

## CURRICULUM VITAE

### **THEODORA (THEO) EMILY DECKER COLBORN**

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#### POSITION

- 2003-2008 President, The Endocrine Disruption Exchange (TEDX)
- 2008- Professor Emeritus, University of Florida, Gainesville, Department of Zoology
- 2004-2007 Professor, University of Florida, Gainesville, Department of Zoology
- 1993-2003 Senior Scientist and Director, Wildlife and Contaminants Program, World Wildlife Fund.
- 1990-1993 Senior Fellow, W. Alton Jones Foundation.
- 1988-1993 Senior Fellow, World Wildlife Fund (on sabbatical, 1990-1993).
- 1987-1990 Consultant, Environmental Health Analysis.
- 1987-1988 Associate, Conservation Foundation, Washington, DC
- 1985-1987 Congressional Fellow (1985-1986) and Science Analyst, Office of Technology Assessment, US Congress.

#### EDUCATION

- 1985 University of Wisconsin-Madison, Ph.D. Zoology (distributed minors in epidemiology, toxicology, and water chemistry).
- 1981 Western State College of Colorado, Gunnison, M.A. Science (fresh-water ecology).
- 1979, 1980 Rocky Mountain Biological Laboratory, Summer Field Research.
- 1947 Rutgers University, College of Pharmacy, B.Sc.

#### APPOINTMENTS

- Board of Scientific Advisors, Children's Health Environmental Coalition (CHEC), 2006-present.
- Board of Directors, Rachel Carson Council, 2006-present.
- US-Canada International Joint Commission, Work Group in Ecosystem Health, Science Advisory Board, 1993-2007.
- United Nations Educational, Scientific and Cultural Organization (UNESCO), Council on the Future, 1999-present.
- Health Canada, Environmental Health Division, Toxic Substances Research Initiative, Science Managers' Committee, 1999-2003.
- U.S. Environmental Protection Agency, Endocrine Disruptor Methods Validation Subcommittee (EDMVS), Committee Member, 2001 - 2003.

Battelle, Endocrine Disruptor Screening Program, Scientific Advisory Panel, 2001-2002.

U.S. Environmental Protection Agency, Consultant to Science Advisory Board, 2000-2002.

US Environmental Protection Agency, Endocrine Disruptor Screening and Validation Task Force, 1999-2000.

US Environmental Protection Agency, Endocrine Disruptor Screening and Testing Advisory Committee (EDSTAC), 1996-1998.

US Environmental Protection Agency, Science Advisory Board, Research Strategies Advisory Committee, 1995-2002.

US-Canada International Joint Commission, Health Professionals Task Force, 1995-1999.

National Research Council, Committee to Review the Department of Interior's Biomonitoring of Environmental Status and Trends Program, 1994-1996.

Agency for Toxic Substances and Disease Registry, Bloomington, Indiana Polychlorinated Biphenyls (PCB) Project, Expert Panel, 1993.

National Public Radio, Living on Earth, Science Advisory Board, 1993-2002.

Canadian Wildlife Toxicology Fund, Review Panel, 1992-1996.

US Environmental Protection Agency and US Food and Drug Administration co-sponsored "Workshop on Developmental Neurotoxic Effects Associated with Exposure to PCBs," Review Panel, 1992.

Agency for Toxic Substances and Disease Registry (ATSDR), Great Lakes Human Health Research Committee, authorized under the Great Lakes Critical Program Act of 1990, Science Advisory Consultant Group, 1992-1993.

US Fish and Wildlife Service, Patuxent Research Review Panel, Chair, Environmental Contaminants Research Team, Blue Ribbon Panel, 1991.

Great Lakes Protection Fund, Advisory Council, 1991-1994.

International Joint Commission, Biological Effects Subcommittee, Science Advisory Board, 1990-1994.

Gubernatorial Appointee, Colorado Natural Areas Program, Dept. of Natural Resources, (1978-1986). Chair, 1982-1985.

### **AWARDS OR RECOGNITION**

TIME Global Environmental Heroes Award, October 2007.

National Council on Science and the Environment, Lifetime Achievement Award, February 2007.

University of California San Francisco Medical School/Collaborative for Health and the Environment 2007 Summit Award: A Woman on the Forefront: Leadership and Integrity in Science, January 2007.

Beyond Pesticides, 2006 Dragonfly Award, April 2006.

The Center for Science in the Public Interest, Rachel Carson Award, May 2004.

Society of Toxicology and Environmental Chemistry, Rachel Carson Award, November 2003.

International Blue Planet Prize, Asahi Glass Foundation, Japan, October 2000.

Norwegian International Rachel Carson Prize, June 1999.

Audubon Magazine: A Century of Conservation, 100 Champions of Conservation, 1998.

State of the World Forum, Mikhail Gorbachev, "Change Makers Award," November 1997.

Rachel Carson Leadership Award, Chatham College, June 1997.

United Nations Environment Programme (UNEP), Women Leadership in the Environment Award, March 1997.

National Conservation Achievement Award in Science, National Wildlife Federation, 1994.

Pew Scholars Award in Environment and Conservation, June 1993-1996.

W. Alton Jones Foundation, Fellowship, June 1990-1993.

The National Water Alliance Award for Excellence in Protecting the Nation's Aquatic Resources, June 1991.

US Congressional Fellowship, Office of Technology Assessment, 1985.

## **PUBLICATIONS**

**Colborn T**, Carroll LE. 2007. Pesticides, sexual development, reproduction, and fertility: Current perspective and future direction. *Human and Ecological Risk Assessment* 13(5):1078-1110.

**Colborn T**. 2006. A case for revisiting the safety of pesticides: A closer look at neurodevelopment. *Environmental Health Perspectives* 114(1):10-17.

**Colborn T**. 2004. Endocrine disruption overview: Are males at risk? In: *Hypospadias and Genital Development*, Baskin L (ed), Kluwer Academic/Plenum Publishers, pp. 189-201.

**Colborn T**. 2004. Commentary: Setting aside tradition when dealing with endocrine disruptors. *ILAR Journal* 45(4):394-400.

**Colborn T**. 2004. Neurodevelopment and endocrine disruption. *Environmental Health Perspectives* 112(9):944-949.

Vom Saal F, Palanza P, **Colborn T**, Parmigiani S. 2003. Exposure to very low doses of endocrine disrupting chemicals (EDCs) during fetal life permanently alters brain development and behavior in animals and humans. In: *Proceedings of the International Seminar on Nuclear War and Planetary Emergencies, 27th Session, Erice, Sicily, 18-26 August 2002*, Ragiani RC (ed), World Scientific Publishers, Singapore, pp. 293-308.

**Colborn T**, Smolen MJ. 2002. Cetaceans and contaminants. In: *Toxicology of Marine Mammals*, Bossert G, Vos J, Fournier M (eds), Taylor and Francis, UK, pp. 291-332.

**Colborn T**, Carson L. 2002. Autism and the Environment: Is the environment harming our children? *Autism Advocate* 35 (3):21-24.

Derocher A, Wiig O, Larsen TS, **Colborn T**, Wolkers H, Schlabach M. 2002. Contaminants in Svalbard polar bear samples archived since 1967 and possible population level effects. *Science of the Total Environment* 301(1-3):163-174.

**Colborn T.** 2002. A call for inner space research: Assuring the integrity of future generations. In: *A Better Future for the Planet Earth, Vol. II, Lectures by the Winners of the Blue Planet Prize*, Asahi Glass Foundation, Tokyo, pp. 167-187.

Brucker-Davis F, Thayer K, **Colborn T**, Fenichel P. 2002. Perchlorate: Low dose exposure and susceptible populations. *Thyroid* 12(8):739.

**Colborn T.** 2002. Clues from wildlife to create an assay for thyroid system disruption. *Environmental Health Perspectives* 110(Suppl. 3):363-367.

Bauer, R, **Colborn T**, Palanza P, Parmigiani S, vom Saal F (eds). 2002. Special Issue: Endocrine Disruptors. *Environmental Health Perspectives* 110(Suppl. 3). Preface by **T Colborn**.

**Colborn T.** 2002. Endocrine disruption: Interface between wildlife and humans. In: *Conservation Medicine: Ecological Health in Practice*, Aguirre AA, Ostfeld RS, Tabor GM, House C, Pearl MC (eds), Oxford University Press, pp. 62-75.

**Colborn T.** 2001. Say no to toxic hitch-hikers. *Ecosystem Health* 7(4):192-194.

Baskin LS, Himes K, **Colborn T.** 2001. Hypospadias and endocrine disruption: Is there a connection? *Environmental Health Perspectives* 109(11):1175-1183.

Brucker-Davis F, Thayer K, **Colborn T.** 2001. Significant effects of mild endogenous hormonal changes in humans. *Environmental Health Perspectives* 109(Suppl. 1):21-26.

**Colborn T.** 2000. Peace. In: *Architects of Peace*, Collopy M, Gardner J (eds), New World Library, Novato, CA, 1 p.

**Colborn T**, Thayer K. 2000. Aquatic Ecosystems: Harbingers of endocrine disruption. *Ecological Applications* 10(4):949-957.

Fournier M, Degas V, **Colborn T**, Omara FO, Denizeau F, Potworski EF, Brousseau P. 2000. Immunosuppression in mice fed on diets containing beluga whale blubber from the St. Lawrence Estuary and Arctic populations. *Toxicology Letters* 112-113:311-317.

DeVito M, Biegel L, Brouwer A, Brown S, Brucker-Davis F, Cheek Oliver Cheek, A, Christensen R, **Colborn T**, *et al.* 1999. Screening methods for thyroid hormone disruptors. *Environmental Health Perspectives* 107(5):401-415.

**Colborn T**, Short P, Gilbertson M (eds). 1999. Special Issue: Health Effects of Contemporary-Use Pesticides: The Wildlife/Human Connection. *Toxicology and Industrial Health* 15(1-2):1-275.

Short P, **Colborn T.** 1999. Pesticide use in the US and policy implications: A focus on herbicides. *Toxicology and Industrial Health* 15(1-2): 240-275.

**Colborn T.** 1998. Endocrine disruption from environmental toxicants. In: Rom WN (ed) *Environmental and Occupational Medicine*, 3rd Edition. Lippincott-Raven Publishers, Philadelphia, pp. 807-815.

Ankley G, **Colborn T**, Mihaich E, Stahl R, Tillitt D, *et al.* 1998. Overview of a workshop on screening methods for detecting potential (anti-) estrogenic/androgenic chemicals in wildlife. *Environmental Toxicology and Chemistry* 17(1):68-87.

**Colborn T**, Smolen MJ, Rolland R. 1998. Environmental neurotoxic effects: The search for new protocols in functional teratology. *Toxicology and Industrial Health* 14 (1-2):9-23.

**Colborn T**, vom Saal FS, Short P (eds). 1998. Environmental endocrine-disrupting chemicals: Neural, endocrine, and behavior effects. *Toxicology and Industrial Health* 14(1-2):1-365.

**Colborn T.** 1998. Building scientific consensus on endocrine disruptors. *Environmental Toxicology and Chemistry* 17(1):1-2.

Ludwig JP, Summer CL, Auman HJ, Gauger V, Bromley D, Giesy JP, Rolland R, **Colborn T.** 1997. The roles of organochlorine contaminants and fisheries bycatch in recent population changes of Black-footed and Laysan Albatrosses in the North Pacific Ocean. In: *Albatross Biology and Conservation*, Robinson G, Gales R (eds), Surrey Beatty & Sons, Chipping Norton, pp. 225-238.

Auman HJ, Ludwig JP, Giesy JP, **Colborn T.** 1997. Plastic ingestion by Laysan Albatross chicks on Sand Island, Midway Atoll, in 1994 and 1995. In: *Albatross Biology and Conservation*, Robinson G, Gales R (eds), Surrey Beatty & Sons, Chipping Norton, pp. 239-244.

**Colborn T.** 1997 Dec. Screening and testing chemicals for prenatal exposures and effects. The Risk Advisory, American Chemical Society, Washington DC.

**Colborn T,** Smolen MJ. 1997. Endocrine disruption: Hidden threats to wildlife. *Endangered Species Update* 14(9-10):6- 10.

Jones PD, Hannah DJ, Buckland SJ, Day PJ, Leathem SV, Porter LJ, Auman HJ, Sanderson TJ, Summer C, Ludwig JP, **Colborn T,** Giesy JP. 1996. Persistent synthetic chlorinated hydrocarbons in albatross tissue samples from Midway Atoll. *Environmental Toxicology and Chemistry* 15(10):1793-1800.

Auman HJ, **Colborn T,** Froese KL, *et al.* 1996. PCBS, DDE, and TCDD-EQ in two species of Albatross on Sand Island, Midway Atoll, North Pacific Ocean. *Environmental Toxicology and Chemistry* 16(3):498-504.

**Colborn T,** de Fur PL. 1996. Endocrine disruptors: Opening Pandora's box, *SETAC News* 16(4) :10-11.

**Colborn T.** 1996. From Silent Spring (1962) to Wingspread (1991). *Comments on Toxicology* 4(4-5):319-328.

**Colborn T,** Dumanoski D, Myers JP. 1996. *Our Stolen Future*. Dutton, New York, NY, 306 pp.

**Colborn T.** 1996. The Great Lakes: A model for global concern. In: *Interconnections Between Human and Ecosystem Health*, Di Guillo RT, Monosson E (eds), Chapman & Hall Publishers, London, pp. 86-102.

**Colborn T,** Smolen MJ. 1996. An epidemiological analysis of persistent organochlorine contaminants in cetaceans. *Reviews of Environmental Contamination and Toxicology* 146:91-172.

**Colborn T.** 1995. Environmental estrogens: Health implications for humans and wildlife. *Environmental Health Perspectives* 103( Suppl. 7):135-136.

**Colborn T.** 1995. Pesticides - How research has succeeded and failed in transforming policy: Endocrinological effects in wildlife. *Environmental Health Perspectives* 103(Suppl. 6):81-85.

**Colborn T,** Gilbertson M, Rolland RM (eds). 1995. *Wildlife Development. Environmentally-induced alterations in development: A focus on wildlife.* *Environmental Health Perspectives* 103(Suppl. 4).

**Colborn T.** 1994. The wildlife/human connection: Modernizing risk decisions. *Environmental Health Perspectives* 102(Suppl. 12):55-59.

**Colborn T.** 1994/5. Chlorine: Dispelling seeds of doubt and disaster, In: *Environment Strategy America*, Reilly W (ed), pp 60-61.

**Colborn T**, Soto A, vom Saal F. 1993. Developmental effects of endocrine-disrupting chemicals in wildlife and humans. *Environmental Health Perspectives* 101(5):378-384.

**Colborn T**. 1992. Co-author: Health effects section of the EPA Great Waters Report to Congress, authorized under the Clean Air Act Amendments of 1990.

Clement C, **Colborn T** (eds). 1992. Chemically-Induced Alterations in Sexual and Functional Development: The wildlife/human connection. *Advances in Modern Toxicology Volume XXI*, Princeton Scientific Publishing Inc. Princeton, NJ, 403 pp. ISBN: 0-911131-35-3.

**Colborn T**. 1991. Nontraditional evaluation of risk from fish contaminants. In: *Proceedings of a Symposium on Issues in Seafood Safety*, Ahmed F (ed), Institute of Medicine, National Academy of Sciences, pp. 95-122.

**Colborn T**. 1991. Epidemiology of Great Lakes bald eagles. *Journal of Toxicology and Environmental Health* 33:395-453.

**Colborn T**. 1991. Global implications of Great Lakes wildlife research. *Journal of International Environmental Affairs* 3(1):3-25.

**Colborn T**. 1991. Environmental degradation and health care costs. Book review of *Health and the Global Environment*, Ross Hume Hall RH (ed), *Chemical and Engineering News* 69(50):25-26.

**Colborn T**, Duda A, Gilbertson M. 1991. IJC fosters use of forensic approach to identify ecosystem effects of persistent toxic substances. *Focus on International Joint Commission Activities* 16(2):7-10.

**Colborn T**, Myers JP. 1991. Blundering questions, weak answers lead to poor pesticide policies and rebuttal: Immense unknowns characterize the assessment of pesticide risks. *News Forum, Chemical and Engineering News* (1991 Jan 7):40-43.

**Colborn T**, Davidson A, Green SN, Hodge RA, Jackson CL, Liroff RA (eds). 1990. *Great Lakes: Great Legacy? The Conservation Foundation and The Institute for Research on Public Policy*, Washington, DC.

**Colborn T**. 1990. The wildlife connection: wetlands and toxicology. *National Wetlands Newsletter* 12(5):17-18.

**Colborn T**, Liroff RA. 1990. Toxics in the Great Lakes. *EPA Journal* 16(6):5-8.

**Colborn T**. 1990. Innovative approaches for evaluating human health in the Great Lakes Basin using wildlife toxicology and ecology. Report to the Health Effects Committee of the Science Advisory Board, International Joint Commission.

**Colborn T**. 1989. The high price of progress. Book review: *High Tech Holocaust*, J. Bellini (ed) *Chemical and Engineering News* 67(44):65-68.

**Colborn T**. 1989. The impacts of Great Lakes toxic chemicals on human health. A Working Paper Report to the Environmental Health Directorate, Canada.

**Colborn T**, Chudnoff J, Friedman RM, Harrison K, Milford JB, Rapoport RD, Szabo NB (eds). 1989. *Catching our Breath: Next Steps for Reducing Urban Ozone*. Congress of the United States, Office of Technology Assessment, 238 pp.

**Colborn T**. 1989. Background Paper - An overview of toxic substances and their effects in the Great Lakes Basin Ecosystem. Report to Health Effects Committee, Science Advisory Board, International Joint Commission.

**Colborn T**. 1988. The use of toxicity equivalency as a complement to biomonitoring and wildlife research in the Great Lakes. Report to Environmental Results Branch, Office of Policy, Management, Planning and Evaluation, U.S. Environmental Policy Agency.

**Colborn T.** 1988. The Great Lakes toxics working paper. Environmental Interpretation Division, Environment Canada.

Barnard W, **Colborn T**, Ham, J. Johnson P, Pauli D. 1988. Using desalination technologies for water treatment. Congress of the United States, Office of Technology Assessment.

Blackwelder B, **Colborn T**, Harding B. 1987. Alternatives to traditional water management in the United States. *Ambio* 16(1):32-37.

**Colborn T.** 1987. *Pteronarcys californica* Newport: Mortality and cadmium accumulation at three stations on the Gunnison River, Gunnison County, Colorado. In: Heavy Metals in the Environment, Vol. 2, Lindberg SE, Hutchinson TC (eds), 3 pp.

**Colborn T.** 1986. The use of the stonefly, *Pteronarcys californica* Newport, as a measure of biologically available cadmium in a high altitude river system, Colorado, USA. *Water Quality Bulletin, World Health Organization* 11(3):141-147.

**Colborn T.** 1985. The use of the stonefly, *Pteronarcys californica* Newport, as a measure of bioavailable cadmium in a high-altitude river system, Gunnison County, Colorado. Ph.D. Thesis, University of Wisconsin, Department of Zoology.

**Colborn T.** 1982. Measurements of low levels of molybdenum in the environment using aquatic insects. *Bulletin of Environmental Contamination and Toxicology* 29:422-428.

**Colborn T.** 1982. Aquatic insects as measures of trace element presence in water, cadmium and molybdenum. In: *Aquatic Toxicology and Hazard Assessment*, Pearson JB, Foster RB, Bishop WE (eds). ASTM, STP 766, pp. 316-325.

**Colborn T.** 1981. Aquatic insects as measures of trace element presence: cadmium and molybdenum. Master's Thesis, Western State College of Colorado.

#### **SELECTED PROFESSIONAL ACTIVITIES**

Testified: **Potential Health Effects of Residues in Oil and Gas Drilling Reserve Pits in New Mexico.** New Mexico Oil Conservation Division Hearing on New Rules for Oil and Gas Pits. Santa Fe. November 13, 2007

Testified: **The Need for Full Disclosure of Chemicals Used to Produce and Deliver Natural Gas.** US House Committee on Oversight and Government Reform, The Applicability of Federal Requirements to Protect Public Health and the Environment from Oil and Gas Development. Washington DC. October 31, 2007

Speaker/Panelist: **Immediate and Emerging Long Term Public Health Impacts of Natural Gas Development and Delivery.** Sustaining Colorado's Watersheds: Making the Water Quality Connections. Colorado Association of Water Conservancy Districts. Breckenridge, CO, October 3, 2007

Testified: **Potential Health Impacts of Natural Gas Development and Delivery.** Interim Committee to Study the Allocation of Severance Tax and Federal Mineral Lease Revenue, Colorado State Legislators Hearing. Rifle, CO, July 24, 2007

Plenary Speaker: **Emerging Public Health Issues: Stealth Chemicals in our Water Resources.** Emerging Contaminants of Concern in the Environment: Issues, Investigations, and Solutions. American Water Resources Association, Vail, CO June 25 2007

Speaker/Discussant: **An Introduction to Environmental Health Issues and Natural Gas Development.** The Oil and Gas Accountability Project (OGAP)'s 2005 People's Oil and Gas Summit: Toxics in Our Communities, Farmington, NM October 28-29, 2005

Speaker/Panelist: **Gas Development in the Colorado River Watershed: A Public Health Issue.** 2005 Colorado River Water Conservation District Seminar, Grand Junction, CO September 30, 2005

Speaker: **Emerging Public Health Issues in Surface Waters: A Look at the Colorado River Drainage.** Mesa College Environmental Resources Series. Grand Junction, CO. September 19, 2005.

Speaker: **Chemical Exposure and Human Health.** A Community Forum for Safe Cosmetics sponsored by The Campaign for Safe Cosmetics. Mission San Francisco, CA, June 2, 2005

Opening Address: **Endocrine Disruptors; Stealth Health Effects of Pesticides.** San Francisco Integrated Pest Management Conference. Part of the World Environment Day Activities. Presidio, San Francisco, CA June 2, 2005.

Speaker/Consultation: **Endocrine Disruptors: Stealth Chemicals You Need to Know More About.** Palo Alto Department of Public Health, CA. May 31, 2005.

Speaker: **Endocrine Disrupting Chemicals: In Your Body? In the Products You Use? In Your Future?** Department of Zoology, University of Florida, Gainesville, FL. October 5, 2004

Speaker: **Emerging Public Health Issues in Surface Waters: Stealth Chemicals in Colorado River Water?** Colorado Watershed Assembly, Glenwood Springs, CO September 9, 2004.

Speaker: **Endocrine Disruptors: Stealth Chemicals You Need to Know More About.** Denver University Guest Lecture Series. Denver, CO. April 28, 2004.

Speaker: **Endocrine Disruptors: Stealth Chemicals You Need to Know More About.** Boulder Creek Watershed Forum, Boulder, CO. April 26, 2004.

Speaker: **Endocrine Disruptors: Stealth Chemicals in Western Slope Watersheds You Need to Know More About.** Mesa College Natural Resources Department Lecture Series. Grand Junction, CO. April 18, 2004.

Keynote Speaker: **Stealth Chemicals: From Personal to Global Implications.** High Country Citizen's Alliance, Crested Butte, Colorado, October 3, 2003.

Speaker: **Environmental Health and Children: From the Womb to School.** Long Beach Memorial Medical Center, Miller's Children's Hospital. May 3, 2003.

Speaker: **Tallying Up Endocrine Disruption: How Much Does it Affect Your Life?** Carnegie Mellon University Environmental Distinguished Lecture Series and the University Lecture Series April 21, 2003.

Teleconference Keynote Address, **Healthy Environment Forum**, Oregon Environmental Council, Portland, OR, March 20, 2003.

Teleconference Speaker, **Forum for Business and the Environment**, Oregon Environmental Council, Portland, OR, March 20, 2003.

Presentation via teleconference. **Friends of the Earth and The Breast Cancer Fund Strategy Session**, Washington, DC, March 13, 2003.

Member Participant. **International Joint Commission Great Lakes Commission Workshop--An Ecosystem Approach to the Health Effects of Mercury in the Great Lakes Basin**, Windsor, Canada, February 26-27, 2003.



Keynote Speaker. **EPA Annual Regional Children's Environmental Health Coordinators National Meeting**, Denver, CO, January 30, 2003.

Featured speaker. **Health & Environmental Funders' Network National Teleconference**, June 27, 2002.

Panelist. **New Jersey Environmental Advocates Day**, Environmental Toxins, US Senate, Washington, DC, June 12, 2002.

Speaker. **"Healthy Ecosystems/Healthy People", International Society for Ecosystem Health and Conservation International Conference**, Maintaining biological integrity from individuals to populations, Washington, DC, June 9, 2002.

Speaker. **James Ford Bell Foundation and Minneapolis Family Foundations**, Stealth chemicals--Sabotaging the destiny of wildlife and humans, Minneapolis, MN, May 23, 2002.

Speaker. **Japanese Diet**, Hormone (endocrine) disruptors and children's health. Tokyo, Japan, May 16, 2002.

Speaker. **Blue Planet Prize 10<sup>th</sup> Anniversary**, Human integrity and reproductivity: At risk? Tokyo, Japan, May 14, 2002.

Lecturer. **Marine Conservation Biology Series, Hopkins Marine Station of Stanford University**, Endocrine disruptors: What are the risks?, Monterey, CA, April 26, 2002.

Lecturer. **Hypospadias & Genital Development Congress**, Endocrine disruptors overview--Are males at risk?, University of California San Francisco, Medical School, CA, April 25, 2002.

Participant. **National Geographic Teleconference on The State of the Planet**, Washington, DC, March 29, 2002.

Conference Organizer. **International Conference on the Impact of Endocrine Disruptors on Brain Development and Behavior**, Erice, Sicily, March 15-20, 2002.

Speaker. **Rachel's Network Annual Meeting**, Restoring the integrity of inner space, Washington, DC, March 11, 2002.

Lecturer. **Johns Hopkins University Bloomberg School of Hygiene & Public Health Seminar**, From patient to population: thinking big, Baltimore, MD, February 19, 2002.

Panelist. **College of William & Mary Graduate Seminar**, Washington, DC, November 8, 2001.

Keynote Speaker. **U.S. Fish and Wildlife Service National Symposium on Rachel Carson and the Conservation Movement: Past Present, and Future**, Restoring the integrity of inner-space, Shepherdstown, WV, August 10, 2001.

Speaker. **Chautauqua Institution: Phenomenon of Heroism Week**, Our Stolen Future: The need for inner space research, Chautauqua, NY, July 20, 2001.

Speaker. **Local Motion Toxins in the Environment Series**, Endocrine disruption: Lessons from the Great Lakes, Grosse Pointe, MI, July 12, 2001.

Focus of 2 episodes. **NHK Japan Broadcasting Corporation Super-teachers television series**. Filmed in Delta County, Colorado, June 12-13, 2001 and Lake Superior and Munising, Michigan, June 16-17, 2001.

Luncheon Address. **Nineteenth National Pesticide Forum: Healthy Ecosystems, Healthy Children**, The inner-space age of research: Hope for the new millennium, Boulder, CO, May 19, 2001.

Speaker. **University of Maryland Seminar**. Endocrine disruption: An update, College Park, MD, May 14, 2001.

Speaker. **University of Rochester Community Seminar**, Our stolen future, Rochester, NY, April 23, 2001.

Speaker. **University of Minnesota Annual Kolshorn Lecture**, Inner-space research: Assuring biological integrity, Minneapolis, MN, April 9, 2001.

Keynote Speaker. **Department of the Interior Annual Conference on the Environment**, The path before us: Environmental stewardship in the 21<sup>st</sup> century, Albuquerque, NM, March 13, 2001.

Speaker. **Test Smart- Endocrine Disruptors**, Perspectives on the origin, the issue and the future of animal testing. Johns Hopkins University Center for Alternatives to Animal Testing, Baltimore, MD, February 21, 2001.

Speaker. **Third International Symposium on Environmental Endocrine Disruptors**, Endocrine disruption testing: toward a better understanding of inner space, Yokohama, Japan, December 16, 2000.

Speaker. **The Interdisciplinary Council on Developmental and Learning Disorders Fourth International Conference on Autism**, Endocrine disruptors: Prenatal impacts, Arlington, VA, November 11, 2000.

Speaker. **Citizen's Roundtable on Endocrine Disruption**. Japan Offspring Fund/WWF Japan, Tokyo, Japan, October 28, 2000.

Speaker. **Research Council of Norway**, Oslo, Norway, May 30, 2000.

Speaker. **Women Show the Way Closing Session**, Stavangen, Norway, May 27, 2000.

Speaker. **"Stolen Future"- A Conference on Endocrine Disruptors**, Rogaland Research Institute, Stavanger, Norway, May 26, 2000.

Briefing. **IJC Commissioners Meeting**, Health Effects of PCBs, Washington, DC, April 12, 2000.

Panelist. **Challenges and Priorities for the United Nations in the 21<sup>st</sup> Century**, Washington, DC, April 12, 2000.

Speaker. **E.N. Thompson Forum on World Issues**, Endocrine Disruption: From Wildlife to Humans, Lincoln, Nebraska, March 2, 2000.

Keynote Speaker. **National Basketball Association Newsmakers Breakfast**, San Francisco, CA, February 12, 2000.

Testified. **House of Commons Standing Committee Hearing on Environment and Sustainable Development**, Ottawa, CA, November 17, 1999.

Speaker. **ADHD: Causes and Possible Solutions**, The human/wildlife/laboratory connection, Washington, DC, October 4-7, 1999.

Keynote Speaker. **Association for Women in Science Endocrine Disruptor Conference**, Kent State University, Kent, Ohio, October 14, 1999.

Speaker. **Texas A & M University, Department of Wildlife and Fisheries Sciences**, Endocrine disruption: From wildlife to humans, College Station, TX, October 7, 1999.

Speaker. **Knight Center for Specialized Journalism, University of Maryland, Covering Public Health Seminar**, Endocrine disruption, College Park, MD, June 9, 1999.

Speaker. **Johnson & Johnson, Worldwide Environmental Steering Committee Meeting**, Endocrine disruption, New Jersey, May 19, 1999.

Speaker. **Center for American Politics and Public Policy, University of California, Los Angeles**, Washington DC Programs, Washington, DC, May 10, 1999.

Speaker. **National Pollution Prevention Roundtable Spring Conference**, Washington, DC, May 8, 1999.

Speaker. **Center for Conservation Medicine, Tufts University/WPTI/Harvard CHGE, Conservation Medicine Conference**, Endocrine disruptors: Interface between wildlife and humans, Jacksonville, FL, April 29-May 2, 1999.

Speaker. **Institute of Ecology, University of Georgia, 15<sup>th</sup> Annual Odum Ecology Lecture Series and Forum**, Endocrine disruptors and the web of life, Athens, GA, April 16, 1999.

Speaker. **Johns Hopkins University, Public & Participatory Democracy Class**, The role of the citizen in the endocrine disruptor policy, Washington, DC, March 24, 1999.

Speaker. **International Joint Commission, Science Advisory Board Meeting**, Assessing scientific issues in relation to lake-wide management plans, Ontario, Canada, February 25-26, 1999.

Speaker. **Peninsula Open Space Trust, Wallace Stegner Lecture Series**, Open Space, Outer Space, and Inner Space, Menlo Park, CA, February 17, 1999.

Speaker. **American Public Health Association**, Endocrine Disruptors: An update, Washington, DC, November 15-19, 1998.

Participant. **Workshop on Marine Mammals and Persistent Ocean Contaminants**, Identification and determination of the most effective means for resolving critical uncertainties, Keystone, CO, October 12-15, 1998.

Speaker. **American Bar Association**, Section of Natural Resources, Energy & Environmental Law, Science and regulatory policy on endocrine disruptors, Hilton Head Island, SC, October 9, 1998.

Speaker. **Great Lakes United Testimony**, Buffalo, NY, October 6, 1998.

Speaker. **Rachel Carson Council**, Pesticides as endocrine disruptors: Relating effects of pesticide use on wildlife to human health as well, Fairfax, VA, September 25-26, 1998.

Speaker. **National Breast Cancer Coalition Fund**, Environmental Policy Summit, Washington, DC, September 23-24, 1998.

Speaker. **University of Toledo Lecture Series**, Toledo, OH, September, 14-16, 1998.

Speaker. **US EPA: Office of Water**, Aquatic ecosystems: A new look at contamination, Washington, DC, July 30, 1998.

Speaker. **US EPA**, Meeting on Ecological and Human Health Effects of PCBs, Kimberley, WI, July 27, 1998.

Session Chair. **Gordon Research Conference**, Environmental endocrine disruptors, Plymouth State, NH, July 12-17, 1998.

Speaker. **The Global Integrity Project: World Bank**, Endocrine disruptors and global integrity, Washington, DC, July 10, 1998.

Speaker. **1st Session of the Intergovernmental Negotiating Committee (INC) for an International Legally Binding Agreement on Persistent Organic Pollutants (POPS)**, Wildlife, Ecosystems at risk, Montreal, Canada, June 29-July 3, 1998.

Speaker. **American Society of Limnology and Oceanography/Ecological Society of America**, Aquatic ecosystems: Harbingers of endocrine disruption, St. Louis, MO, June 7-9, 1998.

Speaker. **The Oak Foundation, Environmental Retreat**, Our Stolen Future: Environmental hazards and the new Millennium, Geneva, Switzerland, May 9, 1998.

Speaker. **Michigan Technological University, Lecture Series**, Our Stolen Future: An overview of the science behind the message, Houghton, MI, May 4, 1998.

Speaker. **American Association for the Advancement of Science, 1998 Science and Engineering Fellows Luncheon Seminar**, Endocrine disruptors, Washington, DC, April 23, 1998.

Speaker. **Grace Church Georgetown, Thank God It's Friday: Lenten Luncheon Series**, Georgetown, Washington, DC, April 3, 1998.

Keynote Speaker. **Watkins Life Science Conference, Wichita State University**, Environmental agents and reproduction: Lessons learned from the clinic, the lab and the field, Wichita, KS, March 20-21, 1998.

Panelist. **Council on Foundations: 12th Family Foundations Conference: A Ribbon of Dreams - How green was my valley.** Expert briefing on the environment, Los Angeles, CA, Feb. 23-25, 1998.

Speaker. **American Association for the Advancement of Science**, Environmental chemicals as endocrine disruptors: Scientific evidence and public policy. Philadelphia, PA, Feb. 16, 1998.

Keynote Speaker. **School of the Environment, Duke University, Lecture Series - Endocrine disruptors in the environment.** Raleigh, NC, Jan. 26, 1998.

Speaker. **Society for Integrative & Comparative Biology Annual Conference**, An endocrine update: Signals from the womb to the population level. Boston, MA, Jan 3-7, 1998.

Speaker. **59th Midwest Fish & Wildlife Conference**, Managing Natural Resources: Integrating ecology and society. Milwaukee, WI, Dec. 7-10, 1997.

Speaker. **University of Wisconsin**, Lecture Series, An endocrine update: Signals from the womb to the population level. Wisconsin, MA, Dec. 5, 1997.

Speaker. **The Long Island Breast Cancer Action Coalition**, The Pesticide Project: A statewide educational series on reducing risks. White Plains, NY, Nov. 20, 1997.

Plenary Speaker. **State of the World Forum Annual Conference**, Toward a new civilization. San Francisco, CA, Nov. 4-9, 1997.

Speaker. **International Joint Commission/Great Lakes United Public Forum**, Niagara, Canada, Nov. 1-2, 1997.

Keynote Speaker. **Northwest Coalition for Alternatives to Pesticides: 20th Anniversary Conference**, Pesticides communities and change: Celebrating 20 years of activism. Portland, OR, Oct. 12, 1997.

Speaker. **Center for Health, Environment & Justice: Grass Roots Convention**, Winning justice step by step. Alexandria, VA, Oct. 4, 1997.

Speaker. **Canadian Manufacturers of Chemical Specialties Association**, Tools for the new millennium. Barrie, Canada, Sept. 25, 1997.

Speaker. **ECOTECH III Annual Conference: Project of Global Futures Foundation**, The power of III: Business, technology, the earth, creating systems and synergies for a changing world. Asilomar, Monterey, CA, Sept. 18, 1997.

Speaker. **International Workshop, International Joint Commission**. Policy implications of new evidence regarding toxic substances and human health. Wingspread, Racine, WI, Sept. 5, 1997.

Keynote Speaker. **Aspen Institute - Lecture Series**, Which values? Whose values? Shaping society in the 21st Century. Aspen, CO, July 10, 1997.

Panel Speaker. **Forum on State and Tribal Toxics Action (FOSTTA)**, U.S. Environmental Protection Agency: Pollution Prevention Project, Alexandria, VA, June 24, 1997.

Keynote Speaker. **Chatham College**, Chatham Green Garden's Party: A benefit for the college Arboretum and Rachel Carson Institute and Scholarship Fund, Pittsburgh, PA, June 19, 1997.

Speaker. **National Public Radio: Living on Earth Board of Science Advisors Meeting**, Sound science, sound journalism. Cambridge, MA, May 21, 1997.

Speaker. **American Industrial Hygiene Association Annual Meeting**, Our Stolen Future. Dallas, TX, May 19, 1997.

Speaker. **GLOBE International XIIth General Assembly Meeting**, Our Stolen Future. European Parliament, Brussels, Belgium, May 7, 1997.

Speaker. **Workshop hosted by the World Wide Fund for Nature - Germany and the Ministry of Environment of Lower Saxony**. Our Stolen Future. Hannover, Germany, May 5, 1997.

Speaker. **Center for a Livable Future, Johns Hopkins University School of Medicine**, Endocrine disruptors: Research and policy amid uncertainties - Where do we go from here? Baltimore, MD, April 30, 1997.

Speaker. **Social Venture Network**, Values of the emerging culture. Mohonk Mountain House, New Paltz, NY, April 19, 1997.

Briefing. **European Parliament**, Endocrine disrupting chemicals: What must be done now? Brussels, Belgium, April 16, 1997.

Briefing. **Agricultural University**, Our Stolen Future. Ede, The Netherlands, April 11, 1997.

Plenary Speaker. **Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting**, Endocrine disruptors: scenario: 21st Century. Amsterdam, The Netherlands, April 6, 1997.

Speaker. **University of Michigan**, Our Stolen Future. Ann Arbor, MI, March 26, 1997.

Speaker. **Harvard Divinity School**, Our Stolen Future. Cambridge, MA, March 20, 1997.

Speaker. **Harvard University Committee on Environment**, Our Stolen Future. Cambridge, MA, March 19, 1997.

Speaker. **Brandeis University**, Our Stolen Future. Waltham, MA, March 18, 1997.

Speaker. **Milwaukee Public Museum**, Our Stolen Future. Milwaukee, WI, March 14, 1997.

Speaker. **University of Colorado**, Our Stolen Future. Boulder, CO, March 12, 1997.

Plenary Speaker. **Forum on State and Tribal Toxics Action (FOSTTA)**, U. S. Environmental Protection Agency - Pollution Prevention Project. Alexandria, VA, March 3, 1997.

Speaker. **Rutgers University: Undergraduate Science Discovery Program, Seminar Series**. Newark, NJ, February 18, 1997.

Keynote Speaker. **University of Maryland, Water and Resources Center/Department of Chemistry and Biochemistry, Lecture Series**. Silver Spring, MD, February 10, 1997.

Speaker. **National Oceanic and Atmospheric Administration Seminar**. Silver Spring, MD, January 29, 1997.

Speaker. **American Water Resources Association National Capital Section Meeting**. Washington, DC, January 23, 1997.

Speaker. **Learning Alliance**, Our Stolen Future. New York City, NY, December 10, 1996.

Featured Speaker. **Northminster Presbyterian Church**. Indianapolis, IN, December 8, 1996.

Speaker. **The New England College of Occupational and Environmental Medicine Annual Conference**, Persistent organic chemicals: Can they disrupt endocrine systems? Boston, MA, December 5, 1996.

Speaker. **The Joyce Foundation Board of Directors Meeting**. Chicago, IL, November 20, 1996.

Speaker. **American Public Health Association Annual Meeting**, Endocrine disruptors: More than just pseudo-estrogens and low sperm counts? New York City, NY, November 18, 1996.

Speaker. **Society of Environmental Toxicology and Chemistry Annual Meeting**, In retrospect: Endocrine disruption, 1991 - 1996. Washington, DC, November 19, 1996.

Speaker. **Monsanto Company**, In-House Presentation to Monsanto Employees. St. Louis, MO, November 11, 1996.

Keynote Speaker. **Illinois Environmental Protection Agency's Fifth Annual Recognition Ceremony**. Springfield, IL, November 6, 1996.

Speaker. **For Generations to Come: A Canadian Conference on Contaminants, the Environment, and Human Health in the Arctic**, Our Stolen Future: Contaminants and the global environment. Iqaluit, Northwest Territories, Canada, October 8-10, 1996.

Plenary Speaker. **State of the World Forum**, Toxics: An impending global health crisis. San Francisco, CA, October 2-6, 1996.

Organizer. **International Workshop**, Health effects of contemporary-use pesticides: The wildlife/human connection. Wingspread, Racine, WI, September 27-29, 1995.

Speaker. **International Platform Association Convention**, Scientists say the darndest things. Washington, DC, August 3, 1996.

Speaker. **Wildlife Disease Association Annual Meeting**, Endocrine disorders in wildlife associated with environmental contaminants. Fairbanks, Alaska, July 23, 1996.

Speaker. **Ecotox Workshop, University of Manitoba**, Changing endpoints/changing exposure. Winnipeg, Canada, June 17, 1996.

Keynote Speaker. **Rutgers University, Society for Environmental Journalists/Environmental and Occupational Health Sciences Institute**. NJ, June 14, 1996.

Speaker. **87th Annual Special Libraries Association Meeting**, Endocrine disruptors in the environment: Our Stolen Future? Boston, MA, June 9, 1996.

Keynote Speaker. **3rd Annual Midwest Regional Conservation Committee/Mississippi Ecoregion Task Force "Big River" Meeting**, Our Stolen Future. Washington, DC, June 8, 1996.

Featured Speaker. **Natural Resources Council of America**, Conservation Roundtable Luncheon, Our Stolen Future. National Press Club, Washington, DC, June 5, 1996.

Plenary Speaker. **International Association of Great Lakes Researchers**, Endocrine disruptors in the Great Lakes: An overview and historical perspective. Erindale College, Mississauga, Ontario, Canada, May 27, 1996.

Speaker. **Conference on Hazardous Substances**, Hazardous substances' effects on animals. Copenhagen, Denmark, April 24, 1996.

Speaker. **Danish-Scandian Society for Male Reproduction**, Environmental estrogens: Reproductive failure in wild animals. Rigshospitalet, Copenhagen, Denmark, April 24, 1996.

Briefing. **International Joint Commission**, Our Stolen Future. Washington, DC, April 16, 1996.

Speaker. **Marine Leadership Conference**, Our Stolen Future. Marathon, FL, April 2, 1996.

Plenary Speaker. **15th Annual National Campaign for Pesticide Policy Reform Meeting**, Our Stolen Future. Washington, DC, March 16, 1996.

Speaker. **Department of Urban and Environmental Planning, School of Architecture**, Environmental Choices 1996 - Endocrine disruptors: A global design problem. University of Virginia, Charlottesville, VA, March 4, 1996.

Speaker. **Declaration of Interdependence - Jefferson Lecture Series in the Rotunda**, An interdisciplinary challenge: Restoring the birthright to be born chemical free. University of Virginia, Charlottesville, VA, March 4, 1996.

Banquet Speaker. **Tulane Law School**, Louisiana Environment '96: Law, Science, and the Public Interest. Our Stolen Future, New Orleans, LA, February 24, 1996.

Speaker. **Department of Veterans Affairs, Psychiatry Lecture Series**, Endocrine disruptors: Long-term sequel of exposure to environmental pollutants. Baltimore, MD, February 9, 1996.

Featured Speaker. **University of Maryland, School of Public Affairs Environmental Policy Program, Lecture Series**, Our Stolen Future. College Park, MD, December 6, 1995.

Organizer. **International Work Session**, Environmental endocrine disrupting chemicals: Neural, endocrine, and behavioral effects. Erice, Sicily, November 5-10, 1995.

Keynote Speaker. **13th International Neurotoxicology Conference**, Neurobehavioral effects arising from environmentally relevant chemical exposures. Hot Springs, AR, October 29, 1995.

Plenary Speaker. **Environmental Grantmakers Association**, Unraveling of the web of life: Environmental degradation and health deterioration. Ceder, MI, October 12-13, 1995.

Plenary Speaker. **Society for Theriogenology**, Hormone Havoc: The wildlife/human connection. San Antonio, TX, September 13-15, 1995.

Participant. **International Workshop**, Chemically-induced alterations in the functional development and reproduction of fishes. Wingspread, Racine, WI, July 21-23, 1995.

Speaker. **5th Annual Society of Environmental Toxicology and Chemistry (SETAC) European Conference**, The wildlife/human connection: Transgenerational loss of function. Copenhagen, Denmark, June 27, 1995.

Commencement Speaker. **Western State College of Colorado**, Gunnison, CO, June 3, 1995.

Speaker. **S. C. Johnson Wax Officers' Meeting**, Chemicals in the environment. Racine, WI, May 24, 1995.

Speaker. **Russian River Watershed Protection Committee**, Environmental estrogens: Pathway to extinction? Santa Rosa, CA, May 13, 1995.

Speaker. **University of California at Davis, Ecotoxicology Seminar**, Gambling with biodiversity. Davis, CA, May 12, 1995.

Speaker. **Howard Heinz Endowment Board Meeting**, Observed phenomenon of endocrine disruption. Pittsburgh, PA, May 9, 1995.

Guest Lecturer. **University of Massachusetts, Organismic and Evolutionary Biology Graduate Program**, Gambling with biodiversity: The wildlife/human connection. Amherst, MA, May 5, 1995.

Speaker. **Chatham College's More than Aware: Women making a Difference for the Environment**, A lost birth right: The consequence of chemical exposure for future generations. Pittsburgh, PA, April 18, 1995.

Participant. **Congressional/Parliamentary Dialogue on the Great Lakes Roundtable on US-Canada Cooperation in Pollution Prevention**. Washington, DC, January 27, 1995.

Speaker. **American Society of Zoologists Annual Meeting**, Environmental Endocrine Disruptors Symposium. St. Louis, MO, January 4-8, 1995.

Speaker. **American Public Health Association Meeting**, Washington, DC, November 1, 1994.

Panelist. **Society of Environmental Journalists**, Intergenerational effects of toxics. Provo, UT, October 6-9, 1994.

Speaker. **Windstar Foundations' Symposium**, Choices for the Future. Aspen, CO, August 27, 1994.

Speaker. **Women's Issues Network Annual Meeting**, Toxic justice: An elemental danger to women's health. Washington, DC, March 1, 1994.

Speaker. **Harvard Medical School**, Consortium for Environmental Education in Medicine, Boston, MA, May 6, 1994.

Speaker. **ATSDR Great Lakes Human Health Effects Research Symposium**, Detroit, MI, May 3-5, 1994.

Speaker. **Tufts University**, The New England Environmental Conference, Medford, MA, March 27, 1994.



Moderator. **Session at Children's Environmental Health Network Symposium**, Endocrine effects of prenatal exposure to PCB's, Dioxin and other Xenobiotics. Washington, DC, March 19, 1994.

Speaker. **National Wildlife Federation Annual Meeting**, Austin, TX, March 4, 1994.

Speaker. **Harvard School of Public Health**, The human health/wildlife connection. Cambridge, MA, January 26, 1994.

Speaker. **MIT, School of Engineering**, Organochlorine chemicals: Gambling with biodiversity. Cambridge, MA, January 25, 1994.

Speaker. **Tufts University, School of Public Policy**, Gambling with biodiversity: The wildlife/human connection. Medford, MA, January 24, 1994.

Briefings. A series of briefings for EPA administrators and staff, Congressional committee staff, Congressional Office of Technology Assessment project directors and staff, the administration's science advisory director and staff, and other key individuals in the executive branch concerning the implications of the BBC film, "Assault on the Male," January 12-30, 1994.

Panel Moderator. **National Institute of Environmental Health Sciences Conference**, Environmental estrogens: Health implications for humans and wildlife. Washington, DC, January 11, 1994.

Organizer. **International Workshop**, Environmentally induced alterations in development: A focus on wildlife. Wingspread, Racine, WI, December 10-12, 1993.

Testified. **U.S. House of Representatives**, Committee on Energy and Commerce, Subcommittee on Health and the Environment. October 21, 1993.

Panel Member. **Agency for Toxic Substances and Disease Registry Expert Panel**, Bloomington Polychlorinated Biphenyls (PCB) Project. Bloomington, IL, September 12-15, 1993.

Speaker. **Gordon Conference on Hormonal Carcinogenesis**, Newport, RI, Environmental effects on the development of hormonally responsive tissue. August 8-13, 1993.

Briefing. **US Fish and Wildlife Service**, Contaminants Division, (Director and Assistant Director) Endocrine disruptors in the environment. Washington, DC, June 21, 1993.

Participant. **California Department of Health Meeting**, In utero effects of dioxin and dioxin-like compounds. Berkeley, CA, June 12-16, 1993.

Speaker. **US Fish and Wildlife, Environmental Contaminants Division Annual Workshop**, Environmentally induced endocrine effects in wildlife and humans. Vail, CO, May 25-28, 1993.

Organizer. **Retreat and briefing for congressional staff**, Chemically induced alterations in sexual and functional development: The wildlife/human connection. Airlie House, Warrenton, VA, May 13-14, 1993.

Speaker. **US Environmental Protection Agency Conference of PCBs in Fish**, PCBs in fish tissue: The wildlife/human connection. Washington, DC, May 10, 1993.

Speaker. **International Symposium on the Ecological Effects of Arctic Airborne Contaminants**, Fairbanks, AK, May 2-7, 1993.

Panel Member. **Department of Energy**, Sandia Laboratory and RIOTECH, Vital Issues Panel, Albuquerque, NM, March 25, 1993.

Testified. **US House of Representatives**, Committee on Appropriations, Subcommittee on Interior and Related Agencies, March 24, 1993.

Testified. **US Senate**, Committee on Environment and Public Works, March 24, 1993.

Media Guest. **Frontline documentary** hosted by Bill Moyers, Pesticides in children's food. Aired in 1993.

Plenary and Breakout Speaker. **Greenpeace**, Chlorine-free Great Lakes: Local action for a global solution. Monroe, MI, December 5, 1992.

Speaker. **Tufts University, School of Medicine, Center for Reproductive Research/Center for Environmental Management, Joint Lecture Series in Environmental Health**, Boston, MA, December 10, 1992.

Speaker and Participant. **USEPA/NMFS** sponsored meeting, Dolphin disease and mortality. Pensacola, FL, December 1-3, 1992.

Panelist. **Society of Professional and Environmental Journalists National Convention**, What's new in assessing health risks from environmental and occupational contaminants. Baltimore, MD, November 20, 1992.

Organizer and Speaker. **International Joint Commission**, Scientific challenges for regulatory decision making in light of new evidence concerning the transgenerational health effects of chemicals in the Great Lakes system. Chicago, IL, November 16, 1992.

Speaker and Panelist. **The American Public Health Association Annual Meeting**, Endocrine disruption by organochlorine pollution: A focus on the Great Lakes. Washington, DC, November 11, 1992.

Organizer. **Press conference for TV, radio, and news media on new book**, Chemically Induced Alterations in Sexual and Functional Development: The wildlife/human connection. Washington, DC, November 10, 1992.

Speaker and Panelist. **American Public Health Association Annual Meeting**, Herbicides: A new perspective on potential exposure. Washington, DC, November 9, 1992.

Speaker. **Duke University, Graduate School of Environmental Studies, Fall Environmental Speaker Series**, Chemically induced alterations in development: The wildlife/human connection. Durham, NC, October 2, 1992.

Speaker. **Emory University, Department of Anthropology and Geology**, Lecture Series, Chemically induced alterations in development: The wildlife/human connection. Atlanta, GA, October 21, 1992.

Speaker. **University of Florida, Guest Lecture Series**, Chemically induced alterations in development: The wildlife/human connection. Gainesville, FL, October 20, 1992.

Planner and Speaker. **University of Wisconsin Medical School, Continuing Medical Education Credit Course in Environmental Health**, Health Implications of Great Lakes pollution. Milwaukee, WI, October 16-18, 1992.

Speaker. **Guelph University, College of Biological Science Third Decade Lecture Series**, Chemically induced alterations in development: The wildlife/human connection. Ontario, October 15, 1992.

Speaker. **University of Wisconsin, Department of Zoology, Friday Colloquium Series**, Chemically induced alterations in development: The wildlife/human connection. Madison, WI, October 9, 1992.

Briefing for **US Fish and Wildlife Service, National Fisheries Contaminant Center**, Columbia, MO, October 8, 1992.

Speaker. **University of Missouri, College of Arts and Sciences, Lecture Series**, Chemically induced alterations in sexual development: The wildlife/human connection. Columbia, MO, October 8, 1992.

Principal Investigator. **US Environmental Protection Agency Grant 1992-1993**, Global Marine Baseline Study of Organochlorine Contamination. Project extended 1993-1994-1995-1996-1997-1999.

Media Guest. **NPR-WAMU**, Radio talk show hosted by Derrick McGinty. Washington, DC, September 24, 1992.

Guest Lecturer. **Wayne State University, Department of Chemical and Metallurgical Engineering**, Certificate and Master of Science course, Public Issues in Hazardous Waste Management, for engineers at a Hazardous Materials Control Research Institute. Arlington, VA, September 20, 1992.

Speaker. **EPA monthly lectures in science**, Non-Cancer human health responses to ecologically mediated toxic exposure. Headquarters, Washington, DC, September 8, 1992.

Participant. **Great Lakes Protection Fund, Advisory Council, Planning Meeting**, Chicago, IL, August 26, 1992.

Science Advisor and Filmed Participant. **Documentary produced by CNN on the safety of eating fish**, Poisoned catch, aired on national TV. August 9-12, 1992.

Organizer and Speaker. **Trial run of a Continuing Medical Education Credit Course for Physicians in Environmental Health**, Wingspread, Racine, WI August 7-9, 1992.

Speaker. **Medical School of Wisconsin** sponsored Roundtable on environmental health for physicians. Wingspread, Racine, WI, July 31-August 2, 1992.

Speaker and Guest. **EPA Health Effects Research Laboratory**, Research Triangle Park, NC, May 7-8, 1992.

Testified. **Senate Committee on Governmental Affairs** chaired by John Glenn, Tainted water, tainted fish: Stewardship of the Great Lakes Basin. April 7, 1992.

Speaker. **Scientist's Institute for Public Information**, Human Welfare in the E-3 Equation at a Binational Great Lakes Environmental Reporting Workshop. Toronto, Ontario, April 11, 1992.

Speaker. **National Coalition Against the Misuse of Pesticides, Tenth National Pesticide Forum**, Hitting close to home: Pesticides and local rights. Alexandria, VA, March 29, 1992.

Organizer. **Symposium on Endocrine Disruptors in the Environment** for 50 federal and state government agency personnel, institute directors, and non-governmental policy personnel. Washington, DC, March 18-19, 1992.

Speaker. **Wisconsin Department of Natural Resources, Wastewater Statewide Meeting**, Appleton, WI, March 10-12, 1992.

Member. **US Fish and Wildlife Service, Biomonitoring of Environmental Status and Trends (BEST) Advisory Committee** to draft protocol for collecting field data under the Service's ten-year plan. February, 1992.

Media Interview. **CBS TV** concerning Consumer Reports survey on commercial fish safety. Aired January 16, 1992.

Media Advisor. **Consumer Reports Survey** on safety of consuming commercial fish. Also reviewed and embellished final report released on January 16, 1992.

Briefing. Following successfully lobbying for \$2 million for the **Agency for Toxic Substances and Disease Registry**, briefed the Agency's Director, Barry Johnson, and staff on the current status of human health research in the Great Lakes Basin. Washington, DC, December, 1991.

Review Panel Member. **United Nations' Environment Program's (UNEP) Marine Mammal Action Plan's Science Advisory Committee (SAC)**. Reviewed the recent dolphin die-off in the Mediterranean Sea and made recommendations to deal with research needs and future catastrophic marine events. Palma, Mallorca, Spain, November 6-8, 1991.

Speaker. **Mediterranean Striped Dolphin Mortality International Workshop**, sponsored by Greenpeace, UNEP, and World Wide Fund for Nature. Palma, Mallorca, Spain, November 4-5, 1991.

Testified. **Senate Committee on Governmental Affairs** on the efficiency and effectiveness of the federal government's efforts to protect the public and wildlife from exposure to environmental chemicals known to cause adverse developmental and reproductive outcomes. October 2, 1991.

Plenary Speaker. **Walpole Island Heritage Center, International Conference on Native American Health**, Ontario, Canada, August 26, 1991.

Science Advisor. **Audubon TV documentary**, Great Lakes, bitter legacy. Turner Television, narrated by James Earl Jones, released August, 1991.

Organizer. **International Work Session**, Chemically induced alterations in sexual development: The wildlife/human connection. Wingspread, Racine, WI, July 26-28, 1991.

Paper. **National Academy of Sciences Symposium on Seafood Safety Issues**, Non-traditional evaluation of risk from fish contaminants. May, 1991.

Colloquium Speaker. **University of Illinois**, Non-traditional approaches to managing contaminants in the environment. Chicago, IL, May, 1991.

Keynote Speaker. **International Joint Commission, Science Advisory Board Health Committee Workshop**, Standardizing protocols for wildlife and human epidemiology in the Great Lakes Basin. Syracuse University, NY, April, 1991.

Briefed. Periodically briefed Commissioners and staff of the **International Joint Commission** on current status of wildlife and human health in the Great Lakes basin. January, 1990 - January 1993.

Briefed. Producers and writers from **Channel 11, WTTW**, Chicago and 8 other Public Television Channels on current knowledge concerning toxics in the Great Lake Basin. Chicago, IL, January, 1991.

Colloquium speaker. **Virginia Polytechnic Institute, Biology Department**, The Great Lakes: A model for global contamination. Blacksburg, VA, January, 1991.

Briefed. Administrative assistants of four new Great Lakes governors on Great Lakes environmental issues for the **Council of Great Governors**. Chicago, IL, January, 1991.

Moderator. **Society of Environmental Toxicity and Chemistry (SETAC) Annual Meeting**, Opening session. Arlington, VA, 1990.

Member. Advisory panel for **Congressional Office of Technology Assessment report**, Identifying and Controlling Immunotoxic Substances. Washington, DC, 1990.

Briefed. **Region II, New York, and Region V, Chicago, EPA Directors and their administrative assistants** on the results of my analyses of wildlife and human health status in the Great Lakes Basin. May, 1990.

Testified. **U.S. House of Representatives**, Committee on Public Works and Transportation, Subcommittee on Water Resources, Conclusions reached in Great Lakes, Great Legacy? May 2, 1990.

Plenary Speaker. **Association of Wetlands Managers, Great Lakes Symposium**, Session on The wildlife/human health connection: Addressing the Great Lakes toxic problems. Niagara Falls, NY, 1990.

Speaker. **American College of Toxicology Annual Meeting**, Wildlife ecology and toxicology: New tools for public health authorities. Orlando, FL, October 29-31, 1990.

Speaker/Participant. **Health Protection Branch, Health and Welfare Canada, Environmental Health Directorate**, Workshop on toxicity of single PCB congeners. Ottawa, Canada, May 31-June 1, 1990.

Keynote Speaker. **Society of Toxicology Annual Meeting**, Wildlife toxicology as a new tool for human health assessments. Chicago, IL, 1990.

Convocation Speaker. **Western State College of Colorado**, The Great Lakes: Do you really want the water? Gunnison, CO, January, 1990.

Speaker. **Biennial Meeting of International Joint Commission, Health Effects Session**, Wildlife Toxicology as a tool for public health evaluations. Hamilton, Ontario, October, 1989.

Instructor. **University of Wisconsin, Engineering Extension Department**, Extension course entitled "Understanding the Risks, Regulation and Bioremediation of Halogenated Aromatic Compounds". Madison, May 8-10, 1989.

Speaker. SUNY Great Lakes Program, **Disciplinary Workshop on Toxicology and Environmental Chemistry**, Evaluating Risks to human health associated with exposure to toxic chemicals in the Great Lakes Basin ecosystem., Buffalo, NY, April 15-18, 1989.

Speaker. **Council of Great Lakes Research Managers, International Joint Commission**, Cause and Effect Linkages Workshop, Chicago, IL, March 27, 1989.

Opening Remarks. **International Joint Commission Science Advisory Board Health Committee**, Workshop on research strategies to appraise adverse human health effects from exposure to hazardous substances or agents in the Great Lakes system. Chicago, IL, March 28, 1989.

Speaker. **The Dayton Council on World Affairs/University of Dayton, Center for International Studies**, Conference on Global Environmental Issues: Acid rain: Facts, trends, and conditions. OH, March 15, 1989.

Testified. Before the Committee on Evaluation of the Safety of Fishery Products, **Institute of Medicine, National Academy of Sciences**, Washington, DC, January 1989.

Speaker. A Regional Focus on the Environment and Human Health Workshop, sponsored by the **Midwest Region Public Health Association**, The reproductive health of wildlife in the Great Lakes Basin and the implications for human health. The Great Lakes Basin. Chicago, IL, 1988.

Paper. **IAWPC/WHO/EPA International Conference on Heavy Metals in the Environment**, *Pteronarcys californica* Newport: Mortality and cadmium accumulation at three stations on the Gunnison River. Gunnison County, Colorado New Orleans, LA, 1987.

Speaker. **IAWPC/WHO International Conference on Acid Precipitation: Water Quality Control and Human Health**, The use of the stonefly Pteronarcys californica Newport as a measure of biologically available cadmium in a high altitude river system. Colorado, USA, Uppsala, Sweden, 1985.

Paper. **AAAS Annual Meeting**, The use of the stonefly Pteronarcys californica Newport as a measure of bioavailable cadmium in a high altitude river system. University of Montana, Missoula, 1985.

Paper. **University of Montana, Seminar on Current Environmental Issues**, Aquatic insect biomonitoring for cadmium in high-altitude Rocky Mountain streams. Biology colloquium and latest developments concerning acid rain in the West. Missoula, MT, 1984.

Moderator & Symposium Organizer. **AAAS Annual Meeting**, Dams: Considerations for future water management. New York, NY, 1984.

Invited. **NSF Chautauqua**, Toxic Substances in the Environment. Urbana College, Urbana, IL, 1983.

Invited. **NSF Chautauqua**, Water Pollution. University of Texas, Austin, TX, 1980.

Poster Session. **American Society for Testing and Materials, Fifth Annual Symposium on Aquatic Toxicology**, aquatic insects as measures of trace element presence: Cadmium and molybdenum. Philadelphia, PA, 1980.

Panelist. Debated Congressman Wayne Aspinall, Water: Opportunities, problems and policy issues. Seminar sponsored by the **League of Women Voters and the Denver Technological Center**, Grand Junction, CO, June, 1979.

Producer and Presenter. **Documentary slide-show**. A River: The Price of Development, to Assistant Secretary of the Interior, Guy Martin, Grand Junction, CO, February, 1979.

### **PROFESSIONAL AFFILIATIONS**

Adjunct Graduate Faculty, Wildlife & Fisheries, Texas A&M University (1998-2005).

Adjunct Faculty, George Mason University, Fairfax, VA. (1982-1986).

Adjunct Faculty, Western State College of Colorado, Gunnison, CO, (1979-1982).

Member, Society of Endocrinology (2007- )

Member, Society for Integrative and Comparative Biology (1994-2007).

Member, Society of Environmental Toxicology and Chemistry (1988-2007).

Member, Rocky Mountain Biological Laboratory, Gothic, CO. (1979-2007).

Member, Colorado Field Ornithologists (1964-2007).