Conservation, Jan. 15, 1979.

Invited Panelist: Conference Honoring Garrett Hardin on his retirement, Santa Barbara, Feb. 16, 1979.

Three Invited Lectures: University of Texas, Austin, Department of Anthropology and Economics, April 9-11, 1979.

Keynote Speaker: World Conference on Science, Faith and the Future, sponsored by the World Council of Churches, MIT, July 1979.

Invited Lecture: "Brazilian Economic Development," AID, Washington, D. C. Sept. 14, 1979.

Invited Lecture: West Ark Community College, Ft. Smith, Arkansas, Oct. 15, 1979.

Invited Lecture: University of Tennessee, Knoxville, Tennessee, Conference on "Technology, Society, and the Common Good," Oct. 30, 1979.

MIT, Boston, Mass., Institute's Technology and Culture Lecture Series, Nov. 15, 1979.

Invited Paper: "Growth Economics and the Fallacy of Misplaced Concreteness," AAAS, San Francisco, Jan. 1980. Session on "The Ecological Perspective in Social Science."

Program Chairman and Organizer, session on "Energetic and Ecological Economics," AAAS San Francisco, Jan. 1980.

Invited Lecture, Oregon State University, Corvallis, Oregon, Jan. 8, 1980.

Invited Lecture, Ohio State University, Columbus, Ohio, April 19, 1980.

Invited Lecture, Agnes Scott College, Decatur, Georgia, April 23, 1980.

Keynote Speaker, Eco-Justice Project, Colloquium on Steady-State Economics, Ithaca, NY, May 27-29, 1980.

Keynote Speech, Australian Conservation Foundations Conference on "The Conserver Society," Melbourne, June 30, 1980.

Seminar, Department of Economics, Political Economy Club, University of Sydney, June 25, 1980.

Seminar Dept. of Demography, Australian National University, June 26, 1980.

Public Lecture, University of Queensland, Brisbane, Australia, July 8, 1980.

Convocation Lecture, Australian National University, Canberra, July 17, 1980.

Seminar for Economists, Center for Resource and Environmental Studies, Australian National University, July 21, 1980.

Seminar for Economists, Bureau of Industry Economics, Commonwealth Government, Canberra, July 18, 1980.

Seminar for Human Ecology Group, Australian National University, Canberra, July 22, 1980.

Invited Lecture, Universidade Federal do Rio de Janeiro, Brazil, October, 1980.

Invited short course, Fundação Para o Desenvolvimento de Recursos Humanos, Nov. 1980, Porto Alegre, Brazil, Nov. 1980.

Invited short course, Universidade Metodista de Piracicaba, Piracicaba, Brazil, December 1980.

Invited Speech, Mississippi Valley Conference of State Highway and Transportation Departments, Kansas City, Missouri, March 1981.

Invited Lecture, Vanderbilt University, Economics Department, "The Visions of the Economic Process," March 1981.

Invited Seminar, World Bank, Washington, D.C., "Sustainable Development," April 1981.

Invited Lecture, Economics Department, University of Montana, Missoula, Montana, May 5, 1981.

Invited Lecture, Interdisciplinary Faculty Seminar, University of Lowell, Lowell, Mass., September 30, 1980.

Invited Speaker, Louisiana Conference on Science, Technology, and Human Values, Tulane University, New Orleans, October 22, 1981.

Invited Speaker, Economics Department, Texas Christian University, Fort Worth, November 3, 1981.

Invited Lecture, Department of Economics, Mankato State University, Mankato, Minnesota, March 1, 1982.

Invited Lecture, Department of Economics, St. John's College, Collegeville, Minnesota, March 2, 1982.

Invited Lecture, Hubert H. Humphrey School of Public Affairs, University of Minnesota, Minneapolis, March 3, 1982.

Invited Lecture, Calvin College, Grand Rapids, Michigan, March 4, 1982.

Invited Lecture, Environmental Studies, University of North Carolina, Chapel Hill, N.C., March 23, 1982.

Invited paper and address, Conference on Process Theology and Social Thought, Hendrix College, Conway, Arkansas, April 8-10, 1982 (Organized by Steel Center for Religious Studies and Claremont College Center for Process Studies).

Keynote Address, Oregon State University, Earth Day Conference, April 17, 1982. Second Lecture on April 18, 1982.

Invited Lecture, Dartmouth College, Resource Policy Center, May 19, 1982, Hanover, New Hampshire.

Invited two-week course, "Economics and Ethics," Iliff School of Theology, Denver, Colorado, July 19-30, 1982.

Invited paper, "Alternative Strategies for Integrating Economics and Ecology," Marcus Wallenberg Foundation Symposium on Integrating Economy and Ecology, Stockholm, Sweden, Sept. 1-13, 1982.

Invited Panelist, First Biennial Conference on the Fate of the Earth: Conservation and Security in a Sustainable Society, New York City, Oct. 19, 1982 (Friends of the Earth).

Invited Speaker, Colloquium on Individual Liberties in a World of Shortages, Liverty Fund, University of Dayton, Oct. 21, 1982.

Invited Speaker, Presbyterian Church, National Committee on a Just Political Economy, San Francisco, February 19, 1983.

Invited keynote Paper at session on Resource Conservation, Southwestern Economic Association, Houston, March 18, 1983.

Invited Seminar on Sustainable Development, The World Bank, Washington, D.C., April 25, 1983.

Invited Seminar, Master's Program in Economics (CAEN) Federal University of Ceará, Fortaleza, Brazil, June 22, 1983.

Invited Seminar, Banco do Nordeste (ETENE), Fortaleza, June 23, 1983, Fortaleza, Brazil.

Invited Seminar, Instituto Joaquim Nabuco, Recife, Brazil, July 28, 1983.

Invited Seminar, Desembanco, Salvador, Brazil, August 5, 1983.

Invited Seminar and Public Lecture, Economics Department, James Madison University, Harrisonberg, Virginia, Sept. 20, 1983.

Invited Visiting scholar, Undergraduate Honor's Program, University of Colorado, Boulder, Oct. 17-22, 1983.

Invited Panelist, American Economics Association Meetings, "Limits to Growth: What Have We Learned?," San Francisco, December 29, 1983.

Invited Paper, Conference on "Distributional Conflicts in Environmental-Resource Policy, wissenschaftszentrum Berlin, West Berlin, March 1984.

Keynote Address, Conference of Washington State Recycling Association, "A Steady-State Economy: What It Is and What It Can Mean to Recycling," Spokane, April 19, 1984.

Keynote Address,, Prairie Festival, 1984, The Land Institute, Salina, Kansas, May 27, 1984.

Invited Address, The Other Economic Summit, "Steady-State Economy: An Alternative to Growthmania," London, June 6-10, 1984.

Invited Paper, "World Economic Outlook Towards the 21st Century: Some Speculations," International Federation of Institutes of Advanced Study, Conference in Barcelona, Sept. 9-14, 1984.

Invited Participant Workshop on Environmental Accounting and National Income Accounts," World Bank, Washington, D. C., Nov. 5-7, 1984.

Invited Lecture, University of California, Santa Cruz, Environmental Studies Department, November 28, 1984.

Invited Panelist, Eastern Economic Association, Pittsburgh, March, 1985.

Invited Lecture, Department of Economics, University of Utah, Salt Lake City, May 3, 1985.

Invited Lecture, "The Cassandra Conference," honoring Earl Cook, School of Geosciences, Texas A& M University, May 7, 1985.

Invited Lecture, Claremont School of Theology, Claremont California, May 20, 1985.

Invited Participant, Workshop on Environmental Accounting and National Income Accounts, World Bank, Paris, September 30-October 3, 1985.

Invited Address, "On Nicholas Georgescu-Roegen's Contributions to Economics," Southern Economic Association meetings, Dallas, Nov. 25, 1985.

Short Course, "Economics, Ecology, Ethics," Meadowcreek Project, Arkansas, Jan. 1986.

Lecture Series, Economics Department, Rensselaer Polytechnic Institute, Troy, N.Y., March, 26, 1986.

Invited Lecture, Brown University, Center for Environmental Studies, April 1, 1986.

Invited Lecture, University of Missouri-Kansas City, Dept. of Economics, April 24, 1986.

Invited Lecture, AuSable Environmental Institute, Conference on Ecology and Economics in Christian Perspective, Mancelona, Michigan, June 17-21, 1986.

Invited Lecture, Brazilian National Conference on the Environment, Fundação Joaquim Nabuco, Recife, Brazil, Oct. 6-11, 1986.

Invited Lecture, Economics Dept., University of Tennessee and Oak Ridge National Laboratory, Knoxville, Tennessee, Oct. 16, 1986.

Invited Paper, Conference on Economics and Theology, Meadowcreek Project, Fox, Arkansas, Nov. 1-3, 1986.

Invited Paper, "Toward a Measure of Sustainable Social Net National Product," World Bank-UNEP Workshop on Environmental Accounting, Washington D.C., Nov. 17-18, 1986.

Invited Paper, "Steady-State Economics: Post-Modern Economics on a Finite Planet." Conference "Toward a Post-Modern World," Santa Barbara, CA, January 16-20, 1987.

Invited Paper, "Land and Resources: Nature's Forgotten Contribution," Au Sable Environmental Institute, Mancelona, Michigan, August 5-8, 1987.

Invited Lecture, Conference on Ecology and Economics, Barcelona, September 1987, (sponsored by University of Barcelona and Vienna Centre).

Invited Paper, "Steady-State and Growth Concepts for the Next Century," Italian Ministry of the Environment, Milan, March 24, 1988.

Invited Lecture on Sustainable Development, AID Development Studies Program, Arlington, VA, January 11, 1989.

Invited Keynote Address, Stanford University, Hoover Institution Conference on Human Demography and Natural Resources, "Sustainable Development : Some Basic Principles," February 1, 1989.

Invited Address, "Human Values in a Bottom Line Society," Humanities Residential College, Northwestern University, Evanston, Illinois, April 10, 1989.

Paul Lamont Thompson Lecture, Kalamazoo College, May 8, 1989.

Invited Paper, "Environmental-Economic Policy and Sustainable Regional Development", Conference on " Regional Policy in Europe of the 1990's", Ministerio de Hacienda, Madrid, Spain, May 31, 1989.

Invited Lecture, "Sustainable Development" , University of Manitoba, September, 1989.

Invited Paper, "Environmental Macroeconomics", Caribbean Conference on Economics and Environment, Barbados, November, 1989.

Invited Paper, "Sustainable Development", AAAS Meetings, New Orleans, February, 1990.

Laird, Norton Distinguished Lecturer, Duke University, School of Forestry and Environmental Studies, March 9, 1990

James River Distinguished Lecturer, Hampden-Sydney College, April 4, 1990.

Environmental Roundtable, World Bank, Washington, D.C., April 18, 1990, on For the Common Good (Daly/Cobb).

Invited Lecture, "Population and Economics" in Symposium on Population and Scarcity: The Forgotten Dimension, American Institute of Biological Sciences and Smithsonian Institution, Washington , D. C., April 20, 1990.

Invited Presentation, "Sustainable Development", International Network or Resource Information Centers, Lake Balaton, Hungary, August 30, 1990.

Invited Presentation, "Sustainable Development", International Federation of Organic Agriculture Movements, Budapest, Hungary, August 28, 1990.

Invited Seminar, "Environmental Macroeconomics: Concepts and Measures", Resources for the Future, Washington, D.C., September 26, 1990.

Organizer of Session on Ecological Economics for American Association for the Advancement of Science, Annual Meetings, 1991, Washington D. C. February 17, 1991.

Invited Paper, "Sustainable Development : An Impossibility Theorem", AAAS Session on Sustainable Development : Rhetoric or Important Concept? (Gardner Brown, organizer) , February 15, 1991, Washington, D.C.

Invited Speech on Sustainable Development, Conference on a Healthy Global Environment, Dean Rusk Program in International Studies, Davidson College, North Carolina, March 5, 1991.

Invited Speech on Steady-State Economics, Department of Economics, Dickinson College, Carlisle PA., March 14, 1991.

Invited Speech, Oberlin College, April 3, 1991.

University of New Hampshire, Saul O. Sidore Memorial Lecture Series, invited speaker, April 17, 1991.

Invited participant, Seminar organized by Prince Charles on Environment and Development, The Britannia, near Belem, Brazil, April 26-27, 1991.

Conference of Madison Institute on For the Common Good, June 22, 1991, University of Wisconsin, Madison.

Invited Participant, Study Group on Sustainable Development, Santa Fe Institute, World Resources Institute, Brookings Institution, Santa Fe, N.M., July 19-25, 1991.

Invited Participant, Workshop on the Economics of Biodiversity, Beijer Institute for Ecological Economics, Stockholm, September 16-18, 1991.

Invited Seminar, Princeton University, Center for Energy and Environmental Studies, October, 15, 1991.

Invited lecture, Dutch Ministry of the Environment, The Hague, November 28, 1991

Invited Seminar on Environmental Macroeconomics, World Resources Institute and Hastings Center, Washington D.C., December 17, 1991.

Invited paper and presentation, "The Transition from Adjustment to Sustainable Development: Free Trade as an Obstacle" , Loyola University Law School , February 29, 1992.

Invited lecture to students in Environmental and Resource Management, Mahidol University, Bangkok, Thailand, March 16, 1992.

Round Table Discussion on the economics of greenhouse effect, Environmental Defense Fund, Washington D.C., April 3, 1992.

Invited testimony, Joint Economic Committee of Congress, Senator Albert Gore's hearings on the Joint Appeal of Religion and Science for the Environment, May 12, 1992.

Invited lecture, ECOTECH, United Nations Conference on Environment and Development, Rio de Janeiro, June 2, 1992.

Plenary address, "Sustainable Development: From Religious Insight to Ethical Principle to Economic Policy", World Council of Churches, UNCED parallel conference, Rio, June 3, 1992.

Invited speech, Carrying Capacity Network Conference, Georgetown University, Washington D.C., June 19, 1992.

Lecture on environmental economics and sustainability, World Bank, training course for staff, June 22, 1992.

Invited short course in environmental economics, University of St. Gallen, Graduate school of Business, St. Gallen, Switzerland, June 24-July 5, 1992.

Plenary Address, International Society for Ecological Economics Convention, Stockholm, August 3, 1992, "Operationalizing Sustainability by Investing in Natural Capital".

University of Louisville, Grawemeyer Award Lecture, September 9, 1992.

University of Maryland, Sea Grant Program, invited lecture on sustainable development, September 22, 1992.

E. F. Schumacher Memorial Lecture, "Steady-State Economics: Concepts, Questions, Policies", Bristol, England, October 10, 1992.

Center for International Law and Environment, Invited Presentation on Trade and Environment, Washington D. C. October 30, 1992.

Johns Hopkins School of Advanced International Studies, Invited Lecture on Steady-State Economics, Washington D.C. November 2, 1992.

Columbia University, Graduate School of Business, Invited Lecture on Sustainable Development, December 8, 1992.

University of Virginia, Commonwealth Center for Literary and Cultural Change, Invited Lecture on Steady-State Economics, February 15, 1993, Charlottesville, VA.

Denison University, Goodspeed Lecture, "Religion and Economics" , March 4, 1992, Granville, Ohio.

Council on Foundations, Invited Presentation at National Convention, Dallas, Texas, April 26, 1993.

Public Lecture on Ecological Economics, Oslo, Norway, sponsored by Norwegian Farmers Union, May, 18, 1993.

University of Oslo, Invited Lecture, "Against Free Trade", sponsored by Alternative Futures, May, 1993.

Invited lectures at University of Tromso (Norway), May 21, 1993.

Invited lecture on Steady-State economics, Environmental Protection Agency, Washington D. C., June 23, 1993.

Invited Lecture, University of Copenhagen, Institute of Economics, September 9, 1993.

Invited Lecture, Washington College, Chestertown, MD, October 7, 1993.

Invited lecture, Conference of The Harrison Program, "Footsteps To Sustainability, University of Maryland, College Park, MD, October 28, 1993.

Invited Lecture, "Sustainable Development and the Optimal Scale of the Economy" Universidad Complutense de Madrid, VII Centenario, November 3, 1993.

Invited Participant, Office of Technology Assessment, Workshop on "Approaching Sustainable Development", Washington, D.C., December 7, 1993.

Invited Seminar for Staff, White House Office of the Environment, Washington, D.C., January 11, 1994.

Invited "Farewell Lecture", World Bank, Washington, D.C., January 14, 1994.

Invited Address, MacArthur Foundation Board of Directors Meeting, Chicago, February 8, 1994.

Panelist, GLOBE (Global Legislators Organization for a balanced Environment), Session on International Financial Institutions, Washington, D.C. February 28, 1994.

Seminar for Brazilian Environmental Economists and Resource Managers, Partners of the Americas, Washington, D.C., March 25, 1994.

World Bank, Friday Morning Group on Values in Development, invited seminar, April 8, 1994.

American University, International Development Forum, invited lecture, April 8, 1994.

Invited Seminar, Center for Global Change, University of Maryland, April 12, 1994.

Invited luncheon Address, Young Professionals Group, World Bank, April 14, 1994.

Invited Panelist, National Academy of Engineering, Conference on "Engineering Within Ecological Constraints", Washington, DC, April 21, 1994.

Invited Discussant, American Enterprise Institute, Seminar on forestry and biodiversity, April 26, 1994.

Harvard University, JFK School, Keynote Address, Working Conference on Trade and Environment, April 29, 1994 ; published as pamphlet, "Against Free Trade: Neoclassical and Steady-state Perspectives", JFK School of Government, Harvard University.

University of Georgia, "Odom Lecture", Institute of Ecology, May, 26, 1994.

National Resources Defense Council, Invited Presentation to President and staff, June 2, 1994, Washington.D.C.

AAAS Policy Fellows in Science and Engineering, Invited Luncheon Address, June 9, 1994, Washington D.C.

Invited Seminar, Staff of President's Council of Sustainable Development, June 14, 1994, Washington, D.C.

Invited Presentation, Board of Advisors, National Resources Defense Council, June 15, 1994, Washington D.C.

Invited Presentation, National Religious Partnership for the Environment, June 20, 1994, Washington, D.C.

Interview, Australian National Radio, July, 13, 1994, on Bretton Woods Institutions in the future.

Invited participant in Council of Economic Advisors' /EPA Workshop on "Economy and the Environment: The Transition to a New Era of Environmental Policy, Washington, D.C., July 14, 1994.

Interview on "Green Economics", Australian National Television, July 27, 1994.

Invited presentation on "Policies for Sustainable Development", SUNY International Study Tour for Brazilian environmental policy makers, Washington DC, August 2, 1994.

Invited Presentation, "Five Propositions on the Relation of Manmade and Natural Capital", Ecological Society of America, Annual Convention, Session on "Ecological Economics", Knoxville, TN, August 11, 1994.

Invited Lecture, World Bank Summer Interns, August 24, 1994, Washington, D.C.

Invited Lecture on Steady-State Economics, Stockholm House of Sustainable Economy and Stockholm University Business School, Sept.2, 1994, Stockholm, Sweden.

Invited Lecture and Workshop on Steady-State Economics, University of British Columbia (Sustainable Development Research Institute), Vancouver, September 8,9,1994.

Invited Presentation, Conference on "Consumption, Global Stewardship, and the Good Life", University of Maryland, Institute for Philosophy and Public Policy, September 30, 1994.

Invited Presentation, International Society for Ecological Economics, Third International Conference, San Jose, Costa Rica, October, 28, 1994.

Invited Speech, Artists and Lecturers Series, Colorado School of Mines, Golden, Colorado, November 16, 1994.

Invited outside participant, Monsanto, St. Louis MO, "Environmental Vision Retreat", January 20-22, 1995.

Invited Lecture, Johns Hopkins School of Advanced International Studies, Washington, D.C., February, 17, 1995.

Invited Participant, University of Virginia, Seminar on Sweden's Natural Step Movement, March 3,4, 1995.

Invited Lecture, Woodrow Wilson School of International Affairs, Princeton University, March 21, 1995.

Invited Public Lecture, Northwestern University, April 1, 1995.

Invited Lecture, "Free Trade and Environment" London School of Economics, April 26, 1995.

Invited Debate, "Free Trade Versus Environment", Oxford University, Mansfield College, April 27, 1995.

Invited address to "Third World First Society" of Oxford University, April 28, 1995.

Invited address to Governing Council of the International Union for the Conservation of Nature, Geneva, May 22, 1995.

Short Course on For the Common Good, with John Cobb, July 10-17, 1995, Ghost Ranch, New Mexico.

Panelist, World Bank Workshop on "Transgenerational Issues: Thinking of the Future: August 2, 1995.

Address on "Ecological Tax Reform", "Financing Sustainable Development Conference", University of Maryland, with satellite hook-up to University of Tennessee, and University of Arizona, September, 1995.

Invited address on "Science and Religion", Conference on Revelation and the Environment, Greek Orthodox Church and World Wildlife Fund, Isle of Patmos, September 22-25, 1995.

Invited address, "Sustainable Development", session of the Latin American Studies Association convention, Washington D.C., September 29, 1995.

Invited Panelist, The Fourth International Dialogue on the Transition to the Global Society, (UNESCO), University of Maryland, October 18, 1995 "Two Visions of Global Community".

Invited Address, "Policies for Sustainable Development", Mount Holyoke College, October 19, 1995.

Invited Address, "Global Issues in Sustainable Development", Rice University and the Fellowship of Reconciliation, Houston, October 27, 1995.

Invited Address, "Policies for Sustainable Development", Willamette College, Oregon, November 30, 1995.

Invited Participant, Federation of American Scientists and World Bank, Hearings on whether World Bank should put a shadow price on carbon dioxide emissions in evaluating projects, Airlie House, VA, December 8-10, 1995.

Invited participant, seminar on World Resources and Environment, MacArthur Foundation, Chicago, January 16, 1996.

Invited seminar, Yale University, Program in Agrarian Studies, February 9, 1996.

Invited seminar, Institute for Policy Studies, Washington, DC, February 14, 1996.

Invited Address, "Policies for Sustainable Development, Rhodes College, Memphis, TN, February 20, 1996.

Invited seminar, "Science, Religion, and Sustainable Development", Center for Ethics, Capital Markets, and Political Economy, University of Virginia, Charlottesville, VA, February 23, 1996.

Invited Address and Chairman of session on "Defining the Problem", International Conference on Population, Environment, and Development, Tata Energy and Resources Institute, Washington, DC, March 13, 1996.

ISEE Workshop on Ecological Tax Reform, University of Maryland, March 18-19, 1996.

World Bank/ISEE Conference and Workshop on Valuation Issues in Green National Accounts, March 20-22, 1996, Washington DC.

Invited Speech, Kean College, Newark, New Jersey, March 26, 1996.

Invited Speech, International Studies Program, American University, Washington, DC, March 29, 1996.

Invited address, Science and Occupational Health Network, Society for Occupational and Environmental Health, World Sustainable Agriculture Association, Washington, DC, April 16, 1996.

Workshop presenter, "Meio Ambiente, Desenvolvimento, e Politica de Governo", Recife, Brazil, Fundação Joaquim Nabuco, April 22-25, 1996.

Invited lecture, International Honors Program in Global Ecology, Washington, DC, May 1, 1996.

Invited presentation, "Capital Mobility, Trade, and Sustainable Development", Episcopal Church Conference on A Christian Response to the International Debt Crisis, May 16, 1996, New York, NY.

Distinguished Lecturer Series, School of Public Policy, Georgia Institute of Technology, "Policies for Sustainable Development", Atlanta, May 30, 1996.

Invited Seminar, World Bank, Friday Morning Group, June, 14, 1996.

Invited Lecture, Fundacion Bancaja, Valencia, Spain, June 18, 1996.

Invited Lecture, Facultad de Ciencias Economicas y de Administracion, Universidad de Valencia, Spain, June 19, 1996.

Luncheon address, Royal Netherlands Embassy, Washington D.C., June 27, 1996, "The Challenge of Ecological Economics".

Organized Panel discussion on "Geogescu-Roegen's Contribution" at Conference of International Society for Ecological Economics, August 5, 1996, Boston.

Invited participant in Workshop on "Substitution vs. Complementarity between Natural and Manmade Capital", International Society for Ecological Economics, Boston, August 2-3, 1996.

Invited Lecture, Department of Spatial and Environmental Economics, Free University, Amsterdam, September 25, 1996.

Invited Lecture, Institute of Social Studies, The Hague, "Free Trade, Capital Mobility and Growth versus Environment and Community" September 26, 1996.

Heineken Award Lecture, "The Challenge of Ecological Economics", Amsterdam, September 30, 1996.

Invited Lecture, "Is the Free Market Compatible with Sustainable Development?", King Baudouin Foundation, Brussels, October 4, 1996.

Rochester Institute of Technology, Gannett Lecture Series, "The Challenge of Ecological Economics", October 10, 1996.

"Free trade and globalization--threat or opportunity for man and environment?", presentation and debate, SIDA, Stockholm, December 5, 1996.

"Economics, Ecology, Ethics", lecture/seminar at Kyrkans Hus, Uppsala, sponsored by Church of Sweden Aid, December 5, 1996.

"Avoiding Uneconomic Growth", lecture/seminar at Stockholm University sponsored by the student union, December 6, 1996.

"Invited Lecture, Honors Program, Catholic University of America, Washington D.C., February 4, 1997.

Center for National Policy, Roundtable on "Does Funding for Population Programs Serve U.S. Interests?", Washington DC, February 19, 1997.

Interview on Beyond Growth, Public Radio, Urbana, IL, February 21, 1997.

Keynote address, "Uneconomic Growth: From Empty-World to Full-World Economics", Rice University, De Lange-Woodlands Conference, "Sustainable Development: Managing the Transition", Houston, TX, March 3, 1997.

Invited address and seminar, Faculty of Environmental Studies, York University, Toronto, Canada, March 27-27, 1997.

Internet e-mail seminar on Beyond Growth, March 18-26, organized by University of Colorado and ISEE, over 900 subscribers.

Seminar briefing on sustainable development, for Rep Wayne T. Gilchrist, (R) MD and staff, Washington D.C. , April 15, 1997.

Invited address, Philosophical Society, Washington, D.C., Cosmos Club, April 18, 1997.

Invited address, Scarritt-Bennett Center (Methodist Church), Nashville, TN , May 8, 1997.

Invited seminar on Sustainability and the Natural Step, Johnson & Johnson Corporation, September 4, 1997, Washington D.C.

Invited presentation, conference on "Religion, Science, and the Environment: the Black Sea in Crisis", sponsored by the Orthodox Church and the European Union, September 20-28, 1997, shipboard and various ports, the Black Sea.

Chairman, session on "Global Values and Sustainable Development", World Bank, Washington D.C., October 8, 1997.

Interview on globalization, Canadian Broadcasting Company, TV special, October 9, 1997

Interview, Swedish TV documentary, Palm Productions, October 9, 1997.

Invited Presentation, Conference on "From Growth to Balance", Marion Foundation, Marion, MA, November 15, 1997.

Invited Presentation (read in absentia), "Cuánto tiempo seguirán ignorando los economistas las aportaciones de Georgescu-Roegen?", Fundación Argentaria, Madrid, November 19, 1997, "Jornada sobre economía y ciencias de la naturaleza".

Invited presentation on "Sustainable Development and Ecological Economics", Second National Conference on Environmental Health, December 16, 1997, Jeddah, Saudia Arabia, via USIS Worldnet, Washington, DC.

Georgescu-Roegen Distinguished Lecture, University of the South, Sewanee, Tennessee, January 29, 1998.

Rinker Distinguished Lecture, University of Florida, Gainesville, Florida, February 2, 1998.

Invited Lecture, American University, Washington, DC, February 11, 1998.

Wege Foundation Lecture, Aquinas College, Grand Rapids, MI, February 18, 1998.

Marberg lecture, Economics Department, Marquette University, Milwaukee, March 17, 1998.

Invited address, Renewable Natural Resources Foundation, Congress on "Human Population Growth and Sustainability", George Washington University, Washington DC, September 17, 1998.

Invited Lecture, St. Mary's College of Maryland, September 22, 1998.

Invited lecture, Muhlenberg College, Allwntown, PA, October 7, 1998.

Invited paper, Fifth Biennial Conference of the International Society for Ecological Economics, "Beyond Growth", Santiago, Chile, November 16, 1998, "Internationalization versus Globalization: Some Implications"

Invited Closing Address, Fifth Biennial Conference of the International Society for Ecological Economics, "Beyond Growth", Santiago, Chile, November 19, 1998, "Beyond Growth : Avoiding Uneconomic Growth".

Invited written comments on resource taxation, Russian Duma, Committee on Resources, Deputy Vyachislav Zvolinsky, January 19, 1999.

Invited Lecture, University of Michigan, "Distinguished Lecture Series on Sustainable Development", January 19, 1999, Ann Arbor.

Invited Lecture, University of Delaware, Center for Energy and Environmental Policy, Newark DL, April 8, 1999.

Invited address, Episcopal Conference on Stewardship, Virginia Theological Seminary, Alexandria VA, April 10, 1999.

Invited address, "Festschrift for Roefie Hueting on Valuation of Natural Capital", Amsterdam, April, 23, 1999.

Invited Lecture, Trinity College Dublin, sponsored by Students' Economic Journal, and "Feasta", April 26, 1999, Dublin.

Invited Keynote Lecture, Beyond Growth Conference, Heinrich Boell Foundation and German Green Party, Berlin, September 24, 1999.

Clemens Lecture, St.John's and St. Benedict's Universities, Collegeville, MN, October 25,1999.

Invited Seminar, Auburn School of Theology, New York, NY, January 21, 2000.

Testimony before Maryland House and Senate on House Bill 343 "Statistical Portrait of a Robust Maryland"--a bill by Del. Dan Morheim to develop statistivcal information on welfare that goes beyond state GDP. Feb 22, 2000.

Invited Address, American Association of Geographers, National Convention, Pittsburgh, April 7, 2000.

Seminar for World Bank, Friday Morning Group, "Globalization", April 17, 2000.

Invited Speech, International Forum on Globalization, Washington DC, April, 17,2000.

Chancellor's Distinguished Lecture, Louisiana State University, May 2, 2000, Baton Rouge, LA.

Invited Graduation Address, Allegheny College, Meadville, PA, May 14, 2000.

Invited Panelist, Maxwell School of Public Policy, Syracuse University, Washington D.C., June 1,2000.

Invited Panelist, Aspen Institute's 50th Anniversary Conference on Globalization, Aspen, CO, August 20, 2000.

Invited Discussant, Association for Policy and the Life Sciences Meetings in Washington D.C, September 1, 2000.

NGO Skillshare on ecological economics, sponsored by Asia Pacific Environmental Exchange and Institute for Policy Studies, Washington,DC, September 15,2000.

International Honors Program, invited lecture, Washington D.c., September 22,2000.

Smart Growth course, Potomac ,MD, invited lecture, November 13, 2000.

Luncheon Address, Harrison Center Conference on "Globalization and Ecological Security", University of Maryland, November 16, 2000.

Invited presentation on globalization and trade, League of Women Voters, Governing Council, Washington, D.C., June 11, 2001.

Interview, National Public Radio, "Living on Earth" program, on the subject of "green accounting", June 7, 2001.

Invited address, "Sustainable Development and OPEC", Organization of Petroleum Exporting Countries, Vienna, September 28, 2001.

Invited Address, "Reconciling the Economics of Social Equity and Environmental Sustainability", Tufts University, Global Development and Environment Institute, Boston, November 13, 2001.

Invited address, Brown Symposium on Globalization, Southwestern University, Georgetown, Texas, Feb., 21, 2002.

Invited keynote Address, World Bank, "Sustainable Development: Definitions, Principles, Policies", Washington, D.C., April 30, 2002. Reprinted in Social Sciences Abroad (in Chinese)(No. 6, 2002)

Invited address, "Climate Change Negotiations Without the United States", United Nations Rio + 10 Conference, Rio de Janeiro, June 26, 2002.

Keynote Speech, "Illth of Nations and Uneconomic Growth", Pio Manzu International Research Centre, Conference "Heimdall's Horn", Rimini, Italy, October 20, 2002.

Beatty Memorial Lecture, McGill University, Montreal, March 27, 2003, "Uneconomic Growth and the Illth of Nations".

Lecture, University of Vermont, Burlington, VT, March 25, 2003, "Scale: Its Relation to Allocation and Distribution".

Keynote address, Canadian Society for Ecological Economics (CANSEE), biennial conference, Jasper, Alberta, October 18, 2003.

Invited Debate, World Bank, Washington DC, "Can We Grow our way to an Environmentally Sustainable World", March 2, 2004.

Invited testimony, Senate Democratic Policy Committee, Hearing on Off-shoring of US Jobs, Washington, DC, March 5, 2004.

Invited presentation, “Globalization and the Military”, Open Source Solutions Conference, Washington DC, April 16, 2004. Given the Society’s “Golden Candle Award”.

Invited paper, “Economics and Involuntary Displacement” National Academy of Sciences, Workshop, September 23, 2004, WashingtonDC.

Keynote address, US Society for Ecological Economics, Tacoma, WA, July, 21, 2005.

Invited lecture, University of Massachusetts, Economics, “Sustaining our Commonwealth of Nature and Knowledge”, September 29, 2005.

Invited Panel, Columbia University (Earth Institute) and Scientific American, “Humanity at the Crossroads, New York, October 20, 2005.

Invited Panel, Moderator, EPA Conference “Sustainability, Well Being, and Environmental Protection”, Washington, DC, December 2, 2005.

Interview, Swedish TV documentary film on “Environment and the Economy” (forthcoming)

Short statement in The 11th Hour, a documentary film by Leonardo DiCaprio, Warner Films, 2007.

Invited lecture, Vanderbilt University, “Reconciling biophysical Sustainability and Social Equity”, September 27, 2007.

Invited Keynote address, “Climate Policy Workshop” American Meteorological Association, Washington DC, November 13, 2007.

Invited seminar, World Bank, Values in Development Group, “Globalization versus Internationalization”, November 28, 2007, Washington DC.

Invited paper and lecture via videoconference, Sustainable Development Commission, UK, London, April 24, 2008.

Invited presentation, “From a Land Economy to a Consumer Economy”, Hudson Institute/Bradley Center, Washington DC, June 30, 2008

Invited Lecture (by video live), “The Climate Question: three general principles and ten specific policies” *Headwaters Gathering, Warren Wilson College, 3/28/09.*

Invited address to UK Parliamentary Committee on Environmental Audit, British Embassy, Washington, DC, May, 19, 2009.

