

## **Caron Chess**

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### **SELECTED PROFESSIONAL EXPERIENCE**

Professor, Department of Human Ecology, Rutgers University, 2008-

Associated Faculty, Edward J. Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ 2000-

Associate Professor, Department of Human Ecology, Rutgers University, 1998-2008

Director, Center for Environmental Communication (formerly Environmental Communication Research Program), Rutgers University, 1992 - 2003

Member, Environmental and Occupational Health Sciences Institute, 1992-

Associate Member, Department of Human Ecology, 1992-1998

Associate Director, Environmental Communication Research Program, Rutgers University, 1987-1992

Right-to-Know Coordinator, New Jersey Department of Environmental Protection  
Trenton, New Jersey, 1984-1987

National Project Coordinator, Delaware Valley Toxics Coalition, Philadelphia, Pennsylvania, 1982-1984

Founding Executive Director, Delaware Valley Toxics Coalition, Philadelphia, Pennsylvania, 1981-1982

Communications Specialist, Environmental Unit, Public Interest Law Center of Philadelphia, 1980-1981

### **EDUCATION**

Ph.D. State University of New York, College of Environmental Science and Forestry, Environmental Studies and Democratic Processes, 1997  
Dissertation: Risk Communication as an Organizational Adaptation: The Cases of Three Chemical Manufacturers

M.S. University of Michigan, School of Natural Resources, Behavior and Environment, 1979  
Magna cum laude

B.A. State University of New York at Buffalo, English, 1972

Magna cum laude

## **NATIONAL AND INTERNATIONAL SERVICE**

U.S. Army Corps of Engineers Flood Risk Communication Expert Workshop, January 2009

Member, Working Group on Citizen Engagement in Health Emergency Planning, Center for Biosecurity, Baltimore, MD. 2006

Member, Advisory Board, Center for Risk Communication Research, University of Maryland, 2005-2007

Member, Advisory Board, Breast Care Center, Maine Medical, Portland, Me. 2005-

Fulbright Senior Specialist, Fall 2004, Christchurch New Zealand

Member, National Academy of Sciences, Panel on Public Participation in Environmental Assessment and Decision Making, 2003-2006

President, Society for Risk Analysis, 2003

President-elect, Society for Risk Analysis 2002

Member, Review Panel, Decision, Risk and Management Sciences Program, National Science Foundation, 2002

Member, Contaminated Sediments Science Plan Review Committee, U.S. EPA Science Advisory Board, 2002

Member, Planning Meeting, Study of Public Participation in Environmental Assessment and Decision Making, Committee on Human Dimensions of Global Change, 2001

Member, Evaluation Advisory Board, Food Security Coalition, 2001

Member, Nominations committee, Society for Risk Analysis, 2001

Communications Subcommittee, Board of Scientific Counselors, U.S. EPA, Office of Research and Development, 2001

Invited participant, Symposium on Public Participation and Water Reuse, Water Environment Research Council, August 2001

Invited participant, Workshop on Public Participation and Environmental Decision Making, National Research Council, July 2001

Invited participant, Extreme Events Decision Making Workshop, National Science Foundation, April, 2001

Member, Advisory Group, Public Perception and Participation concerning Water Reuse, Resolve and Water Environment Research Foundation, 2000-2001

Member, Academic Advisory Board, Center for Science, Policy, and Outcomes

Member, Study Group on Science and Environmental Decision Making, Keystone Center, July 1999

Member, Linking Public Participation to Environmental Decision Making: An Exploratory Workshop, Council on Environmental Quality, March 1999

Member, Executive Committee, Risk Communication Specialty Group, Society for Risk Analysis, 1998-1999

Member, Advisory Committee to Council of Society for Risk Analysis 1998-

Invited Participant, Workshop on Community Involvement, Massachusetts Institute of Technology, December 1998

Invited Participant, National Cancer Institute Workshop, "Cancer Risk Communication: What We Know and What We Need To Learn," December 1998

Panel Leader, Risk Communication, World Health Organization International Seminar and Working Group Meeting on EMF, Risk Perception and Communication, 1998

Member, Workshop to Evaluate Training Materials on Beryllium, Department of Energy, October 1997

Member, Institute of Medicine committee on National Institutes of Health Priority-Setting, 1998

Member, National Center for Environmental Research and Quality Assurance Subcommittee Review, Board of Scientific Counselors, U.S. EPA, Office of Research and Development, 1997

Chair for risk communication, Panel on Methyl Parathion, Agency for Toxic Substances and Disease Registry, 1997

Member, U. S. Environmental Protection Agency, Science Advisory Board, Subcommittee on Valuation, 1996-1997

Member, Workshop on Stakeholder Involvement, Presidential/Congressional Commission on Risk Assessment and Risk Management, September 1996.

Member, Committee on Risk Characterization, National Research Council, 1994-1996

Member, Governing Council, Society for Risk Analysis, 1994-1996

Member, Awards Committee, Society for Risk Analysis, 1993

Member, Board on Radioactive Waste Management, National Research Council, 1992-1995

Member, Program Committee, Society for Risk Analysis, Annual Meeting, 1989

Member, Advisory Committee, National Workshop on Evaluation and Effective Risk Communication, 1988

### **STATE AND LOCAL SERVICE**

Chair, Montgomery Township Environmental Commission, 2002-2003 (member 2001-2006)

Advisor, New Jersey Department of Agriculture, West Nile Project, May 2001

Consultant, Risk communication, Department of Pesticide Regulation, California EPA, July 2001

Member, NJ Farms Commission Working Group, 1992-1993

Member, Board, New Jersey Environmental Lobby, 1990-1995

Member, Board, Delaware Valley Toxics Coalition, 1982-1997

### **UNIVERSITY SERVICE**

Curriculum Coordinator, Department of Human Ecology 2008-

Co-Chair, Search Committee, Assistant Professor, Environmental Communication, 2004

Member, Search Committee, director, Agriculture Biotechnology Center 2002

Member, Review Committee, Program Enhancement Grant Initiative, 2000, 2001, 2002

Proctor, Rutgers Academic Challenge, 1999, 2000

Participant, Cook Visioning Process, focus group and day-long conference. Spring 2000

Member, Dean's Committee on Deer Management, 1998, 2000

Member, Research Committee, Department of Human Ecology, 1998-

Member, Dean's Committee on Food Safety, 1998

Member, Rutgers University Environmental Science and Engineering Coordinating Council, (ESECC)1994-1995; 1997-1999

Member, ESECC Subcommittee for development of a doctoral program in environmental policy

Member, President's Special Committee on Risk Communication, Rutgers University, 1989

## **EDITORIAL BOARDS**

Member, Editorial Board, *Environmental Communication: A Journal of Nature and Culture*, 2006-

Member, Editorial Board, *Applied Environmental Education and Communication: An International Journal* 2002-

Member, Editorial Board, *Human Ecology Review*, 1999 -

Member, Editorial Board, *Risk Analysis: An International Journal*, 1997-

Member, Editorial Board, *Risk: Issues in Health, Safety, and Environment*, 1991-2000

## **REVIEWS (Selected)**

National Research Council, National Science Foundation, Michigan Sea Grant, U.S. Environmental Protection Agency, American Chemical Society, National Center for Environmental Decision-making Research (Oak Ridge National Labs), Sustainable Forest Management Network (Canada), *American Journal of Public Health*, *Journal of Society and Natural Resources*, *Risk Analysis*, *Environmental Science and Technology*, *Society and Natural Resources*, *Journal of Environmental Management*, *The Milbank Quarterly*, *Urban Ecosystems*, *Journal of the National Cancer Institute*, *Journal of Risk Research*, *Science Communication*, *Human Ecology Review*, *Journal of Health Communication*, *Risk: Health, Safety, and Environment*, *Risk Decision and Policy*.

## **AWARDS**

Fellow, Society for Risk Analysis, 2004

EPA STAR Fellowship 1996-1997

Fellowship, SUNY College of Environmental Science and Forestry, Fall, 1995

Co-authored publications were selected by the Society for Risk Analysis as first and second on risk communication "Must Read" list for industry practitioners, 1995

Environmentalist of the year, Sierra Club, Philadelphia Chapter, 1980

Merit Scholarship, University of Michigan, School of Natural Resources, Behavior and Environment, 1979

## **TEACHING**

Blogging and Podcasting for the Environment Spring 2009 (co taught with Jesse Schibilia, Office of Instructional Technology); Spring 2010

Careers in Environmental Policy, Institutions, and Behavior, Fall 2006, Fall 2007, Fall 2008, Fall 2009, Fall 2010

Knowledge, Conflicts, and Solutions, graduate interdisciplinary class Spring 2006, Spring 2007, Spring 2008 co-developed and taught

Environmental Communication, Spring 2004, Spring 2006, Spring 2007, Fall 2007, Spring 2008; Fall 2009, (developed and taught)

Environmental Communication Clinic Fall 2002, Spring 2003, Fall 2003, Spring 2007, (developed and taught)

Graduate Seminar, Deliberative Processes and Environmental Policy 16:378:502. The class also included undergraduate students through special topics classes--Urban Studies 10:975:499 and Human Ecology 11:374:433, Spring 2000 (developed and taught)

Junior-Senior Colloquium, Public Participation and Environmental Policy, 11:374:433, Spring 1999, Spring 2002, Spring 2003, Spring 2004, Fall 2006 (developed and taught)

Co-taught with Bonnie McCay, Graduate Seminar, Human Dimensions of Environmental Change, 16:378:501, Fall 1998

## **PEER REVIEWED PUBLICATIONS**

Clarke, L. & Chess, C.(2008) Elites and Panic: more to fear than fear itself, *Social Forces* 87 (2), 993-1014.

Burger, J., Shukla, S. Fitzgerald, M., Flores, S., & Chess, C. (2008) Fish consumption: Efficacy among fishermen of a brochure developed for pregnant women *Journal of Risk Research*, 11 (7), 891-904.

Chess, C. & Clarke, L. (2007) Facilitation of risk communication during the anthrax attacks of 2001: The organizational backstory. *American Journal of Public Health*, 97 (9) 1578-1582.

O'Neill, K., Calia, J., Chess, C., & Clarke, L. (2007) Miscommunication during the anthrax attacks: How events reveal organizational failures. *Human Ecology Review*, 14 (2), 119-129.

Chess, C. & Johnson, B.B. (2006). Organizational learning about public participation: "Tiggers" and "Eeyores." *Human Ecology Review*, 13(2), 182-192.

Clarke, C.E. & Chess, C. (2006). False alarms, real challenges—one university's communication response to the 2001 anthrax crisis. *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science*, 4 (1), 74-83.

Johnson, B.B. & Chess, C. (2006). Evaluating public responses to environmental trend indicators. *Science Communication*, 28(1), 1-29.

- Clarke, L., Chess, C., Holmes, R., & O'Neill, K. (2006). Speaking with one voice: risk communication lessons from the US anthrax attacks. *Journal of Contingencies and Crisis Management*, 14(3), 160-169.
- Johnson, B.B., & Chess, C. (2006). From the inside out: environmental agency views about communications with the public. *Risk Analysis*, 26(5), 1395–1407.
- Chess, C., Burger, J., & McDermott, M.H. (2005). Speaking like a state: communication about fish advisories. *Society and Natural Resources*, 18 (3), 267-278.
- Chess, C., Johnson, B.B., & Gibson, G. (2005). Communicating about environmental indicators. *Journal of Risk Research*, 8(1), 63-75.
- Chess, C., O'Neill, K., & Calia, J. (2004). Communication triage: an anthrax case study. *Biosecurity and Bioterrorism: Biodefense Strategy, Practice and Science*, 2(2), 106-112.
- Burger, J., McDermott, M.H., Perez-Lugo, M., Bochenek, E., & Chess, C. (2003). Evaluating risk communication about fish consumption advisories: a brochure versus classroom lesson in Spanish and English. *Risk Analysis*, 23(4), 791-803.
- Johnson, B. & Chess, C. (2003). Communicating worst case scenarios: industrial neighbors' views of accident management. *Risk Analysis*, 23(4), 829-840.
- Johnson, B. & Chess, C. (2003). How reassuring are comparisons to pollution standards and emission limits. *Risk Analysis*, 23(5), 999-1029.
- McDermott, M.H., Chess, C., Perez-Lugo, M., Pflugh, K., Bochenek, E., & Burger, J. (2003). Communicating a complex message to the population most at risk: An outreach strategy for fish consumption advisories. *Applied Environmental Education and Communication: An International Journal*, 2(1), 39-48.
- Santos, S. & Chess, C. (2003). Evaluating citizen advisory boards: The importance of theory and participant based criteria and practical implications. *Risk Analysis*, 23(2), 269-279.
- Chess, C., Johnson, B., Kovacs, D., & Schwar, C. (2002). Using research to inform agency communications: perceptions of drinking water. *Applied Environmental Education and Communication: An International Journal*, 1(4), 221-228.
- Chess, C. (2001). Organizational theory and the stages of risk communication. *Risk Analysis*, 21(1) 179-188.
- Chess, C. & Gibson, G. (2001). Watersheds are not equal: exploring the feasibility of watershed management. *Journal of American Water Resources Association*, 37(4), 775-782.
- Krogmann, U., Gibson, G., & Chess, C. (2001). Land application of sewage sludge: Perceptions of New Jersey vegetable farmers. *Waste Management & Research*, 19, 115-125.
- Chess, C. (2000) Evaluating environmental public participation: Methodological questions. *Journal of Environmental Planning and Management*, 43(6), 769-784.
- Chess, C. (2000). Improving public participation in solving environmental health problems. *Journal of Environmental Health*, 63(1) 24-27.

- Chess, C., Hance, B.J., & Gibson, G. (2000). Adaptive participation in watershed management. *Journal of Soil and Water Conservation*, (Q3), 248-252.
- Lynn, F., Busenberg, G., Cohen, N., & Chess, C. (2000). Chemical industry's community advisory panels: what has been their impact? *Environmental Science and Technology*. 34(10), 1881-1886. Web version: (1999). <http://pubs.acs.org/reprint-request?es9906599/e3Ds>.
- Chess, C. (1999). A model of organizational responsiveness to stakeholders. *Risk: Health, Safety and Environment (Special Issue)*, 10(3), 257-267.
- Chess, C. & Purcell, K. (1999). Public participation and the environment: Do we know what works? *Environmental Science and Technology*, 33(16), 2685-2692.
- Chess, C. (1998). Fearing fear: communication about agricultural biotechnology. *AgBioForum*, 1, 17-21.
- Ochsner, M. & Chess, C. (1996). Pollution prevention's promise, limits and relevance to planners. *Journal of Planning Literature*, 11(1) 5-16.
- Ochsner, M., Chess, C. & Greenberg, M. (1996). Case study: DuPont's Edgemoor facility. *Pollution Prevention Review*, 6(1), 65-74.
- Chess, C., Salomone, K.L., & Hance, B.J. (1995). Improving risk communication in government: Research priorities. *Risk Analysis*, 15(2), 127-135.
- Chess, C., Salomone, K.L., Hance, B.J., & Saville, A. (1995). Results of a national symposium on risk communication: next steps for government agencies. *Risk Analysis* 15(2), 115-125.
- Chess, C., Tamuz, M., & Greenberg, M. (1995). Organizational learning about environmental risk communication: The case of Rohm and Haas' Bristol Plant. *Society and Natural Resources*, 8(1), 57-66.
- Hallman, W., Weinstein, N., Kadakia, S. & Chess, C. (1995). Precautions taken against Lyme disease at three recreational parks in endemic areas of New Jersey. *Environment and Behavior*, 27(4), 437-453.
- Ochsner, M., Chess, C., & Greenberg, M. (1995). Pollution prevention at the 3M Corporation: Case study insights into organizational incentives, resources, and strategies. *Waste Management*, 15(8), 663-672.
- Lynn, F. & Chess, C. (1994). Community advisory panels within the chemical industry: antecedents and issues. *Business Strategy and the Environment*, 3(2), 92-99.
- Wartenberg, D. & Chess, C. (1993). The risk wars: assessing risk assessment. *New Solutions*, 3(2), 16-25.
- Chess, C. & Salomone, K. L. (1992). Rhetoric and reality: risk communication in government agencies. *The Journal of Environmental Education*, 24(2) 28-33.
- Chess, C., Saville, A., Tamuz, M., & Greenberg, M. (1992). The organizational links between risk communication and risk management: the case of Sybron Chemicals Inc. *Risk Analysis*, 12(3), 431-437.



Chess, C., Tamuz, M., Saville, A., & Greenberg, M. (1992). Reducing uncertainty and increasing credibility: the case of Sybron Chemicals, Inc. *Industrial Crisis Quarterly*, 6(1), 55-70.

Greenberg, M. & Chess, C. (1992). Communicating environmental risk through the mass media. *The Public Manager, The New Bureaucrat*, 21(3), 45-48.

Chess, C., Salomone, K. L., & Sandman, P. M. (1991). Risk communication activities of state health agencies. *American Journal of Public Health*, 81(4), 489-491.

Chess, C. & Hance, B. J. (1989). Opening doors: making risk communication agency reality. *Environment*, 13(5) 10-5, 38-39.

Hance, B. J., Chess, C., & Sandman, P. M. (1989). Setting a context for explaining risk. *Risk Analysis*, 9(2), 113-117.

## **BOOKS**

Hance, B. J., Chess, C., & Sandman, P. M. (1990). *Improving Dialogue: The Industry Risk Communication Manual*, Chelsea, MI: Lewis. (Listed as number two on the Society for Risk Analysis' list of "Must Read" publications for industry practitioners)

Hance, B.J., Chess, C. & Sandman, P.M. (1988). *Improving Dialogue with Communities: A Risk Communication Manual for Government*, Trenton: New Jersey Department of Environmental Protection.

## **INVITED CHAPTERS AND ARTICLES**

Chess, C. and B. Johnson (2009). Risk communication and Organizations. In ed. Heath, R. *Handbook of risk and crisis communication*. Mahwah, NJ: Lawrence Erlbaum Associates.

Chess, C & Johnson, B. (2007). Information is not enough. In S. Moser, & L. Dillon (Eds.), *Creating a climate for change: Communicating climate change and facilitating social change* (223-237). New York and Oxford, UK: Oxford University Press

Chess, C. (2003). Managing risk communication: Risk communication from the inside out. *Sharing the future: Risk communication in practice*, (51-21). Christchurch, NZ: Center for Advanced Engineering.

Chess, C. (1997). Risk communication: building credibility. In H. Bendixen, F. Manning, & L. Sparacino (Eds.) *Blood and blood products: Safety and risk* (pp.117-125). Washington D.C.: National Academy Press.

Chess, C., & Lynn, F. (1996). Industry relationships with communities: Business as usual? In K. Fischer et al. (Eds.), *The greening of industry network: Resource guide and annotated bibliography* (pp. 87-110). Washington, D.C.: Island Press.

Hance, B. J., Chess, C., & Sandman, P. M. (1989). Improving dialogue with communities: A risk communication manual for government. In V. T. Covello, D.B. McCallum & M.T. Pavlova (Eds.), *Effective risk communication* (pp. 297-357). New York: Plenum.

Chess, C. (1989). Encouraging Effective Risk Communication: Suggestions for Agency Management. In V.T. Covello, D.B. McCallum, & M.T. Pavlova (Eds.), *Effective Risk Communication* (pp. 191-295). New York: Plenum.

Chess, C. (1987). Considering the Public's Perception of Risk in the Development of a Radon Communications Program--Recommendations of a Symposium to the New Jersey Department of Environmental Protection. In W. Makofske, & M. Edelstein (Eds.), *Radon and the Environment* (pp. 233-240). Mahwah, NJ: Institute for Environmental Studies, Ramapo College of New Jersey.

Garie, H., Chess, C., & Stevenson, E. (1986). Overview of the Implementation of a Statewide Worker and Community Right-to-Know Act. In J. E. Brower (Ed.) *Hazard Communication: Issues and Implementation*, ASTM Special Technical Publication 932. Philadelphia, PA.

### **NON-PEER REVIEWED ARTICLES (Selected)**

Chess, C. and Gibson, G. Reply to Discussion (2002) "Watersheds Are Not Equal: Exploring the Feasibility of Watershed Management," *Journal of American Water Resources Association*, 37(4), 1155.

Chess, C. & Calia, J. (2002). Communicating about bioterrorism [Letter to the editor]. *Risk Analysis*, 22(6), 1039-1040.

Chess, C. (2001, October 30). Honesty as anthrax medicine [Letter to the editor]. *The New York Times*, p. F3.

Wartenberg, D. & Chess, C. (1992). Risky business: The inexact art of hazard assessment. *The Sciences*, March/April, pp. 17-21.

Chess, C. (1991) Opening factory gates measure worth taking [op-ed]. *The Star-Ledger*, 3, pp.4. Newark.

Chess, C. & Sandman, P. M. (1989). Community use of quantitative risk assessment. *Science for the People*, January/February, pp. 20.

Chess, C. (1988, May 1) Working with the right to know [op-ed]. *The New York Times*.

Chess, C. (1981). Philadelphia citizens win right-to-know. *The Congress Watcher*, March/April, pp.16.

Chess, C. (1981, January 28-February 3). Communities don't wait for Washington to act on hazards. *In These Times*.

### **OTHER PUBLICATIONS**

Schwarz, A. & Chess, C. (2003). *Risk communication about pesticides*. California Department of Public Regulation.

Deer in New Jersey (2002) <http://deer.rutgers.edu>

McDermott, M., Chess, C., Perez-Lugo, M., Bochenek, E., Ensle, K. & Burger, J. (2002). *Your*

*baby eats the fish you eat*. New Jersey Department of Environmental Protection, Teachers' Guide. (accompanied by a brochure, and both are translated into Spanish)

Schwarz, A., Flynn, T., Santos, S., & Chess, C. (2001). *Operational risk communication and risk management course*. Navy Environmental Health Center, Department of the Navy.

Chess, C. & Gibson, G., (2000). *The Navesink watershed management effort*. Environmental Innovations, Governance in Watersheds, National Academy of Public Administration. [www.napawash.org/napa/epafile09.pdf](http://www.napawash.org/napa/epafile09.pdf).

Gibson, G., Chess, C. & Johnson, B., (2000). *Communicating environmental indicators: results of exploratory research*. New Brunswick, NJ: Center for Environmental Communication.

Kovacs, D, Gibson, G., Chess, C., & Hallman, W., (1998). *Outreach materials about risk management plans: guidance from pilot research*. New Brunswick, NJ: Center for Environmental Communication.

Hance, B.J. & Chess, C. (1996). *Planning successful risk communication: a training module with videotape*. New Brunswick, NJ: Center for Environmental Communication.

Cohen, N., Chess, C., Lynn, F. & Busenberg, G., (1995). *Improving dialogue: a case study of the community advisory panel of Shell Oil Company's Martinez manufacturing complex*. New Brunswick, NJ: Center for Environmental Communication.

Cohen, N., Chess, C., Lynn, F. & Busenberg, G. (1995). *Fostering environmental progress: A case study of Vulcan Chemical's community involvement group*. New Brunswick, NJ: Center for Environmental Communication.

Chess, C. & Hance, B. J. (1994). *Communicating with the public: Ten questions environmental managers should ask*. New Brunswick, NJ: Center for Environmental Communication. [Selected as number one publication on risk communication for industry practitioners by the Society for Risk Analysis.]

Chess, C., Wartenberg, D., Newman, J. & Hallman, W. (1994). *Communicating effectively about electromagnetic fields: impacts on knowledge and trust - summary of EMF questions asked of DEPE staff*. New Brunswick, NJ: Center for Environmental Communication.

Hallman, W., Chess, C., & Wartenberg, D. (1994). *Electric and magnetic fields: activists' views on the accessibility of information, prudent avoidance, and the role of government*. New Brunswick, NJ: Center for Environmental Communication.

Lowrie, K., Greenberg, M., Hordon, R., & Chess, C. (1994). *Selecting businesses to pilot ground water pollution prevention innovations. (Report 5)*. New Brunswick, NJ: Ground Water Management Assistance Center.

Greenberg, M., Hordon, R., Sanchez, J., & Chess, C. (1993). *Communication with the ground water management assistance center. (Report 3)*. New Brunswick, NJ: Ground Water Management Assistance Center.

Sanchez, J., Lowrie, K., Greenberg, M., Hordon, R., & Chess, C., (1994). *Municipal attention to ground water protection: A selection of New Jersey municipalities. (Report 4)*. New Brunswick, NJ: Ground Water Management Assistance Center.

- Greenberg, M., Hordon, R., Sanchez, J., & Chess, C. (1993). Communication with the ground water management assistance center. (Report 3). New Brunswick, NJ: Ground Water Management Assistance Center.
- Sanchez, J., Greenberg, M., Hordon, R., & Chess, C. (1993). *Municipal needs for ground water protection: A survey of New Jersey municipalities. (Report 2)*. New Brunswick, NJ: Ground Water Management Assistance Center.
- Sanchez, J., Greenberg, M., Hordon, R., & Chess, C. (1993). *Self-interest and voluntary protection of ground water: local government responses to initial federal and state initiatives in New Jersey. (Report 1)*. New Brunswick, NJ: Ground Water Management Assistance Center.
- Chess, C., (1992). Attacking a problem with the facts. *EPA Journal*, 18(2), 46-48.
- Chess, C. (1992). *How to plan for communication with the public: Development of a seminar for environmental managers*. New Brunswick, NJ: Environmental Communication Research Program.
- Chess, C., Sandman, P. M., & Greenberg, M. (1990). *Empowering agencies to communicate about environmental risk: suggestions for overcoming organizational barriers*. New Brunswick, NJ: Environmental Communication Research Program.
- Chess, C., Salomone, K. L., Greenberg, M. & Saville, A. (1990). *Impact of a European hazardous waste study tour on participants' viewpoints*. New Brunswick, NJ: Environmental Communication Research Program.
- Sandman, P. M., Salomone, K. L., & Chess, C. (1990). *What does the public need to know about environmental risk and how should the public be told*. New Brunswick, NJ: Environmental Communication Research Program.
- Chess, C., Hance, B. J., & Sandman, P. M. (1989). *Planning dialogue with communities: a risk communication workbook*. New Brunswick, NJ: Environmental Communication Research Program.
- Kline, M., Chess, C., & Sandman, P. M. (1989). *Evaluating risk communication programs: A catalogue of 'quick and easy' feedback methods*. New Brunswick, NJ: Environmental Communication Research Program.
- Chess, C., Salomone, K. L., Sandman, P. M., & Hance, B. J. (1989). *Development of risk communication training for state health departments: Recommendations and options*. Association of State and Territorial Health Officials. McLean, VA.
- Chess, C., Hance, B. J., & Sandman, P. M. (1988). *Improving dialogue with communities: A short guide for government risk communication*. Division of Science, Research and Technology. New Jersey Department of Environmental Protection. [Agencies in France, Poland, Sweden and Japan have asked permission to translate.]
- Chess, C. & Hance, B. J. (1988). *Alerting the apathetic and reassuring the alarmed: communicating about radon risk in three communities*. Office of Policy, Planning, and Evaluation, U. S. Environmental Protection Agency.
- Chess, C. (1987). *Encouraging effective risk communication: Suggestions for agency management*. New Brunswick, NJ: Environmental Communication Research Program.
- Hance, B. J., Chess, C., & Sandman, P. M. (1989). *Improving dialogue with communities: A risk*

communication manual for government. In V. T. Covello, D.B. McCallum & M.T. Pavlova (Eds.), *Effective risk communication* (pp. 297-357). New York: Plenum.

Chess, C. (1987). Considering the Public's Perception of Risk in the Development of a Radon Communications Program--Recommendations of a Symposium to the New Jersey Department of Environmental Protection. In W. Makofske, & M. Edelstein (Eds.), *Radon and the Environment* (pp. 233-240). Mahwah, NJ: Institute for Environmental Studies, Ramapo College of New Jersey.

Chess, C. (1987). *Comments in response to EPA's proposed rules concerning hazardous chemical reporting for emergency response planning and community right-to-know programs*. Division of Environmental Quality. New Jersey Department of Environmental Protection.

Garie, H., Chess, C., & Stevenson, E. (1986). Overview of the Implementation of a Statewide Worker and Community Right-to-Know Act. In J. E. Brower (Ed.) *Hazard Communication: Issues and Implementation*, ASTM Special Technical Publication 932. Philadelphia, PA.

Chess, C. (1986). *Program plan for the risk communication unit of the office of environmental health assessment*. Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Chess, C. (1985). *Developing an effective right-to-know program*. Division of Science and Research, New Jersey Department of Environmental Protection.

Chess, C. (1983). Community Right-to-Know. In Jeffrey Tryens (Ed.), *The Toxics Crisis: What States Should Do, Conference on Alternative State and Local Policies* (pp. 35-40). Washington D.C.

Chess, C. (1983). *Winning the right-to-know: A handbook for toxics activists*. Conference on Alternative State and Local Policies, Washington D.C. (Second Edition, 1984).

Chess, C. 1981. *Gypsy Moths and Bt* [brochure]. Delaware Valley Toxics Coalition.

Stapp, W., et. al. (1980). *The Sea Lamprey* [curriculum]. Michigan Sea Grant, Ann Arbor, MI.

Chess, C. (1977). *Trail of Changing Landscapes* [self-guided brochure]. Muddy Run Park, Holtwood, PA.

## **FUNDING**

Enabling School of Environmental and Biological Sciences Students to Become Better Learners," Rebecca Jordan, Andrew Pleasant, and Caron Chess \$41,000

Chess, Caron Using Digital Media to Enhance Student Learning about Environmental Communication, School of Environmental and Biological Sciences, \$9,891 2008-

Schoch-Spana, M., Ann Norwood, and Chess, C., "*Community Inspired Victories in Catastrophic Situations*" for Practitioners, Decision Makers, and Researchers, Department of Homeland Security via Consortium for the Study of Terrorism and Anti-terrorism, \$89,000 2008-

Chess, C., "Organizational Communication of Risk," National Consortium for the Study of Terrorism and Response to Terrorism, U.S. Department of Homeland Security Center of Excellence, \$24,414 (2005-2008).

Tuler, S. Webler, T Santos, S and Chess, C., "Three Evaluative Tools To Empower Local Communities In Clean Up Of Sediment Contaminated Sites: A Comparative Analysis," U.S. EPA, \$461,961 (10/03-3/07).

Hallman, W., Turvey, Chess, C. and Wartenberg, D., "Food Biosecurity: Modeling the Health, Economic, Social, And Psychological Consequences Of Intentional And Unintentional Food Contamination," United States Department of Agriculture (USDA), \$2,000,000 (9/05-8/08).

Chess, C., O'Neill, K. and Clarke, L., "Risk Communication and Organizational Uncertainty," National Science Foundation, \$87,000 (10/03-10/04)

Schwarz, A. and Chess, C., "Development of A Risk Communication Training And Materials," California Department Of Pesticide Regulations, \$45,000 (6/03-6/04)

Guarnaccia, P., Weinstein, N., Chess, C., "Risk Communication about Cancer Clusters," University of Medicine and Dentistry of New Jersey, \$105,600 (5/03-6/04)

Chess, C., S. Flores, "Outreach to At-Risk Women about Contaminated Fish in the Newark Bay," New Jersey Department of Environmental Protection Local Liaison Grant with Hackensack Riverkeeper, \$9,830 (9/02-12/02).

Chess, C., and M. McDermott, M. Perez-Lugo, E. Bochenek, K. Ensle and J. Burger, "Health Risks from Eating Contaminated Fish and Crabs: Research and Outreach to Latinas of Childbearing Age in Elizabeth, NJ" NJ Agricultural Experiment Station, \$9,500 (7/02 to 6/03).

McDermott, M., "Community Outreach to At-Risk Urban Residents and Anglers in the Arthur Kill Section of the Newark Bay Complex," Union County Division of Environmental Health, \$6,500 (2/02-3/02).

O'Neill, K. and Chess, C. "Watershed Management in New Jersey," NJ Council of Watershed Assoc., \$20,000 (1/02-6/02).

Drake, D., Chess, Derr, Goldfarb, Hartley, Maas and Vodak, "Human Dimensions of Deer Management in New Jersey," NJAES Program Enhancement Grants Initiative Award, \$238,300 11/00-6/05,

Chess, C., Kleckner, D., and Johnson, B., "Communicating Effectively About SWAP," New Jersey Department of Environmental Protection, \$71,313 (8/1/00-7/31/01)

Schwarz, A., Santos, S., Flynn, T. and Chess, C., "Development of risk communication training course and materials," US Navy, \$140,000 (9/00-8/01)

Chess, C., Santos, S., Bradbury, J., and Branch, K., "Planning for Evaluation of Restoration Advisory Boards," CHPPM, Army, \$20,000 (1/19/00-2/19/00).

Chess, C. and Bochenek, E., "Development of Sociodemographic Factors of Response to Risk Information," New Jersey Department of Environmental Protection, \$37,500 (9/99-9/00).

Chess, C., and Milby, S., "Building World-wide Web Infrastructure for Regional Food Systems Education and Outreach," Mid-Atlantic Consortium/W.K. Kellogg Foundation, \$50,634 (3/99-3/01).

Chess, C., and Gibson, G. "Watershed Innovations: Learning From Case Studies," National Academy of Public Administration, \$35,000 (2/1/99-11/30/99).

Gibson, G., and Chess, C., "Stakeholder Involvement in Raritan Basin Watershed Management," New Jersey Water Supply Authority, \$28,769 (2/99-12/00).

Chess, C. and Johnson, B., "Improving Industry Risk Communication by Testing Messages of Risk Uncertainty," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$91,568 (7/1/98-6/30/00).

Chess, C., and Milby, S., "Promoting Sustainable Agriculture Through Collaboration," Mid-Atlantic Consortium/W.F. Kellogg Foundation, \$5,000 (11/98-3/99).

Chess, C. and Johnson, B., "Understanding Perceptions of Drinking Water Quality: A Mental Models Approach," Division of Science, Research and Technology, New Jersey Department of Environmental Protection, \$93,363 (11/97-10/00).

Gibson, G., and Chess, C., "Indicators of Environmental Quality: Exploring Effective Communication," New Jersey Department of Environmental Protection, \$112,447 (11/97-12/00).

Chess, C. and Hance, B.J., "A Literature Review: Implementing a Model for Successful Watershed Management in New Jersey," New Jersey Department of Environmental Protection, \$37,021 (4/97-12/00).

Johnson, B. and Chess, C. "Improving Environmental Communication: Risk Comparisons and Obstacles to Good Practice," Division of Science, Research and Technology, New Jersey Department of Environmental Protection, \$15,999 (7/97-4/01). With \$2,500 supplemental funding from NESCAUM.

Chess, C., "Collaborative Watershed Planning: A Workbook for Stakeholder Involvement," New Jersey Department of Environmental Protection, \$21,400 (7/97-12/99).

Chess, C. and Hance, B.J., "Creating a State-of-the Art Industry Risk Communication Manual: Updating Improving Dialogue with Communities," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$43,000 (7/97-6/98).

Hance, B.J., and Chess, C., "Communicating and Outreach for Sustainable Agriculture: A Video Training Program for Extension," The Northeast Region Sustainable Agriculture Research and Education Program (SARE), \$49,998 (9/96-1/98).

Chess, C. Cohen, N., and Hance, B.J., "Successfully Communicating Worst-Case Scenarios: Strategies for Industry," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$99,039 (7/96-6/98).

Hance, B.J., and Chess, C., "Maywood Project," Bechtel National, Inc., \$75,826 (7/96-9/98).

Chess, C. and Hance, B.J., "Planning Risk Communication: A Videotaped Training Module and Brochure for Industry," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$11,960 (7/96-6/97).

Cohen, N. and Chess, C., "Environmental Risk Information for Legislative Staff," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$110,000 (7/94-6/96).

Greenberg, M., and Chess, C., "Liability Education for Preventing Ground Water Pollution," New Jersey Department of Environmental Protection, \$69,559, (1/94-12/94).

Chess, C. and Hallman, W., "Communicating Effectively About Electromagnetic Frequencies: Impacts on Knowledge and Trust," U.S. Environmental Protection Agency, \$80,000 (9/93-8/96).

Chess, C. and Lynn, F., "Making Citizen Advisory Committees Effective," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$69,860 (7/93-6/95).

Chess, C. and Hance, B.J., "Promoting Risk Communication Success: Development of a Training Module with Videotape," Northeast Hazardous Substance Research Center, New Jersey Institute of Technology, \$45,000 (7/93-6/94).

Chess, C. and Salomone, K.L., "Defining Practitioners' Risk Communication Needs," Environmental Protection Agency, \$269,406 (9/92-12/96). With additional support from: National Science Foundation, \$10,000, National Cancer Institute, \$25,000, and U.S. Department of Energy, \$25,000.

Chess, C., "How to Communicate about Environmental Health Risks: Training and Support." Oak Ridge Associated Universities, Oak Ridge, TN, \$19,363 (9/92-9/95).

Greenberg, M., Hordon, R., and Chess, C., "Ground Water Management Assistance Center," New Jersey Department of Environmental Protection, \$125,000 (7/92-6/94).

Chess, C. and Greenberg, M., "Linking Corporate Pollution Prevention, Risk Communication and Organizational Factors," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$196,975 (7/92-6/95).

Hallman, W., Weinstein, N., and Chess, C., "Lyme Disease: Laying a Groundwork for Educational Interventions," New Jersey State Department of Health, \$81,841 (11/91-7/94).

Chess, C. and Greenberg, M., "Investigation of the Links Between Organizational Dynamics and Corporate Risk Communication," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$192,392 (1/90-6/93).

Chess, C. and Greenberg, M., "Managing Risk Communication: Seminars and Guidance for Agency Managers," Northeast Hazardous Substance Research Center, New Jersey Institute of Technology, \$50,001 (1/91-1/92).



Sandman, P. M. and Chess, C., "National Risk Communication Training," Association of State and Territorial Health Officials, \$57,893 (8/89-8/90).

Chess, C., Sandman, P. M., and Greenberg, M., "Buffers or Amplifiers: Organizational Factors in the Use of Risk Communication," Northeast Hazardous Substance Research Center, New Jersey Institute of Technology, \$31,500 (2/89-2/90).

Chess, C., "European Incinerator Tour Evaluation," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$17,863 (2/89-12/89).

Chess, C. and Sandman, P. M., "Needs Assessment for a National Risk Communication Training Program," Association of State and Territorial Health Officials, \$12,700 (9/88-3/90).

Hance, B.J., Chess, C., and Sandman, P.M., "Improving Dialogue with Communities: A Risk Communication Manual for Industry," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$43,845 (9/88-9/89).

Chess, C. and Sandman, P.M., "Making Technical Assistance Grants Work," New Jersey Department of Environmental Protection, \$47,300 (7/88-1/90).

Sandman, P. M. and Chess, C., "Explaining Risk Probabilities to the Public: An Empirical Assessment," New Jersey Department of Environmental Protection, \$51,350 (6/87-6/90).

Chess, C., Hance, B. J. and Sandman, P.M., "Development of a Model to Assist NJDEP to Design Communication Strategies and Materials," New Jersey Department of Environmental Protection, \$39,925 (6/87-6/89).

Chess, C. and Sandman, P.M., "Assessment of Methodologies to Evaluate NJDEP Communication Efforts," New Jersey Department of Environmental Protection, \$34,625 (6/87-11/88).

Sandman, P. and Chess, C., "Risk Communication-Radon," U.S. Environmental Protection Agency, \$26,625, (6/87-11/88).

Sandman, P. and Chess, C., "Media and the Environment," Hazardous Substance Management Research Center, New Jersey Institute of Technology, \$26,650, (4/87-12/87).

Chess, C. and Sandman, P.M., "Public Participation Program for Revision of New Jersey Groundwater Quality Standards," New Jersey Department of Environmental Protection, \$50,000 (12/86-1/91).

Sandman, P. and Chess, C., "Improving Dialogue with Communities: A Risk Communication Manual for Government," New Jersey Department of Environmental Protection, \$49,700 (3/86-12/87).

## **INVITED PRESENTATIONS**

Clark, L. and Chess C. "Elite Panic" and Chess, C. and Clarke, L. "Networks for Risk communication Briefing Assistant US Secretary of Defense for Homeland Security Paul Stockton, January 11, 2010

"Implications of the NAS Report on Public Participation and Environmental Decision Making,' Institute of Medicine, Roundtable on Environmental Health Sciences, Research and Medicine November 14, 2008

"Planning risk communication," "Information is not enough"

Hallman, William K., Chess, Caron, Cuite, Cara L., Nucci, Mary L., Pleasant, Andrew "Looking Back, Looking Forward: Lessons Learned from a Multi-Disciplinary Examination of the 2006 Spinach Recall." Part of "Examining the 2006 Spinach Crisis from Multiple Perspectives," Presented to U.S. Food and Drug Administration, Center for Food Safety and Nutrition, College Park, MD. March 10, 2008

Hallman, William K., Chess, Caron, Cuite, Cara L., Nucci, Mary L., Pleasant, Andrew Hallman, W.K. "Looking Back, Looking Forward: Lessons Learned from a Multi-Disciplinary Examination of the 2006 Spinach Recall." Part of "Examining the 2006 Spinach Crisis from Multiple Perspectives," Presented to U.S. Department of Agriculture, Cooperative State Research, Education, and Extension Service, Washington, DC. March 10, 2008.

"Organizations and Risk Communication," Workshop on Risk Communication and Public Warnings," U.S. Department of Homeland Security, Cambridge, MD. July, 2007.

"Information Is Not Enough," 2007 Planetary Defense Conference, Washington, DC, March, 2007.

"Environmental Justice: Digging Beyond the Rhetoric," Society of Public Health Education, Annual Meeting, November, 2007.

"Communicating from the Organizational Twilight Zone," Center for Risk Communication Research University of Maryland, April 22, 2005.

"Communicating from the Organizational Twilight Zone," University of Southern Maine, Portland, Maine, March, 2005.

"Risk communication: Building from Within," New Zealand Society of Risk Management, Wellington, NZ. November, 2004.

"Participation and Science," Ministry of Research, Science, and Technology, Wellington, New Zealand, November 2004.

"Communicating Risk to the Public: Avoiding the Pitfalls," seminar series, University of Canterbury, Christchurch, New Zealand, October 29, 2004

"Mass Media And Risk Communication, " Department of Journalism, University of Canterbury, Christchurch, New Zealand, October 20, 2004.

“Why Risk Communication,” Ministry for Agriculture and Forestry, Wellington, New Zealand, October 14, 2004.

“Risk Communication and Public Participation,” Environmental Resource Management Agency, Wellington, New Zealand, October 13, 2004.

Risk Communication,” Department Of Civil Engineering, University Of Canterbury, Christchurch, New Zealand, October, 11, 2005.

“Risk Communication And Decontamination,” Standards And Policies For Decontaminating Public Facilities Affected By Exposure To Harmful Biological Agents: How Clean Is Safe?, National Academy Of Sciences, Washington, D.C. March 29, 2004.

Communicating about Anthrax: New Jersey, 2001, Environmental Occupational Health Sciences Institute, Piscataway, NJ, February, 20.

“President’s Remarks: Next steps SRA,” Annual Conference Society for Risk Analysis, Baltimore, MD. December 10, 2003.

“Communication about anthrax in New Jersey: Lessons for Bioterrorism Preparedness,” Institute for Food Technologists’ Eastern Food Science Conference, Philadelphia, Pa., October 26, 2003.

BioSecurity 2003, “Communicating About Terrorism: Preliminary Lessons From New Jersey,” member of panel, Public Communications in an Age of Fear: Evidence from Social Science.” Washington October 22, 2003.

“A Vision For Environmental And Sustainability Communication,” Institut für Umweltkommunikation (INFU)(Institute for Environmental and Sustainability Communication) Universität Lüneburg, Lüneburg, GA, September 26, 2003.

“Communicating Risk: Overcoming the Challenges,” National Workshop on Natural Hazards, University of Colorado, Boulder, CO, July 15, 2003

Communicating about Bioterrorism: Preliminary Lessons from New Jersey,” UCLA Conference on Public Health and Disasters, Los Angeles, CA., May 19, 2003

“Communicating about Anthrax: Messages and Organizations,” Drexel University, Philadelphia. PA, April 18, 2003

“Effective Risk Communication: Avoiding The Pitfalls,” New Jersey Environmental Health Association, November, 2002

“Practical Risk Communication” State owned coal company, Solid Energy, Christchurch, New Zealand, October 1, 2002

“Managing Risk Communication,” (keynote) Inaugural Conference of the New Zealand Society of Risk Management, Wellington, New Zealand October 3, 2002

“Evaluating Public Participation,” (keynote speaker) TOSC-TAB Conference on Collaboration and Co-Learning, Portland, OR, January 28, 2002.

Panelist (electronic), EPA Dialogue on Public Participation, EPA Office of Community Relations, July 2001

“Environmental Public Participation: Do We Know What Works?” Muskie School of Public Service, University of Southern Maine, Portland, Maine, March 2001.

“Evaluating Public Participation: Feedback for Mid-Course Corrections” seminar series Science and the Human Side of Environmental Protection, Scientific Advisory Board, Environmental Protection Agency, Washington, DC, February 22, 2001

“Symposium: Developing Policy Statement for SRA” (facilitator) Annual Meeting, Society for Risk Analysis, Arlington, VA, December, 2000.

“Evaluating Participatory Risk Communication,” International Symposium on Health Risk Communication: Uncertainty, Stakeholders, and Public Health Action, Department of Health and Human Services, Bethesda, Md, November, 2, 2000.

“Governance in Watersheds” (commentator) Conference on Innovations in Environmental Protection, National Academy of Public Administration, Washington, DC, June 2000.

“Improving Industry Risk Communication by Testing Messages of Risk Uncertainty,” Hazardous Substance Management Research Center, Newark, NJ, May, 2000.

“Risk Communication,” “Communicating Science: Taking the Risk,” Agricultural Communicators in Education and the Cooperative State Research, Education and Extension Service, USDA, Orlando, May 2000.

“TRI in the United States” (keynote address) Japanese PRTR Law, Japanese Chemical Industry Council, Tokyo, January 2000.

“Risk Communication in the United States,” (keynote address) Risk Communication in the United States, Japanese Chemical Society [academic], Tokyo, January 2000.

“United States Experience with Risk Communication: Relevance to Japan?” Research Committee on Risk Communication, Japanese Chemical Society (academic), Tokyo, Japan, January, 2000.

“TRI and NGOs in the United States,” Valdez Society, Tokyo, Japan, January, 2000.

Symposium (facilitator) “Analysis and Deliberation,” Society for Risk Analysis, Atlanta, December, 1999.

“Analytic and Deliberative Processes in Risk Characterization” Third Valamo Conference on Environmental Health and Risk Assessment, Finnish National Health Institute and University of Kuopio, Valamo, Finland, September, 1999.

Chess, Caron and Gibson, Ginger “Model of Feasibility of Watershed Management” National

Academy of Public Administration, September, 1999.

“Risk Communication: Public Participation in Environmental Questions,” Pre-Valamo seminar: Risk, Science, and Society, Finnish National Health Institute and University of Kuopio, Kuopio, Finland, September, 1999.

Organizational Responsibilities to Risk Stakeholders, Environment and Society Institute, Buffalo, NY, July, 1999.

“Improving Public Participation,” Environment and Society Institute, University of Buffalo, June, 1999.

“Public Participation: What do we know?” Workshop on Public Participation, National Research Council, Washington, D.C., May 1999

“Public Participation: Guiding Practice With Research,” World Health Organization, International Seminar and Working Group Meeting on EMF, Risk Perception and Research, Ottawa, Canada, September, 1998.

“Innovations in Public Participation,” Symposium on Voluntary Siting Initiatives for Low-level Radioactive Waste Disposal, Department of Energy, Philadelphia, PA. March, 1998.

“The Role of Deliberation in Risk Characterization: A Summary of the NRC Report,” Eco-Chair Seminar Series, Department of Public Health Sciences, University of Alberta, Edmonton, Canada, February, 1997.

“Community Advisory Panels: What Does the Research Say?” Annual Retreat, Public Affairs Department, Rohm and Haas, Philadelphia, PA, February, 1997.

“The National Academy of Sciences Report on Risk Characterization,” (plenary session) Society for Risk Analysis, Annual Meeting, New Orleans, LA, December, 1996.

“Organizational Factors in Risk Communication,” (in risk communication workshop of Susan Santos), Society for Risk Analysis, Annual Meeting, New Orleans, LA, December, 1996.

“Risk Communication and Public Health,” Annual Meeting, Association of State and Territorial Health Officials, Baltimore, September, 1996.

“Public Participation: Current Research,” National Academy of Sciences Committee on Stockpiling of Chemical Weapons, Newport Beach, CA, June, 1996.

“The Public: What Do We Know?” Annual Meeting, National Agriculture Biotechnology Council, New Brunswick, NJ, June, 1996.

“Reducing Environmental Conflict: Organizational Factors,” Colloquium Series, Center for Conflict Resolution, Maxwell School, Syracuse University, Syracuse, NY, February, 1996.

“Communicating Environmental Policy,” Risk Communication Workshop, National Governors Association, Boston, MA, August, 1995.

"Risk Communication and Odor Assessment," Office of Continuing Education/Cook, Rutgers University, New Brunswick, NJ, July 1995.

"Collaborating on Risk," Congressional Briefing, Society for Risk Analysis, Washington, D.C., April, 1995.

"Risk Communication and Blood Safety" Workshop on Blood Safety and Blood Availability, Institute of Medicine, Washington, D.C., January 1995.

"Risk Communication and Biotechnology," CTY John Hopkins University [program for high school students] Rutgers University, New Brunswick, NJ, November, 1994.

"Risk Communication and Electromagnetic Energy," EMF Seminar, Eastern Regional Radon Training Center, Rutgers University, New Brunswick, NJ, October, 1994.

"Risk Communication: Rhetoric and Reality," Director's Colloquium, Los Alamos Laboratory, Los Alamos, NM, August, 1994.

"Communicating about EMF," EMF Seminar, Electric Council of New England, Boxborough, MA., April, 1994.

"Risk Communication and the Press," Risk communication: Myths, realities, and media, National Association for County Health Officials, March, 1994.

"Environmental Education: Skills Development or PR?" (keynote) Alliance for NJ Environmental Education, Annual Conference, Lyndhurst, NJ, January, 1994.

"Integrating Democracy and Science in Environmental Decision-making: What Can Comparative Risk Offer?" (moderator) NJ Department of Environmental Protection and Energy, Symposium on Environmental Priority Setting and Comparative Risk, October, 1993.

"Building Credibility from the Inside: The Organization of Risk Communication," (national video conference) U.S. Department of Energy and University of New Mexico, Risk Characterization, Albuquerque, NM, September, 1993.

"Risk Communication," Summer Institute in Risk Management, New York University, New York, NY, June, 1993.

"Building Trust with Communities: Case Studies in Risk Communication," Texas Chemical Council, 1993 Safety Seminar, Galveston, TX, June, 1993.

"Communication with Your Community," NJ Low-level Radioactive Waste Siting Board, NJ Annual Generators' Meeting, Rutgers University, New Brunswick, NJ, May, 1993.

"Communicating about Environmental Health," (keynote), Pennsylvania State Organization of Public Health Educators, Annual Conference, Harrisburg, PA, May, 1993.

"Risk Communication: A Necessary Skill for Working with Communities," National Association of County Health Officials, Annual Meeting, Idaho Public Health Association, Lewiston, ID, April, 1993.

"Improving Dialogue with Communities," National Low-Level Radioactive Waste Management Program and Pennsylvania Department of Environmental Resources, Risk: Assessment, Management, Communication, Harrisburg, PA, January, 1993.

"Risk Communication: Principles and Practice," Florida State University Center for Biomedical and Toxicological Research, Florida Hazardous Waste Sites: Principles of Toxicology, Risk Assessment, and Risk Communication, Fort Myers, FL, December, 1992.

"Risk Communication," Foundation for American Communications, Business, Environmental Issues, and Risk, Washington, DC, November, 1992.

"Environmental Risk Communication: Myth and Reality," National Guard, Public Affairs Conference, Scottsdale, AZ, November, 1992.

"Communicating Risk," American College of Occupational Medicine, Fall Conference, New York, NY, October, 1992.

"Communicating about Extension," NJ Extension Specialists Association, Statewide Meeting, New Brunswick, NJ, October, 1992.

"Environmental Risk Communication: Myth and Reality," National Low-Level Radioactive Waste Management Program, Communication Working Session, Portland, ME, October, 1992.

"Communicating with the Public about Environmental Risk," Medical University of South Carolina, Savannah River Region Health Information System Steering Committee, Savannah, GA. October, 1992.

"Improving Dialogue with Communities," Ohio Department of Health, National Low-Level Radioactive Waste Management Program, Risk Assessment, Management, and Communication, Columbus, OH, September, 1992.

"Risk Communication: Principles and Practice," Florida State University Center for Biomedical and Toxicological Research, Florida Hazardous Waste Sites: Principles of Toxicology, Risk Assessment, and Risk Communication, Tallahassee, FL, June, 1992.

"Voices of the Community," Worldwide Managers Meeting, Rohm and Haas, Seaview, NJ, May, 1992.

"Communicating about Environmental Risks Related to the Dry Cleaning Industry," U.S.EPA, Office of Pollution Prevention, International Roundtable on Pollution Prevention and Control in the Dry Cleaning Industry, Falls Church, VA, May, 1992.

"Meeting the Needs of the Public: Organization of Agency Efforts," Department of Environmental Protection and Energy, Bureau of Community Relations, Division of Publicly Funded Site Remediation, Community Relations Workshop, March, 1992.

"Risk Communication," Academy of Medicine of NJ and NJ Department of Health, Topics in Public Health Seminar Series, Trenton, NJ, February, 1992.

"Communicating about Environmental Risk," Environmental Protection Agency, National Environmental Information Conference, Risk Communication Forum, Philadelphia, PA, December, 1991.

"Myths and Realities of Government Risk Communication," Department of Energy, Making Decisions Regarding Development of Environmental, Safety, and Health Standards, Baltimore, MD, November, 1991.

"Cleaning Up the Oil Industry's Image," (keynote speech), Center for Agricultural Molecular Biology, Exxon/Rutgers Oil Clean Up Workshop, New Brunswick, NJ, October, 1991.

"Myths and Realities of Corporate Risk Communication," NY-NJ Environmental Expo, Panel: Developing a Proactive Environmental Risk Management Program, Secaucus, NJ, October, 1991.

"Hazard Elimination through Local Participation: The Plus Side," Institute of Business Law, NJ Environmental Compliance Management, Secaucus, October, 1991.

"Myths and Realities of Communicating Food Safety Risk," Health and Welfare of Canada, Partnership in Food Safety, Regina, Saskatchewan, CD, May, 1991.

"Myths and Realities of Environmental Risk Communication by Senior Officials," Association of State and Territorial Health Officials, Annual Meeting, San Diego, CA, May, 1991.

"Myths and Realities of Environmental Risk Communication by County Officials," Florida Department of Health and Rehabilitative Services, Toxicology: General Principles and Risk Assessment Workshop, Walkulla Springs, FL, May, 1991.

"Communicating Science in the 90's," Rutgers Cooperative Extension, Marketing Cooperative Extension Programs and Expanding Media Coverage, New Brunswick, NJ, February, 1991.

"Myths and Realities of Environmental Risk Communication," National Association of County Health Officials, Renton, WA, January, 1991.

"Myths and Realities of Communicating Environmental Risk," Tufts University, Environmental Health Policy Information Project Current Issues in Environmental Health Policy: A Workshop for Senior State and Local Policymakers, Durham, NH, December, 1990.

"How to Communicate Environmental Risk," Center for Environmental Management, Tufts University, Local Management of Chemical Risks, Medford, MA, October, 1990.

"Improving Dialogue on Title III," American Chemical Society, Mid-Atlantic Meeting, Cherry Hill, NJ, May, 1989.

"Reducing Title III Fears: Title III One Year Later," Allied-Signal Community Right-to-Know Training, (two presentations), Chicago, IL, and New Orleans, LA, April, May, 1989.



"Improving Dialogue and Explaining Risk to Communities," Kansas Public Health Association, Annual Meeting, Lawrence, KS, April, 1989.

"Developing Effective Outreach Programs," Office of Ground Water Protection, United States Environmental Protection Agency, Wellhead Protection Conference, New Orleans, LA, December, 1988.

"Risk Communication and Public Participation," Minerals Management Service, United States Department of the Interior, New Orleans, LA, October, 1988.

"Five Ways to Lose Trust and Credibility," The Society of the Plastics Industry, Polyurethane Division Technical/Marketing Conference, Philadelphia, PA, October, 1988.

"Initiating Communication Programs to Reduce Title III Fears," National Paint and Coatings Association, Annual Meeting, Chicago, IL, October, 1988.

"The Benefits of Public Outreach," Association of New Jersey Environmental Commissions, Community Right-to-Know Workshop, Vineland, NJ, October, 1988.

"Creating Dialogue about Title III," American Chemical Society, National Meeting, Los Angeles, CA, September, 1988.

"Public Perception of Risk," Hackensack Meadowlands Development Commission, New Jersey Critical Issues Seminar, Lyndhurst, NJ, July, 1988.

"Alerting Communities to Radon Risk," Office of Policy, Planning and Evaluation, United States Environmental Protection Agency and the Environmental Law Institute, Current Research on Radon Risk Communication, Washington, DC, June, 1988.

"Responding to Public Standards for Agency Action," United States Environmental Protection Agency, Region X, Senior Management Retreat, Seattle, WA, June, 1988.

"Reducing Title III Fears," Merck and Company, Community Right-to-Know Training, Woodbridge, NJ, June, 1988.

"Improving Dialogue with Communities: Power and Public Participation," Canadian Ministries of Health, Labor, and Environment, Symposium on Current Issues in Environmental and Occupational Health, Toronto, Canada, May, 1988.

"Reducing Title III Fears," Rhone-Poulenc Inc., Community Right-to-Know Training, Newark, NJ, May, 1988.

"Reducing Title III Fears," Allied-Signal, Community Right-to-Know Training, four presentations, Philadelphia, PA, Los Angeles, CA, Atlanta, GA, Kansas City, KA, April-May, 1988.

"Reducing Title III Fears," Air Pollution Control Association, International Workshop Series on Implementation of SARA Title III for Chemical Users, Newark, NJ, April, 1988.

"Effective Environmental Communication," Youth Environmental Society, Annual Winter Retreat, Princeton, NJ, February, 1988.

"Making the Media Work for You," Shalom Center, Heschel-King Conference for Peace Activists, Limerick, PA, February, 1988.

"Case Study: Disposal of Radium Contaminated Soil," (moderator), Eagleton Institute of Politics, Rutgers University, National Conference on Environmental Gridlock, Princeton, NJ, November, 1987.

"Local Emergency Preparedness," (moderator), Association for New Jersey Environmental Commissions, New Jersey Environmental Congress, Princeton, NJ, November, 1987.

"Buffers vs. Amplifiers: Risk Communication and the Role of Superfund Coordinators," United States Environmental Protection Agency, National Community Relations Coordinators Conference, San Francisco, CA, October, 1987.

"Communicating with the Public about Radon Risk," Air Pollution Control Association, International Specialty Conference on Managing Environmental Risks, Washington, D.C., October, 1987.

"Public Perception of Risk: Geological vs. Man-Made Radon," Hackensack Meadowlands Development Commission, New Jersey Critical Environmental Issues Seminar, Lyndhurst, NJ, July, 1987.

"How Citizens See Risk," "High Gear or Hide: Deciding When and Whether to Communicate About Risk," and "Not My Job: Organizing for Agency Risk Communication," Northeast Regional Public Health Center, Executive Seminar on Environmental Risk Education, Amherst, MA, June, 1987.

"Public Knowledge and Perception About Radon," (moderator), Institute for Health Policy Analysis/New York University Science and Environmental Reporting Program, Communicating the Radon Risk, New York, NY, March, 1987.

"Community Planning for Industry," Association for New Jersey Environmental Commissions, New Jersey Environmental Congress, Princeton, NJ, November, 1986.

"New Jersey's Right-to-Know Law and the Water Treatment Industry," NJ Section of the American Water Works Association, State Convention, Atlantic City, NJ, May, 1986.

"Risk Communication and Government Agencies," Division of Science and Research, New Jersey Department of Environmental Protection, Symposium, Trenton, NJ, November, 1985.

"Using the Media," Philadelphia Area Project on Occupational Safety and Health, Annual Meeting, Philadelphia, PA, September, 1985.

"Implementation of New Jersey's Right-to-Know Law: Relevance to the Development of Federal Legislation," Staff Meeting of Conference Committee for Superfund Legislation, Washington D.C., August, 1985.

"Complying with New Jersey's Right-to-Know Law," New Jersey State Chamber of Commerce, four workshops, May, 1985.

"Community Mobilization for Environmental Protection," University of Pennsylvania Law School, Third Annual Public Interest Law Conference, Philadelphia, PA, June, 1984.

"Pesticides and Right-to-Know Laws," National Coalition Against Misuse of Pesticides, Annual Conference, Washington D.C., March, 1984.

"State and Local Right-to-Know Laws," Texas Environmental Coalition, General Assembly, Austin, TX, January, 1984.

## **INVITED WORKSHOPS**

Workshop for Christine Whitman and other Senior Managers at USEPA (with Susan Santos) Washington, D.C. April 17, 2002

"Risk Communication Training," (one-day workshop with Susan Santos) Food and Drug Administration, Washington, DC, May 2000.

"Organizational Factors in Risk Communication," in workshop of Susan Santos, Society for Risk Analysis, Annual Meeting, New Orleans, LA, December, 1996.

"Environmental Risk Communication," The Association of State and Territorial Health Officials, Annual Meeting, Baltimore, MD, September, 1996.

"Risk Communication: Myths, Realities, and Media," (one-day workshop,) Florida Environmental Health Association, Tampa, FL, March, 1994.

"Risk Communication: Principles and Practice," Florida State University Center for Biomedical and Toxicological Research, Principles of Toxicology, Risk Assessment, and Risk Communication, Jacksonville, FL, February, 1994.

"State of the Art in Community Consultation," (keynote address) and "Building Credibility from the Inside" (workshop), Business Council of Australia and Centre for Corporate Public Affairs, Sydney, Australia, October, 1993.

"Risk Communication: A Necessary Skill for Working with Communities," (one-day workshop), National Association of County Health Officials, Edison, NJ, May, 1993.

"Risk Communication: A Necessary Skill for Working with Communities," (one-day workshop) National Association of County Health Officials and Maryland Department of Environment, Baltimore-Washington International Airport, MD, April, 1993.

"Communicating about Risk" (one-day workshop), University of Nebraska, Institute of Agriculture and Natural Resources, Cooperative Extension, Lincoln, NE, October, 1992.

"Science in the 90's: Explaining Environmental Issues," (half-day workshop), Pennsylvania Public Health Association, Annual Meeting, Harrisburg, PA, May, 1992.

"Managing and Preventing Environmental Health Controversy," (one-day workshop), National Association of County Health Officials, Denver, CO, May, 1992.

Managing and Preventing Environmental Health Controversy: A Communication Approach to Local Public Health," (one-day workshop), Association of Ohio Health Commissions and Ohio Department of Health, Columbus, OH, April, 1992.

"Overcoming Barriers to Communication" (half-day workshop), Monroe County Health Department and the Center for Environmental Information, Rochester, NY, March, 1992.

"Improving Risk Communication," (half-day workshop), Agency for Toxic Substances and Disease Registry and Centers for Disease Control, Atlanta, GA, February, 1992.

"Becoming Effective Communicators: How to Plan for Effective Communication with the Public," (one-day workshop with Susan Santos), Environmental Protection Agency, Region 1, Boston, MA, November, 1991.

"Risk Communication: The Hows and Whys," (one-half day workshop), Michigan Association for Local Public Health, Annual Conference, Traverse City, MI, August, 1991.

"Managing and Preventing Environmental Health Controversy: A Communication Approach for Local Health Officials," (half-day workshop), National Association of County Health Officials, Annual Meeting, Snowbird, VT, July, 1991.

"Improving Risk Communication" (half-day workshop), National Environmental Health Association, Annual Meeting, Portland, OR, June, 1991.

"Communication for Epidemiologists: How to Communicate Environmental Health Risks," (half-day workshop), Council of State and Territorial Epidemiologists, Annual Meeting, San Diego, CA, May, 1991.

"Improving Risk Communication," (one-day workshop with Martha Bean), Tacoma County Health Department, Tacoma, WA, April, 1991.

"Risk Communication and Health Agencies" (two-day workshops with Peter M. Sandman), Association for State and Territorial and Health Officials, Newark, NJ and Denver, CO, March, April, 1990.

"Risk Communication Workshop" (one-day workshop with Peter M. Sandman) Mobile Exploration and Producing U.S. Inc., Dallas, TX, February, 1990.

"Improving Risk Communication" (one-half day workshop), Canadian Public Relations Society, Calgary, Alberta, September, 1989.

"Improving Dialogue: An Introductory Workshop on Risk Communication" (three one-day workshops with Peter M. Sandman and Martha Bean), California Department of Health Services, Sacramento, Oakland, and Berkeley, CA, July, 1989.

EPA Risk Communication Training (facilitator of two-day session to train EPA staff to conduct trainings), Office of Policy, Planning, and Evaluation, Environmental Protection Agency, Annapolis, MD, April, 1989.

"Risk Communication for Environmental News Sources" (one-day conference with Peter M. Sandman, Michael Greenberg, and David Sachsman), Environmental Communication Research Program, Rutgers University, New Brunswick, NJ, October, 1988.

"Using Quick and Easy Evaluation Methods," (workshop with Mark Kline) and "Lessons for Effective Risk Communication and Problem-Solving," (panelist), Task Force on Environmental Cancer and Heart and Lung Disease, Workshop on Evaluation and Effective Risk Communication, Washington, DC, June, 1988.

"Communicating about Title III," (workshop with Billie Jo Hance), Sun Oil Company, Radnor, PA, May, 1988.

"Building Dialogue on Environmental Health" (one-day workshop with Peter M. Sandman), New York State Department of Health, Albany, NY, April, 1988.

"Introductory Workshop on Risk Communication," (one-day workshop with Peter M. Sandman, Billie Jo Hance, and Susan Santos), New Jersey Department of Environmental Protection, Trenton, NJ, December, 1987.

"Introductory Workshop on Risk Communication," (one-day workshop with Peter M. Sandman), California Department of Health Services, Berkeley, CA, June, 1987.

"Right-to-Know and Community Protection," Community Right-to-Know Workshop, Governor's Office of Toxic Substances, State of California, San Diego, CA, March. (Part of two-week speaking tour of California sponsored by the Governor's office, citizen groups, and private foundations), March, 1982.

## **OTHER PRESENTATIONS**

Lee Clarke, Caron Chess, and Karen O'Neill "Speaking With One Voice," Society for Risk Analysis, Baltimore, MD December 5, 2006

Caron Chess and Rachel Holmes, "Organizational Amplification and Attenuation of Risk: Anthrax, 2001," Society for Risk Analysis December, 2005

Seth Tuler, Thomas Webler, Stentor Danielson, and Caron Chess, "Tools for Evaluating Community Involvement at Superfund Sites," Society for Risk Analysis December 2004

Caron Chess and Branden Johnson, "Public Views On The Protectiveness Of Standards, Society For Risk Analysis, " December 2003

"Evaluating Public Participation: Consideration Of Methods," University Of East Anglia, Norwich, UK, August, 2002

Susan Santos And Caron Chess, "Evaluating Participation In Citizen Advisory Boards," Society For Risk Analysis, Arlington, VA, December 2000.

Ginger Gibson and Caron Chess, "Communicating About Environmental Indicators," Society For Risk Analysis, Arlington, VA, December 2000.

Caron Chess and Ginger Gibson, "Participatory Evaluation of Watershed Management," Society for Risk Analysis, Atlanta, December 1999.

Caron Chess and Branden Johnson, "Mental Models of Drinking Water," Society for Risk Analysis, Atlanta, December, 1999.

Caron Chess, "Making Decisions About Risk: Organizational Responsiveness to Risk Stakeholders," Society for Risk Analysis, Phoenix, AZ, December, 1998.

"Organizational Factors in Pollution Prevention," and "Defining Practitioners' Risk Communication Needs," Society for Risk Analysis, Annual Meeting, Charleston, SC, December, 1993.

"Improving Credibility with Communities: The Organization of Risk Communication Efforts at Two Chemical Plants," Tufts University, Center for Environmental Management, Greening of Industry Conference, Boston, MA, November, 1993.

"The Organizational Links between Risk Communication and Risk Management," Society for Risk Analysis, Annual Meeting, Baltimore, MD, December, 1991.

"Organizational Factors in Risk Communication," "Communicating about Radon Risk in Three Communities," Society for Risk Analysis, Annual Meeting, New Orleans, LA, October, 1990.

"Environmental Risk Communication: Rhetoric and Reality," American Public Health Association, Annual Meeting, New York, NY, October, 1990.

"Risk Education Agendas of Competing Constituencies in New Jersey," Society for Risk Analysis, Annual Meeting, San Francisco, CA, November, 1989.

"Managing Risk Communication" and "Getting Down to Cases," Society for Risk Analysis, Annual Meeting, Washington, DC, November, 1988.

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