

WILLIAM LEISS, O.C., Ph.D., FRSC

leissw@queensu.ca

<http://www.leiss.ca>

CURRICULUM VITAE 2024

Section A: Research and Publications (Pages 3-15)

Section B: Other Academic Activities (Pages 15-31)

A. Professional Activities

I. CONTACT:

william.leiss@gmail.com / william.leiss@queensu.ca

II. EDUCATION:

- ❖ B.A. *summa cum laude*, History, Fairleigh Dickinson University, 1960
- ❖ M.A., History of Ideas Program, Brandeis University, 1963
- ❖ Ph.D., Philosophy, University of California at San Diego, 1969

III. PUBLIC SERVICE:

- ❖ **President, The Royal Society of Canada (1999-2001)**
- ❖ Chair, Task Force on Public Participation, Canadian Blood Services (2000)
- ❖ Member, Research Advisory Panel, The Walkerton Inquiry (2000-2002)
- ❖ Member, National Science Organization Working Group, Industry Canada (2000-2001), responsible for the proposal to create The Council of Canadian Academies
- ❖ Adviser to government departments and agencies, non-governmental organizations, and industry on risk management and public policy (1984-present)
- ❖ Frequent invited speaker in Canada and internationally (1990-present)

IV. HONOURS AND MAJOR AWARDS:

- ❖ **Officer, Order of Canada (2004)**
- ❖ Senior Fellow, Society for the Humanities, Cornell University, Fall 2012
- ❖ NSERC/SSHRC/Industry Research Chair in Risk Communication & Public Policy, Haskayne School of Business, University of Calgary, 1999-2005
- ❖ Eco-Research Chair in Environmental Policy, Queen's University, 1994-99
- ❖ Telus Distinguished Visitor, University of Calgary, Fall 1997
- ❖ Fellow of the Royal Society of Canada (elected 1990)
- ❖ University Research Professor, Simon Fraser University, 1989
- ❖ Woodrow Wilson Fellow, 1960

V. CURRENT ACADEMIC AFFILIATIONS:

- 2001- Scientist, R. Samuel McLaughlin Centre for Population Health Risk Assessment, University of Ottawa
- 2005- Emeritus Professor, School of Policy Studies, Queen's University

VI. PREVIOUS ACADEMIC APPOINTMENTS:

- 1994-2005 Professor, School of Policy Studies, Queen's University
- 1998-2000 Professor, Haskayne School of Business, University of Calgary
- 1980-1994 Professor of Communication, Simon Fraser University
- 1976-1979 Professor in Environmental Studies and Professor of Political Science (Faculty of Arts), York University

1975-1976 Associate Professor of Sociology, University of Toronto
1973-1975 Associate Professor in Environmental Studies, York University
1968-1973 Assistant/Associate Professor of Political Science, University of Regina

VII. ADMINISTRATIVE APPOINTMENTS:

1990-1993 Vice-President, Research, Simon Fraser University
1988-1993 Director, Centre for Policy Research on Science and Technology, SFU
1980-1986 Chair, Department of Communication, SFU

VIII. EXTERNAL APPOINTMENTS:

2008-2010 Chair, Committee on Expert Panels, Royal Society of Canada [and 1995-1999]
1999-2001 Member, Advisory Council of the Order of Canada
1996-2000 Member, National Advisory Panel on "Responsible Care," Canadian Chemical Producers' Association
1994-1997 Member, Board of Directors, Canadian Global Change Program, Ottawa

Pursuant to duties as Vice-President, Research at SFU:

1990-3 Trustee, Discovery Foundation, Vancouver, B.C.; Director and Vice-President, Discovery Parks, Inc.
1990-3 Director, Board of Management, TRIUMF, Vancouver, BC
1990-3 Director and Board Chair, SF Univentures Corporation
1992-3 Director, B. C. Biotechnology Alliance Society
1992-3 Director and Chair, Board of Management, International Centre for Criminal Law Reform & Criminal Justice Policy

IX. PROFESSIONAL OFFICES:

1992-1997 Member, CSA Technical Committee for a Risk Management Standard Q850-97
1988-1998 Member, Institute for Risk Research, University of Waterloo
1990-1992 Member, National Advisory Panel on the Risk/Benefit Management of Drugs, Canadian Public Health Association
1987-1990 Member, CSA Technical Committee for a Risk Analysis Standard Q634-91
1984-1992 Member, Adjudication Committee for Strategic Grants (HCST/STP), SSHRCC, 1984-1986, 1990-92
1982-1983 President, Canadian Communication Association

X. RESEARCH GRANTS – SUMMARY (see further S. XVII):

- *Canada Council / SSHRCC Research Grants:* 1969, 1971, 1973, 1979, 1983, 1985, 1986, 1989, 1990, 1991-4, 1994-7; Leave Fellowship, 1977; various travel /conference grants.
- *SSHRCC Strategic Area Grants:* 1983-5, 1986-9, 1990-1, 1991-5.
- *Eco-Research Chair in Environmental Policy:* Environment Canada, Tri-Council Secretariat, and Imperial Oil Ltd., 1994-9 (\$1.3m)

- *Research Chair in the Management of Technological Change, “The Management and Communication of Risk as a Public Policy Issue,” 1999-2004: NSERC/SSHRC, with Nexen Inc., Dow Chemical Canada, and other industrial sponsors (\$1.25m)*

XI. RECENT RESEARCH AND PUBLICATION PROJECTS:

- *Deep Disposal: A Documentary Account of Burying Nuclear Waste in Canada.* McGill-Queen’s University Press, forthcoming September 2024.
- *Canada and Climate Change,* McGill-Queen’s University Press [MQUP], 2022.
- Mini-E-Book, *The Blue/Red Divide in the United States* (2021): www.leiss.ca
- Carbon Capture and Storage (6 published articles in 2019).
- Risk Management of Prion diseases (BSE and CWD, 2010–2017).

XII. PUBLICATIONS:

A. Books (Sole Author):

- 10 *Canada and Climate Change,* McGill-Queen’s University Press, 2022. Pp. xiv, 181. Chinese translation with new title, forthcoming 2024.
- 9 *Hera the Buddha: Book Three of The Herasaga.* Amazon Kindle E-Book, 2017. Pp. xv, 239.
- 8 *The Doom Loop in the Financial Sector, and Other Black Holes of Risk.* The University of Ottawa Press, 2010. Pp. xix, 169.
- 7 *The Priesthood of Science: A Work of Utopian Fiction. (Book Two of “The Herasaga.”)*. The University of Ottawa Press, 2008. Pp. xxvii, 287. Second Edition, Amazon Kindle E-Book, 2017, 325pp.
- 6 *Hera, or Empathy: A Work of Utopian Fiction. (Book One of “The Herasaga.”)* Ottawa: The University of Ottawa Press, 2006. Pp. xvii, 600. Second Edition, Amazon Kindle E-Book, 2017, 583pp.
- 5 *In the Chamber of Risks: Understanding Risk Controversies.* McGill–Queen’s University Press [MQUP], 2001. Pp. xv, 388.
- 4 *Under Technology’s Thumb.* Montréal: McGill-Queen's University Press, 1990. pp. xii, 169 (reprinted 1994); Chinese translation, forthcoming 2024.
- 3 *C. B. Macpherson: Dilemmas of Liberalism and Socialism.* Montréal: New World Perspectives/ Toronto: McClelland and Stewart/New York: St. Martin's Press, 1988, pp. 152. Reprint edition with new Preface: Montréal: McGill-Queen's University Press, 2009.

- 2 *The Limits to Satisfaction: An Essay on the Problem of Needs and Commodities*. Toronto: University of Toronto Press, 1976, pp. xi, 159. New edition with additions, London: Marion Boyars, 1978. Revised edition, University of Toronto Press, 1979, pp. xx, 163; Japanese translation, Shinhyoron, 1987; new edition, MQUP, 1988; Chinese translation, Beijing: Commercial Press, 2016.
- 1 *The Domination of Nature*. New York: George Braziller, 1972, pp. xii, 242. Other editions: Paperback (with new preface): Boston: Beacon Press, 1974. Italian translation, Milan: Longanesi, 1976. Reprint edition with new preface, MQUP, 1994; Chinese translation, Beijing: Foreign Studies on Marxism and Socialism, 2008. **New Edition with new preface, MQUP, 2023.**

B. Books (Senior Author):

- 3 *Mad Cows and Mother's Milk: The Perils of Poor Risk Communication*, with Douglas Powell. Montreal: McGill-Queen's University Press, 1997; second enlarged edition, MQUP 2004, pp. xvii, 452.
- 2 *Risk and Responsibility*, with Christina Chociolko. Montreal: McGill-Queen's University Press, 1994, Pp. xvi, 405.
- 1 *Social Communication in Advertising: Persons, Products, and Images of Well-Being*, with S. Jhally and S. Kline. First edition: Toronto, Methuen Publications, 1986. Pp. xi, 327. Second edition, revised and enlarged: Toronto: Nelson Canada, 1990. Pp. x, 426. Third edition, with Jacqueline Botterill, New York: Routledge, 2005. Pp. x, 683. Greek translation: Kastaniotis, 2008. **Fourth edition, with Kyle Asquith, New York: Routledge, 2018. Pp. x, 431.**

C. Books (Major Contributor):

- 2 *Communicating about Risks to Environment and Health in Europe*, ed. P. Gray et al. Dordrecht/Boston: Kluwer, 1998, pp. xxii, 409. (Member of editorial committee and author of various sections.)
- 1 Liora Salter, with the assistance of Edwin Levy and William Leiss, *Mandated Science*. Dordrecht/Boston: Kluwer, 1988. Pp. xii, 221.

D. Books (Editor):

- 3 *The Essential Marcuse*. Edited with an Introduction by Andrew Feenberg & William Leiss. Boston: Beacon Press, 2007. Pp. xliii, 249. Russian translation: Moscow, AST Publishers, 2011.
- 2 *Prospects and Problems in Risk Communication*. University of Waterloo Press, 1989. Pp. vi, 216.

1 *Ecology versus Politics in Canada*, a collection of original essays. Toronto: University of Toronto Press, 1979. Pp. xiv, 282.

E. Articles in Refereed Journals

- 43 Daniel Krewski, Patrick Saunders-Hastings, Patricia Larkin, Margit Westphal, Michael G. Tyshenko, William Leiss, Maurice Dusseault, Michael Jerrett & Doug Coyle (2022), "Principles of risk decision-making," *Journal of Toxicology and Environmental Health, Part B*, DOI: [10.1080/10937404.2022.2107591](https://doi.org/10.1080/10937404.2022.2107591)
- 42 William Leiss, Michael Tyshenko, Patricia Larkin, and Daniel Krewski (2020), "Treaty Framing and Climate Science: Challenges in Managing the Risks of Global Warming," *International Journal of Global Environmental Issues*, Vol. 19, Nos. 1/2/3, pp. 273-293 [Open Access]: <https://www.inderscience.com/info/inarticle.php?artid=114882>
- 41 Supplementary Information to William Leiss, Michael Tyshenko, Patricia Larkin, and Daniel Krewski (2021), "Treaty Framing and Climate Science: Challenges in Managing the Risks of Global Warming" [Open Access]: <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/2SUI27>
- 40 "A Global Decarbonisation Bond": William Leiss 2019 *Environmental Research Letters* **14** 091003 (3 pp.)
- 39 Sarkarfarshi, M., Ladubec, C., Gracie, R., Dusseault, M.B., Leiss, W. and Krewski, D. (2019). "Potential technical hazards associated with four North American carbon capture and sequestration projects," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp.359-383.
- 38 William Leiss and Daniel Krewski (2019). "Environmental Scan and Issue Awareness: Risk Management Challenges for CCS," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp. 234-253.
- 37 William Leiss and Patricia Larkin (2019). "Risk Communication and Public Engagement in CCS Projects: The Foundations of Public Acceptability," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp.384-403.
- 36 Patricia Larkin, William Leiss, and Daniel Krewski (2019). "The Evolution of Regulatory Practice for CCS Projects in Canada," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp.286-310.
- 35 Patricia Larkin, William Leiss, and Daniel Krewski (2019). "Risk Assessment and Management Frameworks for Carbon Capture and Geological Storage: A Global Perspective," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp.254-285.

- 34 Patricia Larkin, William Leiss, Joe Arvai, Maurice Dusseault, Mamadou Fall, Robert Gracie, Anthony Heyes, and Daniel Krewski (2019). "An Integrated Risk Assessment and Management Framework for Carbon Capture and Storage in the Canadian Context," *Int. J. Risk Assessment and Management*, Vol. 22, Nos. 3/4, pp.464-508.
- 33 William Leiss, Margit Westphal, Michael G. Tyshenko, Maxine C. Croteau, Tamer Oraby, Wiktor Adamowicz, Ellen Goddard, Neil R. Cashman, Shalu Darshan, and Daniel Krewski (2017). "Challenges in Managing the Risks of Chronic Wasting Disease." *International Journal of Global Environmental Issues*, Vol. 16, No. 4, pp. 277-302.
- 32 Hrudey, S.E., B. Conant, I.P. Douglas, J. Fawell, T. Gillespie, D. Hill, W. Leiss, J.B. Rose & M. Sinclair (2011). "Managing uncertainty in the provision of safe drinking water." *Water Sci. Technol.: Water Supply*. 11(6): 675-681.
- 31 W. Leiss, M. G. Tyshenko, N. Cashman, D. Krewski, L. Lemyre, C. Amaratunga, M. Al-Zoughool (2010). "Managing Prion Disease Risks: A Canadian Perspective." *International Journal of Risk Assessment and Management*, Vol. 14, no. 5, 381-436.
- 30 W. Leiss, M. Tyshenko, and D. Krewski. "Men having sex with men donor deferral risk assessment." *Transfusion Medicine Reviews*, Vol. 22, no. 1 (2008), 35-57.
- 29 "Nuclear Waste Management at the Interface of Science and Policy," *Energy and Environment*, Vol. 19, no. 3+4 (2008), 413-426.
- 28 M Tyshenko, KP Phillips, M Mehta, R Poirier, W Leiss. "Risk communication of endocrine disrupting chemicals: Improving knowledge translation and transfer." *Journal of Toxicology and Environmental Health, Part B*, Vol. 11 (2008), 345-350.
- 27 KP Phillips, WG Foster, W Leiss, V Sahni, N Karyakina, M Turner, S Kacew, D Krewski. "Assessing and Managing Risks Arising from Exposure to Endocrine Disrupting Chemicals." *Journal of Toxicology and Environmental Health, Part B*, Vol. 11 (2008), 351-372.
- 26 "A Tale of Two Food Risks: BSE and Farmed Salmon in Canada" (with A.-M. Nicol), *Journal of Risk Research*, Vol. 9, No. 8 (December 2006), 891-910.
- 25 "Effective Risk Communication Practice," *Toxicology Letters* 149 (2004) 399-404.
- 24 "Risk Management and Precaution: Insights on the Cautious Use of Evidence" (with S. E. Hrudey), *Environmental Health Perspectives*, 111, no. 13 (October 2003), 1577-81.
- 23 L. M. Brodsky, R. W. Y. Habash, W. Leiss, D. Krewski, & M. Repacholi. "Health Risks of Electromagnetic Fields, Part III: Risk Analysis," *Critical Reviews in Biomedical Engineering*, 31(4): 333-354 (2003).
- 22 R. W. Y. Habash, L. M. Brodsky, W. Leiss, D. Krewski, & M. Repacholi. "Health Risks of Electromagnetic Fields, Part II: Risk Analysis," *Critical Reviews in Biomedical Engineering*, 31(3): 197-254 (2003).

- 21 R.W. Y. Habash, L. M. Brodsky, W. Leiss, D. Krewski, & M. Repacholi. "Health Risks of Electromagnetic Fields, Part I: Risk Analysis," *Critical Reviews in Biomedical Engineering*, 31(3): 141-195 (2003).
- 20 "Who's afraid of Climate Change? A Guide for the Perplexed" (with Hadi Dowlatabadi & Greg Paoli), *Isuma: Canadian Journal of Policy Research*, vol. 2, no. 4 (Winter 2001), pp. 95-103.
- 19 "The Public Controversy over Genetically Modified Foods," *Isuma: Canadian Journal of Policy Research*, vol. 1, no. 2 (Autumn 2000), pp. 80-85.
- 18 "'Down and Dirty': The Use and Abuse of Public Trust in Risk Communication." *Risk Analysis*, vol. 15, no. 6 (Dec. 1995), pp. 685-92.
- 17 C. Teschke, C. Hertzman, R. Fenske, A. Jin, A. Ostry, C. van Netten, and W. Leiss. "A History of Process and Chemical Changes in the Western Canadian Lumber Industry." *Appl. Occup. Environ. Hygiene*, vol. 9, no. 2 (December 1994), pp. 984-93.
- 16 "On the Vitality of our Discipline: New Applications of Communications Theory" (Southam Lecture). In: *Canadian Journal of Communication*, Vol. 16 (1991), pp. 291-305; French translation, *Communication et Information*, Vol. 12 (1991), pp. 205-225.
- 15 "A Typology of Risk Management Issues." In: *Risk Abstracts*, Vol. 7, No. 3 (September 1990), pp. 1-8.
- 14 "Applying Risk Communication and Risk Perception Research to the Resolution of Disagreements about Risks." In: *Risk Abstracts*, vol. VI, No. 4 (October 1989), pp. 179-86.
- 13 "Industry, Technology and the Political Agenda in Canada." In: *Science and Public Policy*, Vol. 15, No. 1 (Feb. 1988), pp. 57-65.
- 12 "Magic in the Marketplace: An Empirical Test for Commodity Fetishism" (With S. Jhally and S. Kline.) In: *Canadian Journal of Political and Social Theory*, Vol. IX, No. 3 (Fall 1985), pp. 1-22.
- 11 "The Icons of the Marketplace." In: *Theory, Culture and Society*, Vol. I, no. 3 (1983), pp. 10-22. French translation, *Communication et Information*, Vol. V, No. 2 (1983), pp. 133-145.
- 10 "A Value Basis for Conservation Policy." In: *Policy Studies Journal*, Vol. 9, No. 4 (1980), pp. 613-622.
- 9 "Needs, Exchanges, and the Fetishism of Objects." In: *Canadian Journal of Political and Social Theory*, Vol. II, No. 3 (Fall 1978), pp. 27-38.
- 8 "Advertising, Needs, and Commodity Fetishism" (With S. Kline.) In: *Canadian Journal of Political and Social Theory*, Vol. II, No. 1 (Winter 1978), pp. 5-20.

- 7 "Ideology and Science," *Social Studies of Science*, V, No. 2 (1975), 193-201.
- 6 "The Problem of Man and Nature in the Work of the Frankfurt School." In: *Philosophy of the Social Sciences*, Vol. V (1975), pp. 163-172.
- 5 "Critical Theory and its Future." In: *Political Theory*, Vol. II, No. 3 (August 1974), pp. 330-349.
- 4 "Technological Rationality: Marcuse and his Critics." In: *Philosophy of the Social Sciences*, Vol. II, No. 1 (March 1972), pp. 31-42.
- 3 "Utopia and Technology: Reflections on the Conquest of Nature." In: *International Social Science Journal*, Vol. XXII, No. 4 (1970), pp. 576-588; French translation in *Revue internationale des sciences sociales*, Vol. XXII, No. 4 (1970), pp. 627-639. Reprinted in: N. Cross, et al. (eds.), *Man-Made Futures* (London: Hutchinson, 1974), pp. 20-30.
- 2 "The Social Consequences of Technological Progress: Critical Comments on Recent Theories." In: *Canadian Public Administration*, Vol. XIII, No. 3 (Fall 1970), pp. 246-262; republished under the title "The False Imperatives of Technology," in David Shugarman (ed.), *Thinking about Change* (University of Toronto Press, 1974), pp. 105-121.
- 1 "Max Scheler's Concept of Herrschaftswissen." In: *The Philosophical Forum*, Vol. II, No. 3 (Spring 1971), pp. 316-331; different version in Spanish translation in *Dialogos*, No. 16 (1969), pp. 29-52.

F. Essays as Chapters in Books:

- 36 "Eco-Dominion" in: G. Liu & J. Drzewieniecki (eds.), *Russian Studies, Political Science, And the Philosophy of Technology* (Rowman & Littlefield: Lexington Books, 2022), Chapter 10, pages 219-239.
- 35 "Learning from Failures." In: *Effective Risk Communication*, ed. Joseph Árvai and Louie Rivers III, Chapter 16, pp. 277-291. New York: Routledge, 2014.
- 34 "Modern Science, Enlightenment, and the Domination of Nature: No Exit?" In: *Critical Ecologies*, ed. Andrew Biro (University of Toronto Press, 2011), pp. 23-42.
- 33 "On Proof and Probability" (with Steve Hrudehy), Introductory Chapter to *Law and Risk*, Legal Dimensions Initiative, Law Commission of Canada: UBC Press 2005, pp. 1-19. French version, Les Presses de l'Université Laval, 2006.
- 32 "Policing Society," in: Nico Stehr (ed.), *The Governance of Knowledge* (New Brunswick, NJ: Transaction Books, 2004), pp. 103-115.
- 31 "How Canada's Stumbles with Environmental Risk Management Reflect an Integrity Gap." In: Eugene Lee & Anthony Perl (eds.), *The Integrity Gap* (Vancouver, BC: UBC Press, 2003), pp. 25-41.

- 30 "Searching for the Public Policy Relevance of the Risk Amplification Framework." Chapter 15 in N. Pidgeon, R. Kasperson & P. Slovic (eds.), *The Social Amplification of Risk* (Cambridge University Press, 2003), pp. 355-73.
- 29 "Governing Food: Closing Remarks," chapter 12 in *Governing Food: Science, Safety and Trade*, eds. P. Phillips & R. Wolfe (McGill-Queen's Univ. Press, 2001), pp. 165-74.
- 28 "Some Aspects of the 'New Biotechnology' and its Regulation in Canada" (with Mike Tyshenko). Chapter 17 in D. VanNijnatten & R. Boardman (eds.), *Canadian Environmental Policy*, 2nd edition, Oxford University Press, 2001), pp. 321-43.
- 27 "Dioxins or Chemical Stigmata." Chapter 16 in J. Flynn, H. Kunreuther & P. Slovic (eds.), *Risk, Media and Stigma* (London: Earthscan Publications, 2001), pp. 257-67.
- 26 "Between Expertise and Bureaucracy: Risk Management trapped at the Science/Policy Interface." Chapter 3 in G. Bruce Doern & Ted Reed (eds.), *Risky Business* (University of Toronto Press, 2000), pp. 50-74.
- 25 "The Censorship of Commercial Speech, with special reference to Tobacco Product Advertising." Chapter 6 in *Interpreting Censorship in Canada*, eds. Klaus Petersen & Allan C. Hutchinson (University of Toronto Press, 1999), pp. 101-128.
- 24 "Governance and the Environment." In: T. Courchene (ed.), *Policy Frameworks for a Knowledge Economy (Bell Papers vol. IV)*, John Deutsch Institute for the Study of Economic Policy, Queen's University, 1996, pp. 121-63.
- 23 "Three Phases in the Evolution of Risk Communication Practice." In: H. Kunreuther & P. Slovic (eds.), *Challenges in Risk Assessment and Risk Management*, Special Issue of *The Annals of the American Academy of Political and Social Science*, vol. 545 (May 1996), pp. 85-94.
- 22 "Stakeholder Involvement in the Administration of Environmental Standards." In: R. Hawkins, R. Mansell, and J. Skea (eds.), *Standards, Innovation, and Competitiveness*. London: Edward Elgar Publishers, 1995, pp. 50-61.
- 21 "Antisapstain Chemicals: A Case Study in Stakeholder Negotiation." In: C. W. Robinson and L. Wilson (eds.), *Process Safety and Loss Management in Canada*. Waterloo, ON: Institute for Risk Research, 1995, pp. 69-90.
- 20 "Why the Public Needs the Fruits of Scholarship, and How it Might Obtain Them", *Transactions of the Royal Society of Canada, Sixth Series*, vol. V (1994), pp. 81-91.
- 19 "Risk Communication and Public Knowledge." In: D. Crowley and D. Mitchell (eds.), *Communication Theory Today*. Cambridge, UK: Polity Press, 1994, pp. 127-39.

- 18 "The End of History, and its beginning again." In: J. H. Carens (ed.), *Democracy and Possessive Individualism: The Intellectual Legacy of C. B. Macpherson*. Buffalo, N.Y.: SUNY Press, 1993, pp. 263-74.
- 17 "The Ravelled Sleeve: Advertising Policy in Canada." (With S. Kline.) In: D. Taras and H. Holmes (eds.), *Seeing Ourselves: Media Power and Policy in Canada*. Toronto: Harcourt Brace Jovanovich Canada, 1992, pp. 119-34.
- 16 Leiss, W., & Smith, R. (1990). "Management of Technology: The Role of Risk Management." In: T.M. Khalil & B.A. Bayraktar (eds.), *Management of Technology II: The Key to Global Competitiveness*. (Vol. 2, Second International Conference on Management of Technology, pp. 1337-1346). Miami, FL: Industrial Engineering and Management Press, Norcross, Ga.
- 15 "Managing the Risks and Consequences of Innovation." In: L. Salter and D. Wolfe (eds.), *Managing Technology*. Toronto: Garamond, 1990, pp. 185-205.
- 14 "Industrial Policy and Strategies for Research and Development." (With Richard Smith.) In: L. Salter and D. Wolfe (eds.), *Managing Technology*. Toronto: Garamond, 1990, pp. 113-128.
- 13 "The Idols of Technology." In: *Transactions of the Royal Society of Canada*, Vol. IV (1989), pp. 35-42. Republished with additions in: N. Stehr and R.C. Ericson (eds.), *The Culture and Power of Knowledge*. Berlin: de Gruyter, 1992, pp. 61-71.
- 12 "Risk Communication: Theory and Practice." (With D. Krewski.) In: *Prospects and Problems in Risk Communication*, ed. W. Leiss. University of Waterloo Press, 1989, pp. 89-112.
- 11 "Symbolism, Consumption and the Quality of Life" (with S. J. Shapiro). In: *Marketing and the Quality of Life Interface*, ed. A.C. Samli (Westport, CT: Quorum Books, 1987), pp. 153-172; also as "Economic Life as Symbolic Activity," *Economic Growth and the Role of Science*, ed. S. Bergstrom (Stockholm: Edsbruk, 1984), pp. 273-303.
- 10 "A Value Basis for Conservation Policy." In: *Policy Analysis: Perspectives, Concepts, and Methods*, ed. William N. Dunn (Greenwich, CT: JAI Press, 1986), pp. 185-201.
- 9 "Under Technology's Thumb: Public Policy and the Emergence of the Information Society." In: *Social Responses to Technological Change*, eds. A. Brannigan and S. Goldenberg (Westport, CT: Greenwood Press, 1985), pp. 165-181 and 251-7.
- 8 "Technology and Degeneration: The Sublime Machine." In: *Degeneration*, ed. J.E. Chamberlin and S.L. Gilman (New York: Columbia Univ. Press, 1985), pp. 145-164.
- 7 "Things Come Alive: Economy and Technology as Modes of Social Representation in Modern Society." In: *Les Savoirs dans les Pratiques Quotidiennes: Recherches sur les Representations*, eds. C. Belisle & B. Schiele. Paris: Editions du C.N.R.S., 1984, pp. 40-65.
- 6 "Political Aspects of Environmental Issues." In: *Ecology versus Politics in Canada*, ed. William Leiss (Toronto: University of Toronto Press, 1979), pp. 256-279. Reprinted in R.C. Schultz

and J.D. Hughes (eds.), *Ecological Consciousness* (Washington, D.C.: University Press of America, 1981), pp. 209-238.

- 5 "Domination over Nature and Respect for Nature." In: *Scientific Culture in the Contemporary World*, ed. Vittorio Mathieu and Paolo Rossi (Milan: Scientia, 1979), pp. 389-402. (Also in French translation.) Italian translation of shorter version in *La nuova ragione*, ed. P. Rossi (Bologna: Il Mulino, 1981), pp. 177-85.
- 4 "Marx and Macpherson: Needs, Utilities, and Self-Development." In: *Powers, Possessions and Freedom: Essays in Honour of C.B. Macpherson*, ed. Alkis Kontos (Toronto: University of Toronto Press, 1979), pp. 119-138.
- 3 "The Social Function of Knowledge in the Liberal Tradition." In: *Liberalism and the Modern Polity*, ed. Michael McGrath (New York: Marcel Dekker, 1978), pp. 177-193.
- 2 "Technology and Instrumental Rationality in Capitalism and Socialism." In: *Technology and Communist Culture*, ed. Frederic Fleron (New York: Praeger, 1977), pp. 115-145.
- 1 "The Critical Theory of Society: Present Tasks and Future Prospects." In: *Critical Interruptions*, ed. Paul Breines (New York: Herder and Herder, 1970), pp. 74-100.

G. Internet Essays and Presentations:

www.leiss.ca

https://www.researchgate.net/profile/William_Leiss

H. Other Articles:

- 11 "The Risks of Policy Choices: The War in Iraq and the Doctrine of Pre-Emption," *Policy Options*, vol. 24, no. 05 (May 2003), pp. 41-44.
- 10 "The Concept of Risk," *Horizons*, vol. 5, no. 3 (2002), pp. 4-6.
- 9 "Why is Risk Controversial?" (with C. Chociolko). In: *Risk Management*, vol. 40, no. 5 (May 1993), pp. 30-35.
- 8 "Instrumental Rationality, the Domination of Nature, and why we do not need an Environmental Ethic." In: P. Hanson (ed.), *Environmental Ethics: Philosophical and Policy Perspectives*. Burnaby, B.C.: Institute for the Humanities, Simon Fraser University, 1986, pp. 175-9.
- 7 Editorial in *Electronic Times*, September 1986, p. 11.
- 6 "Public Consultation and Communication in the Regulatory Process." In: *Proceedings of the Conference on Public Affairs and Forest Management*, Canadian Pulp and Paper Association, Montreal, 1985, p. E27.

- 5 "The Evolution of Cultural Frames for Goods in the Twentieth Century" (with S. Kline and S. Jhally). In: *Marketing in the Long-Run: Proceedings of the Second Workshop on Historical Research in Marketing*, Michigan State University/American Marketing Association, April 1985, pp. 3-17.
- 4 "Rationalism and Faith: Kolakowski's Marx." In: *Canadian Journal of Political and Social Theory*, Vol. 6, No. 1 (1982), pp. 160-166.
- 3 "The Imperialism of Human Needs." In: *The North American Review*, Vol. 259, No. 4 (Winter 1974), pp. 27-38.
- 2 "Technological Rationality: Notes on Work and Freedom in Marcuse and Marx." In: *Canadian Journal of Political Science*, Vol. IV, No. 3 (September 1971), pp. 398-402.
- 1 "Husserl's Crisis." In: *Telos*, No. 8 (Summer 1971), pp. 109-121.

XIII. SELECTED REPORTS AND WORKING PAPERS:

- 48 "Risk Management of Carbon Capture and Storage" (2009), for ISEEE, University of Calgary, 40pp.
- 47 "The Expert Panel Process in Canada," for the Council of Canadian Academies, Ottawa (2008), 40pp.
- 46 Expert Witness Statement, Commission of Inquiry into the Investigation of the Bombing of Air India Flight 182 (2007).
- 45 Pollard, S., Hrudehy, S.E., Hamilton, P., MacGillivray, B., Strutt, J., Sharp, J., Bradshaw, R., Leiss, W. and Godfree, A. (2007) *Risk analysis strategies for credible and defensible utility decisions*, AWWA Research Foundation Research Report 91168, American Water Works Association and IWA Publishing, Denver, CO, 88pp.
- 44 W. Leiss et al., "Assessing the Options: Future Management of Used Nuclear Fuel in Canada" (2004), Nuclear Waste Management Organization, Toronto, 159pp.
- 43 W. Leiss et al., Parks Canada, "Backcountry Avalanche Risk Review," 30 June 2003.
 "Smart Regulation and Risk Management," November 2003, prepared for the Privy Council Office, Government of Canada.
41. "The Case for Mandatory Labeling of GM Foods," November 2003, prepared for the Consumers' Association of Canada.
- 40 "The Risk-based Approach to Long-term Management of High-level Nuclear Waste in Canada," October 2003, prepared for the Nuclear Waste Management Organization.

- 39 "Final Report of the Task Force on Public Participation," for Canadian Blood Services, with T. Plumptre and H. Segal (November 2000).
- 38 "The Place of Cost and Cost-Effectiveness in the Precautionary Approach," for Natural Resources Canada (September 2000).
- 37 "Development of a Health Canada Policy Framework for the Management of Global Climate Change Issues," for Health Canada, April 2000 (with P. Crabbé, D. Krewski, J. Bruce, I. Burton, and J. Eyles).
- 36 "ARET Voluntary Codes Project" for Industry Canada (June 1997).
- 35 "From the new CEPA to the next CEPA: A Managerial Ethic for Environmental Protection" for Environmental Technology Advancement Directorate, Environment Canada (1997).
- 34 "Expert Panels: Guide for Administrative Units," the Royal Society of Canada (October 1996).
- 33 "Environment 2010" for Planning and Coordination Branch, Policy and Communications, Environment Canada (August 1996).
- 32 "Conducting Expert Panel Processes: Manual of Procedural Guidelines", the Royal Society of Canada (June 1996).
- 31 "Lessons Learned from ARET: A Qualitative Survey of Perceptions of Stakeholders" for Environment Canada (Final Report, June 1996).
- 30 "A Policy Analysis of Tobacco Control Initiatives." Health Canada, December 1995.
- 29 "Feasibility Study on Expert Panels: Credibility in Risk-based Decision Making." (With John Cairney.) August, 1995.
- 28 "Chlorine and Pulp Mill Effluent Regulation." (With Tony Farrell.) A Report for the Office of the Science Advisor, Environment Canada, 1993.
- 27 "Multi-Stakeholder Negotiation in Environmental Controversies: The Case of the British Columbia Wood Products Industry." Documentary Report, Institute for Risk Research, University of Waterloo, 1992, 129pp.
- 26 "Guide to Consultation Processes." A Report for the Pesticides Directorate, Agriculture Canada, Ottawa. August, 1991.
- 25 "Coordinating Environmental Research in Canada." Report for the Office of the Science Advisor, Environment Canada. Part I, 1991 (with Richard Smith); Part II, 1992 (with Art Collin).
- 24 "Assessment of the Departmental Pesticides Program." A Report for Environment Canada, Ottawa. March, 1990.

- 23 "Ongoing Review Mechanisms for Pest Management in Canada." A Report for the Pesticides Registration Review, Ottawa. February, 1990.
- 22 "A Report on the Literature on Health Hazard Warnings." For the Tobacco Products Unit, Health and Welfare Canada, Ottawa. February, 1990.
- 21 "Risk Assessment and Risk Management Models." A Report for the Pesticides Registration Review, Ottawa. September, 1989.
- 20 "Regulatory Compliance Mechanisms: A Report for the Patented Medicines Prices Review Board." July, 1989. (With L. Salter.)
19. "The Nature and Uses of Imagery in National Consumer Product Advertising, with special reference to Tobacco Product Advertising." Expert Witness Statement for Health and Welfare Canada, May 1989.
- 18 "Report on the Effectiveness of the Counter Attack Program's TV Announcements." B. C. Ministry of Labour and Consumer Services, March 1989. (With G. Gorn.)
- 17 "Review of Risk Communication Practices in the Health Protection Branch." Health and Welfare Canada, March 1989.
- 16 "Guide to Consultation and Consensus Building." A Report for the Canadian Centre for Management Development. March, 1989. (With L. Salter.)
- 15 "Feasibility Study for Health Warnings on Tobacco Packages." Health and Welfare Canada, 1988. (With G. Gorn and R. Pollay.)
- 14 "Submissions from Canadian Businesses on the R & D Tax Incentive (1984-1987)." Revenue Canada - Taxation, March 1988.
- 13 "Media Assessment Criteria." Parts I-IV. Insurance Corporation of British Columbia, Vancouver, May - December, 1987, (Project Director).
- 12 "Toxic Chemicals Management in the Prairies." Environment Canada, Western and Northern Region, May 1987.
- 11 "Technical Guidelines for Regulation 2900." Revenue Canada - Taxation, Ottawa, June 1986. (With J.R. Roberts.)
- 10 "The Risk Management Process." Agriculture Canada, Ottawa, October 1985.
- 9 "Consultative Processes in Risk Management Decision-Making." Agriculture Canada, National Workshop on Risk-Benefit Analysis in Regulatory Decision-making, Ottawa, March 1985.

- 8 "The Role of Environment Canada in Pesticides Evaluation and Registration." Environment Canada, Ottawa, August 1984.
- 7 "Risk Benefit Analysis in the Management of Toxic Chemicals." Interdepartmental Committee on Toxic Chemicals, Ottawa, July 1984.
- 6 "Reorganization of Agriculture Canada's Pesticides Directorate." Agriculture Canada, Ottawa, June 1984.
- 5 "Consultation on the Assessment and Registration of Pesticides." Agriculture Canada, Ottawa, April 1984. (With L. Salter.)
- 4 "Values versus Demands: Principles of a Conservation Ethic for Long-Range Planning." Royal Commission on Electric Power Planning, Ontario, 1979.
- 3 "Quality of Life and Energy Conservation." Royal Commission on Electric Power Planning, Ontario, 1977.
- 2 "Advertising, Human Needs and Resource Conservation." Department of Consumer and Corporate Affairs, Ottawa, 1976. (With S. Kline, A. Hackman, and J. Wright.)
- 1 "The Problem of Human Needs in the Consumer Society." Science Council of Canada, 1975. German translation, "Die Grenzen der Bedürfnisbefriedigung," in *Technologie und Politik*, No. 12 (November 1978), p. 128.

XIV. OTHER ACTIVITIES:

Media Presentations:

- *Mad Cows and Mother's Milk* -- several newspaper, radio, and television interviews held throughout 1997 and 2003
- Royal Society of Canada, *Expert Panel on Health Canada Primate Breeding Colony* -- several newspaper, radio, and television interviews held throughout summer/fall 1997, in conjunction with a national news conference (November 1997)
- Half-hour TV interview with Richard Gwyn for TV Ontario's "Realities" series; filmed May 1985; broadcast in Ontario and B. C.
- Half-hour CBC radio interview by Vicki Gaborow (with Doug Powell) on *Mad Cows and Mother's Milk*; February 1997

Principal Invited Participant at International Conferences (see also Section XVIII):

- Conference on Risk Communication, OECD, Berlin, September 2000
- Conference on Risk Management, European Commission, Brussels, July 2000
- Conference on Statistics, Science and Public Policy (Herstmonceux, UK) 1996, 1998
- Standards and Innovation, SPRU (University of Sussex), November 1993
- The Intellectual Legacy of C.B. Macpherson, Toronto, October 1989.
- International Conference on Traffic Safety, Vancouver, August 1988.

- 6th International Conference on Forecasting and Analysis for Business Planning in the Information Age, Tokyo, December 1986.
- Conference on Economic Growth and the Role of Science, Stockholm University, August 1983.
- International Seminar on Representation, Lyon (France), 1982, Montreal, 1983.
- Consumers' Influence on Public and Private Consumer Policy, Sweden, 1982.
- Scientific Culture in the Contemporary World, Milan, Italy, 1980.
- Shaping the Future: Canada in the Global Society, Ottawa, 1978.
- Conference on Progress and the Domination of Nature, College of Cape Breton, 1977.
- Conference on Technology and Communist Culture, Rockefeller Conference Centre, Bellagio (Como), Italy, 1975.
- Conference on the Rights of Nonhuman Nature, The Claremont Colleges, 1973.

Guest Lectures and Seminars since 1995: See Section XVIII

Example: Health and Environmental Risk Management, Queen's Public Executive Program, Queen's School of Business, twice annually, 2003-2010

II. Other Academic Activities

XV. COURSES TAUGHT 1968-PRESENT:

University of Calgary, Haskayne School of Business:

2009: PhD Seminar (with Harrie Vredenburg).

1999-2006: MBA Course, "Managing Social and Environmental Issues in the Global Marketplace" (with Harrie Vredenburg).

Queen's University, 1994-2007:

Graduate: Seminar in Environmental Policy; Health and Environmental Risk Management

Simon Fraser University, 1980-1993:

Undergraduate:

The Information Society.
Advertising as Social Communication.
Cultural Dimensions in Advertising.
Risk Communication.

Graduate:

Critical Theory of Communication.

The Social Matrix of Communication.
Thesis Seminar.

York University, 1973-1975 and 1976-1979:

Faculty of Environmental Studies (master's degree program):

Politics of Environment.

The Consumer and the Conserver Society.

Technology and Society.

Cultural and Historical Perspectives on Man/Environment.

Department of Political Science:

Social Theory and Social Policy (Graduate).

Critical Theory (Graduate Program in Social and Political Thought).

College Tutorial (Undergraduate):

Environmental Awareness.

University of Toronto, 1975-1976:

Undergraduate:

Introduction to Sociology.

Technology and Society.

Graduate:

Critical Theory.

University of Regina, 1968-1973:

Department of Political Science:

Introduction to Political Theory (Undergraduate).

XVI. GRADUATE STUDENT SUPERVISION:

Postdoctoral Fellows:

University of Ottawa, 2005: Michael G. Tyshenko

University of Calgary, 2002-3: Stephen Hill

Queen's University, 1995-1999: Éric Darier, Michael Mehta, Deborah Vannijnatten

Ph.D:

Ph.D. Students, Supervisory

Thesis Title

Date

1980-present

Role

Completed

Cook, Peter	Senior Supervisor	The Informed Citizen: Technology and Responsibility in the Information Age	89-1
Jhally, Sut	Senior Supervisor	The Codes of Advertising: Fetishism and Context of Meaning in Modern Society	84-3
Mansell, Robin	Committee Member	Industrial Strategies and the	84-1

Communication/Information Sector:
An Analysis of Contradictions in
Canadian Policy and Performance

McNulty, Jean	Senior Supervisor	Broadcasting Policy in the Canadian Context	86-2
Smith, Richard	Committee Member	The Innovation Process for Services: Telecommunications Industry Cases	94-2
Milly, Pascal	Senior Supervisor	Risk Communication: The PCB Case	94-3
Walker, Lori	Senior Supervisor	The Social Marketing Approach to Risk Communication	97-8
Onufrijchuk, Roman	Senior Supervisor	McLuhan and Material Culture	97-10
Petersen, Henry	Supervisory Committee (University of Calgary)		
Bertels, Stephanie	Supervisory Committee (University of Calgary)		

M.A.:

<u>M.A. Students</u>	<u>Supervisory Role</u>	<u>Thesis Title</u>	<u>Date Completed</u>
Chociolko, Christina	Senior Supervisor	"Expert Disagreement: A Regulator's Nightmare?"	91-3
Harding, Ruth	Senior Supervisor	Application of Risk Management to Disaster Preparedness	94-2
Massey, Christine	Senior Supervisor	The Reproductive Technologies Commission	94-2
Onufrijchuk, Roman	Senior Supervisor	"From fetish to fashion: Communication and instrumental aesthetics"	84-1
Shwetz, Arlene	Senior Supervisor	"Campaign by commercial: a study of advertising strategy as reflected in political advertising broadcast during the 1988 Canadian general election"	90-3
Walker, Lori	Senior Supervisor	"The consumption of ads: A pragmatic approach to the use of	89-1

television advertising"

Yonin, Lori	Senior Supervisor	Market Research in Politics: An Historical and Contemporary Overview of Its Use in American and Canadian Election Campaigns	93-1
-------------	-------------------	---	------

XVII. EXTERNAL GRANTS AND CONTRACTS SINCE 1990:

1990	Health & Welfare Canada Contract: Short Course on Risk Management	29,000
	Environment Canada Contract: Potential Institutional Arrangements for Ecosystem Research	10,075
	SCBC Contract: Background Research for the Intellectual Property Rights Workshop	3,300
	SSHRC Research Grant: Marshall McLuhan Study	13,100
1991	Occupational Exposure Study Protocol Grant: 17 Chemical Firms @ 5,000 each (Canada, U.S., & Europe)	85,000
	Environment Canada Contract: Tripartite Funding Model for Environmental Research	16,021
	Canadian Public Health Association Contract	11,000
	SSHRC Research Grant: Applied Risk Communication: Consensus Building in Environmental Controversies	21,000
	SSHRC Strategic Grant: The Flow of Science into Public Policy - Case Studies from Environment Canada	46,500
	Health & Welfare Canada: Risk Management Short Course	30,000
1992	Institute for Risk Research, U. of Waterloo: Risk Factors surrounding transplacental and breastfeeding exposure to dioxins, furans and PCBs	6,000
	SSHRC: Applied Risk Communication: Consensus Building in Environmental Controversies	21,000
	Health and Welfare Canada Contract: Guidelines on Communication of Environmental Health Risks	7,500
	Environment Canada Contract: Workshop on Flow of Science into Public Policy	8,400
	Environment Canada Contract: Workshop on Tripartite Funding	9,450
	Health and Welfare Canada Contract: Risk Perception of health hazards	18,550
	SSHRC: The Flow of Science into Public Policy: Case Studies from Environment Canada	51,500
1993	SSHRC: Applied Risk Communication: Consensus-Building in Environmental Controversies	21,000
	SSHRC: The Flow of Science into Public Policy: Case Studies from Environment Canada	27,000

1994	SSHRC: Case Studies in Risk Communication	38,000
	Tri-Council Secretariat and Imperial Oil Ltd: Environmental Policy	260,000
1995	Tri-Council Secretariat and Imperial Oil Ltd: Environmental Policy	260,000
	SSHRC: Case Studies in Risk Communication	20,000
	Canadian Chemical Producers' Association	12,500
1996	Tri-Council Secretariat and Imperial Oil Ltd: Environmental Policy	260,000
	Maxwell School, Syracuse University	55,000
	Environment Canada, ARET Secretariat	25,000
1997	Tri-Council Secretariat and Imperial Oil Ltd: Environmental Policy	260,000
1998	Tri-Council Secretariat and Imperial Oil Ltd: Environmental Policy	260,000
1999	NSERC/SSHRC Industrial Research Chair, University of Calgary: Management and Communication of Risk as a Public Policy Issue	248,000
2000	NSERC/SSHRC Industrial Research Chair, University of Calgary: Management and Communication of Risk as a Public Policy Issue	248,000
2001	NSERC/SSHRC Industrial Research Chair, University of Calgary: Management and Communication of Risk as a Public Policy Issue	248,000
	SSHRC Research Grant, "Pushing the Boundaries of Resource-based Industries" (with H. Vredenburg, PI, and F. Westley)	98,000
2002	NSERC/SSHRC Industrial Research Chair, University of Calgary: Management and Communication of Risk as a Public Policy Issue	248,000
	UWO, Institute for Catastrophic Loss Reduction, "A Decision Support Tool for Disaster Risk Management (S. Simonovic, PI)	15,000
2003	NSERC/SSHRC Industrial Research Chair, University of Calgary: Management and Communication of Risk as a Public Policy Issue	248,000
2004	NCE funding and contract research projects through the McLaughlin Centre, University of Ottawa	

XVIII: INVITED LECTURES & SEMINAR PRESENTATIONS:

1995

- "Priority-setting", Ontario Ministry of Environment and Energy, Toronto (Jan.)
- Training Workshop on Risk Communication, Edmonton Power, Edmonton (Feb.)
- "Credibility in risk-based decision making", The Friday Group, Ottawa (Mar.)

- "The domination of nature", Department of Philosophy colloquium, Queen's (Mar.)
- "Environmental Policy", Annual Policy Forum, School of Policy Studies, Queen's (Apr.)
- "Risk Communication", Canadian Chlorine Coordinating Committee, Toronto (Apr.)
- "Intergovernmental Relations and Risk Management", International Conference on the St. Lawrence Ecosystem, Cornwall, Ont. (May)
- "Roundtable on Tobacco Control Policy", 2nd annual conference of the Ontario Tobacco Research Unit, Toronto (May)
- "The Stages of Advertising Imagery", Lintas Copenhagen conference, Denmark (May)
- "Credibility in risk-based decision making", National Advisory Panel of the Canadian Chemical Producers' Assn., Toronto (May)
- "Risk Management", Environmental Studies Assn. of Canada annual conference, Montreal (June)
- "Three Stages in Risk Communication", Workshop on Risk Management, The Kennedy School, Harvard University (June)
- "Science and Sustainable Development", LEAD Canada, Ottawa (July)
- Workshop on Phase II of Sustainable Care, Canadian Chemical Producers' Assn., Toronto (July)
- International Workshop on the role and impact of science and technology in innovation and regional economic development, UBC, Vancouver (Aug.)
- "Stakeholder Negotiation", Forest Pest Management Institute, Thunder Bay, Ont. (Sept.)
- "Stakeholder Negotiation", Queen's Policy Forum, Ottawa (Oct.)
- "Risk Communication", Queen's University Faculty of Education (Oct.)
- "Risk Analysis", Queen's University Faculty of Environmental Science (Oct. and Nov.)
- "Risk Management", Queen's University Department of Chemistry (Nov.)
- "Governance and the Environment", Bell Papers Conference, Queen's University (Nov.)

1996

- "The Federal Government Role in Environmental Management", Federal/Provincial Relations Branch, Policy and Communications, Environment Canada, Ottawa (Jan.)
- "Risk Communication as a Factor in the Management of Technological Change", Institute for Risk Research, University of Waterloo (Feb.)
- "Criteria for the Acceptability of the Waste Disposal Concept", Nuclear Fuel Waste Environmental Assessment Panel Public Hearings, Toronto (March)
- "The Perils of Poor Risk Management", Conference on Statistics, Science and Public Policy, Queen's University International Study Centre, Herstmonceux Castle, UK (April)
- "Risk and Responsibility", Symposium - High Voltage Power Lines: A Health Risk?, Reggio Emilia, Italy (April)
- "Message Design Principles for Effective Risk Communication", and "Three Phases in the Evolution of Risk Communication Practice", seminar presentations at "Comunicazione del rischio per la salute di origine ambientale", Ravenna, Italy (April)
- "Environmental Risk Management, with a case study of Pulp Mill Effluent Regulation", Conference - Toward the Sustainable Corporation: Environmental Management and Accounting Perspectives, Alberta (May)
- Participant in 1996 Eco-Research Workshop, Quebec City (May)
- "Risk Communication", Environmental Risk Management Short Course, Institute for Risk Research, University of Waterloo (May)
- "Risk Communication", Health Canada, Product Safety Bureau Training Course, Cornwall (June)

- “The Perils of Poor Risk Communication”, Pan Pacific Hazards ‘96 Conference, Vancouver (July)
- Workshop participant in “Soil and Groundwater Management Strategy for TEDCO Lands”, Waterfront Regeneration Trust, Toronto (August)
- Presentation on ARET at Industry Canada workshop, “Exploring Voluntary Codes and Their Role in the Marketplace”, Ottawa (September)
- Speaker at SSHRCC Strategic Grants workshop, Queen’s University (September)
- “Mad Cows and Mother’s Milk”, a public lecture as part of Queen’s University’s *Research at Work* series (October)
- “Proactive (‘Voluntary’) Pollution Prevention, Priority-Setting, and the Precautionary Principle: A Managerial Ethic for Environmental Protection”, a presentation to the University of Calgary Faculty of Management *Research Seminar Series*, Calgary (Nov.)
- “What is Good Risk Communication Practice? Lessons from Recent Cases and Controversies”, presentations to Canadian Forest Service Regional Consultations on Biotechnology, Saulte Ste. Marie and Fredericton (December)

1997

- “What is Good Risk Communication Practice? Lessons from Recent Cases and Controversies”, presentations to Canadian Forest Service Regional Consultations on Biotechnology, Victoria (February)
- “Mad Cows and Mother’s Milk: Case Studies in Risk Communication Failures”, presentation to the Queen’s University *Friends of the History of Medicine, Science and Technology* Meeting (February)
- “Dioxins or Chemical Stigmata”, a presentation to the Annenberg Conference on *Risk, Media, and Stigma*, Philadelphia, PA (March)
- “Mad Cows and Mother’s Milk”, a talk to the Royal Society of Canada’s Queen’s University symposium (April)
- “What is Good Risk Communication Practice?” Breakfast speaker to The Environmental Management, Accounting and Reporting Interest Group of Alberta, Calgary (April)
- Moderator, Panel on Asbestos Risk, and Chair, Conference on Statistics, Science and Public Policy, *Hazards and Risks*, Queen’s University (April)
- “What is Good Risk Communication Practice?” a talk for the Canadian Registration Board of Occupational Hygienists - Annual Meeting, *The Occupational-Environmental Interface*, Queen’s University (June)
- “Mad Cows and Mother’s Milk”, a presentation at the Society for Risk Analysis-Europe Conference, *New Risk Frontiers*, Stockholm, Sweden (June)
- Seminar on Risk Communication given at the Centre for the Study of Environmental Change, Lancaster University, UK (June)
- “What Does Communications Research Tell Us?”, a presentation at the Drug Information Association - Annual Meeting, Montreal (June)
- Fall 1997 Telus Lectures, *Telus Distinguished Visitors Program*, University of Calgary, “Communicating about Risks”:
 - Lecture #1: “The Nature of Risk Communication Failures”
 - Lecture #2: “Dioxin, a Notorious Case of Risk Communication Failure”
 - Lecture #3: “Genetic Engineering, a Risk Communication Challenge”
 - Lecture #4: “What is Good Risk Communication Practice?”

- “Risk Communication as a Factor in the Commercial Viability of Technological Innovation”, presentation to the University of Calgary Faculty of Management (November)
- “Genetic Engineering, a Risk Communication Challenge”, presentation at a Symposium for the Official Opening of the Biosciences Complex, Queen’s University (November)
- “Dioxin and Endocrine Disruptors: Risk Communication Failures, Past, Present and Future”, a presentation to the Chemical Manufacturers Association, *Canadian Seminar on Nonylphenol Ethoxylates*, Toronto (December)

1998

- “4 Ps for Environmental Protection: A Synthesis in the Form of a Managerial Ethic for Environmental Protection”, a presentation to the Canadian Pulp and Paper Association’s Annual PaperWeek, *Environment/Forestry Open Forum*, Montreal (January)
- “Risk Communication: Endocrine Modulating Substances”, a presentation to the Canadian Chemical Producers’ Association, Toronto (February)
- “Risk Communication”, a luncheon presentation to TELUS Corporate Communications Group, Calgary (February)
- “Environmental Management and Communication”, a short-course given for Eco-Research Chair Program Sponsors (with Steve Hrudehy, University of Alberta), Edmonton (February)
- “Genetic Engineering, a Risk Communication Challenge”, presentation as part of the School of Policy Studies *Friday Lecture Series*, Queen’s University (March)
- “Risk Communication”, a short-course on Environmental Risk Assessment and Management, McMaster University, Hamilton (April)
- “Risk Controversy on the Internet”, a presentation at the *Conference on Statistics, Science and Public Policy: Science and the Public Trust* at Herstmonceux Castle, UK (April)
- “Genetic Engineering, a Risk Communication Challenge”, a presentation at the Institute for Risk Research, Vienna, Austria (April)
- “Concepts, strategies and funding needs of *GenCom* as an EU-based initiative”, a seminar at the Institute for Risk Research, Vienna, Austria (April)
- “What is Good Risk Communication Practice?”, a workshop for the Canadian Pharmacoepidemiology Forum, Ottawa (April)
- “Beyond Financial Risk Management for Small and Mid-sized Businesses”, a session on Risk Communication prepared for the Toronto Board of Trade, Toronto (May)
- “A Managerial Ethic for Environmental Protection”, a presentation to the Canadian Petroleum Products Institute *Pollution Prevention Workshop*, Nottawasaga Inn, Ont. (May)
- Short Course on Risk Management, Office of the Auditor-General of Canada, Ottawa (May)
- “Mad Cows and Mother’s Milk,” SSFC Book Fair, Learned Societies Meetings, Ottawa (June)
- “A Managerial Ethic for Environmental Protection,” University of Calgary, Faculty of Management, Environmental Accounting Conference, Banff (June)
- Panel on Risk Communication, Annual Conference, International Technology Association for Health Care, Ottawa (June)
- “Risk Management and the Communication of Risk,” Canadian Centre for Management Development, Ottawa (June)
- “Risk Communication Project for Endocrine Modulators,” Canadian Chlorine Coordinating Committee, Ghost River Crossing, Alberta (August)
- “Radio-frequency Fields,” WHO International Conference on Risk Communication for EMF,” Ottawa (September)

- “Science/Policy Interface,” Conference on Science and Government, Ottawa (October)
- Presentation on Expert Panel Processes, Expert Panel on the Commercialization of University Research, Industry Canada, Ottawa (October)
- “Radio-frequency Fields: A Canadian Controversy,” Conference on EMF Risk, University of Vienna (October)

1999

- January 22: Seminar, “The Climate Change Policy Mess,” Program in Environmental Management & Sustainable Development, Faculty of Management, U. of Calgary
- February 2: Lecture, “Risk Controversies and the Role of Risk Communication,” Communication Studies, University of Calgary (live interactive videoconferencing to five other university sites)
- February 4: Seminar, “Risk Dialogue Projects,” DuPont Canada, Kingston
- February 4-5: Short Course, Workshop on Risk Management for Federal ADMs, Privy Council Office, Ottawa [2 sessions] (with W. Stanbury, UBC)
- February 8: Lecture, “The Nature of Risk Communication Failures,” RMIN 559, Selected Topics in Insurance and Risk Management, University of Calgary, Faculty of Management
- February 10: Lecture, “What is Good Risk Communication Practice?” RMIN 559, Selected Topics in Insurance and Risk Management, University of Calgary, Faculty of Management
- February 17: Lecture, “Using Expert Panels in Risk Controversies,” Faculty of Law, University of Victoria
- February 23: Lecture, “The Science/Policy Interface in Risk Management,” Seminar on Sustainable Development, Faculty of Environmental Design, University of Calgary
- February 24: Lecture at the Petroleum Club, “Risk Management,” Business Partnership Committee, Faculty of Management, University of Calgary
- March 11: PRIME Lecture, “Risk Controversies: The Case of Radio-frequency Fields,” Faculty of Administration, University of Ottawa
- March 16: Inaugural Chair Lecture, “Risky Technologies and Public Concerns: Of Chemicals, Climate Change, and Cloning,” University of Calgary
- March 18: Presentation on BIOCAP Canada, Alberta Chamber of Resources, Calgary
- May 1: Panelist, “Risk Management at the Science/Policy Interface,” School of Policy Studies, Queen’s University
- May 6: Conference Presentation, “The Chair Program in Risk Communication & Public Policy,” Technology and Innovation Management Association, Banff
- May 11: Conference Presentation, “Public Participation in a Multi-stakeholder Process,” Second International Symposium on Ionizing Radiation: Environmental Protection Approaches for Nuclear Facilities,” Ottawa
- June 7: Public Lecture, “Risky Technologies and Public Concerns,” OLADE Project, University of Calgary
- July 30: Conference Presentation, “Risk Issues in Radio-frequency fields,” World Congress on Breast Cancer, Ottawa
- August 4: Presentation, “Update on Chair Program,” Canadian Chlorine Coordinating Committee, Annual Meeting at Ghost River Crossing, Alberta
- August 26: Presentation, “The Canadian Environmental Protection Act,” Senate of Canada, Standing Committee on Energy, the Environment & Sustainable Development, Ottawa

- September 4: Conference Presentation, "Looking for the Public Policy Significance of the Risk Amplification Model," Cumberland Lodge, Windsor, UK
- September 27: Conference Presentation, "Using Expert Panels in Risk Controversies," Workshop on Environmental Objectives, Ann Arbor, Mich.
- October 1: Public Lecture, "Risky Technologies and Public Concerns," Annual Meeting, Western Deans of Arts and Science, The Banff Centre
- October 12: Conference Presentation, "Radio-frequency Fields and Wireless Telecommunications," Annual Meeting, Society for Risk Analysis – Europe, Rotterdam, Holland
- October 27: Presentation, "Update on BIOCAP Canada," CO₂ Synergies Research Network, Calgary
- November 22: "The Science/Policy Interface in Climate Change Issues," Industry Canada workshop, Ottawa
- November 25: "The Relation between Science and Policy in Government," National Policy Research Conference, Ottawa
- November 26: "Risk Issue Management," Risk and Insurance Management Program, University of Calgary
- December 12: "The Trouble with Science," Canadian Society of Plant Physiologists, Kingston

2000

- February 7: "Agriculture and Climate Change," Agriculture and Agri-Food Canada, Ottawa
- February 23-25: "Why is Environmental Management so difficult?" Invited Participant, Seminar on Canadian Environmental Policy, Sookmyung University, Seoul
- February 29: Guest Lecture, Faculty of General Studies, U of Calgary, "Science Policy and Technology Development."
- March 3: Guest Seminar, Department of Community Health Sciences, Faculty of Medicine, U of Calgary, "Risk Perception and Communication."
- March 7: Guest Lecture, "Risk Issue Management," Department of Community Health, Faculty of Medicine, University of Ottawa.
- March 21: Guest Seminar, "Climate Change and the Biosphere," Sustainable Development graduate course, Faculty of Environmental Design, U of Calgary
- March 22: Guest Lecture, "Public Controversy over GM Foods," Canadian Association of Retired Persons, Calgary Chapter
- March 24: Guest Lecture, "Risk Issue Management," Alberta Energy & Utilities Board, Calgary
- April 9: One-day Short Course on Risk Communication for the Canadian Institute of Public Health Inspectors (CIPHI), Vancouver, BC (with Prof. S. E. Hrudey, University of Alberta)
- April 10: Two lectures on risk controversies (radio-frequency fields, genetically-modified foods) to the CIPHI Annual Conference, Vancouver, BC
- May 28: "Risk Issue Management," Invited Lecture, Annual Conference of the Chemical Institute of Canada, Calgary
- June 12: "The National Academies of Canada," Invited Presentation, NSERC Council, Ottawa.
- June 13: Invited Speaker, "Risk Issue Management," McGill-McConnell Program, Master of Management for National Voluntary Sector Leaders, Hotel Mont Gabriel, Ste Adele, QC
- June 16: Invited Speaker, "Risk Communication," Annual General Meeting, Canadian Chemical Producers' Association, Kananaskis, Alberta
- June 17: "The National Academies of Canada," Invited Presentation, SSHRC Council, Ottawa.

- July 18-19: Invited Speaker, "Effective Risk Communication," International Conference: Risk Analysis and its Role in the European Union, Brussels
- September 18-20: Invited Speaker and Conference Chair, "Effective Risk Communication for Chemical Risk Management," OECD Environment Directorate, Berlin
- September 22-23: Invited Speaker, "The Trouble with Science," Biotechnology in the Global Economy: Science and the Precautionary Principle, Center for International Development, Kennedy School of Government, Harvard University, Cambridge, Mass.
- October 12-14: Invited Speaker and Discussant, "Science, Law, and 'Moral Risks': Do we need a gene law?" Annual Conference, Canadian Institute for the Administration of Justice, Victoria, BC
- October 20-21: Invited Speaker and Plenary Discussant, "The Trouble with Technology: Public Controversy over GM Foods," Alumni Homecoming Conference 2000, Faculty of Management, University of Calgary
- November 2-4: Conference Rapporteur, "Governing Food: Science, Safety and Trade," The Canada – UK Colloquium, Queen's University and the University of Saskatchewan, Saskatoon
- November 4: "The National Academies of Canada," remarks delivered to a gathering of Fellows of The Royal Society of Canada, President's Residence, University of Saskatchewan
- November 7: Invited Keynote Speaker, "International Risk Controversies," OLADE Program Meeting, Faculty of Management, University of Calgary
- November 18: Invited Speaker, "Down the Road towards Moral Risks," Science and Ethics: A Symposium of The Royal Society of Canada, Ottawa
- November 24: Invited Speaker, "Risk Issue Management: A new approach to risk controversies," Policy Seminar Series, Environment Canada, Hull, QC

2001

Summary of Year 2001 Invited Presentations or Participation (total 16):

Four international presentations;
Two presentations in Alberta;
Ten presentations elsewhere in Canada.

(1) January 04:

Address, "Risk Communication," The Southern Alberta Risk and Insurance Management Society (SARIMS), Calgary

(2) January 11:

Participant, "Life Sciences and Public Policy Symposium," Institute on Governance, Ottawa

(3) January 19:

Chair Program Presentation, Research Meeting, Canadian Chlorine Coordinating Committee, Toronto

(4) March 15:

Public Lecture (Priestley Lecturer), "Climate Change," University of Lethbridge, Alberta

(5) April 23:

Lecture, "Risk Issue Management," MBA Program in Science and Technology, Queen's University, Kingston

(6) May 25:

Conference Presentation, "The Public Controversy over Genetically Modified Foods," Society for Risk Analysis – Europe, Lisbon

(7) June 06:

Lecture, "Risk Controversies," Safety Health and Environment Professionals, DuPont Inc.,
Wilmington, Delaware
(8) September 5-7:
Conference Presentation, "The Governance of Knowledge," Kulturwissenschaftliches Institut, Essen,
Germany
(9) September 14:
Public Lecture, "Risk Controversies," Program in Later Life Learning, Kingston, Ont.
(10) September 22:
Presentation, "The Role of National Academies," Annual Meeting of the Canadian Institute of
Academic Medicine, Ottawa
(11) October 1:
"Risk Controversies," Queen's School of Business, Public Executive Program
(12) October 24-26:
Conference, "Critical Theory of Technology and Nature", Institut für Philosophie, Technische
Universität Darmstadt, Darmstadt, Germany
(13) November 15:
"Risk Controversies," Canadian Agri-Food Research Council, Ottawa
(14) November 20:
"Risk Controversies," Sharma Lecture, University of Waterloo
(15) December 6:
"Risk Controversies as a Public Policy Problem," Board of Directors, Institute for Research on Public
Policy, Montreal
(16) December 14:
"Catastrophic Risks," University of Alberta, Department of Sociology

2002

Summary of Year 2002 Invited Presentations or Participation (total 29):

Eight international meetings/presentations;
Twenty-one meetings/presentations in Canada.

(1) January 09:
Lecture, "Catastrophic Risks," NSERC Staff Symposium, Ottawa

(2) January 16:
Public Lecture, "Risk Assessment of Genetically-modified Foods," University of Saskatchewan,
Saskatoon

(3) January 24:
Chair Program Presentation, Research Meeting, Canadian Chlorine Coordinating Committee,
Toronto

(4) January 25:
Lecture/Discussion, "In the Chamber of Risks," Queen's Public Executive Program, Queen's School
of Business, Kingston

(5) February 26:

Lecture/Discussion, "In the Chamber of Risks," Conference Board of Canada, Risk Management Workshop, Toronto

(6) March 04:

Lecture/Discussion, "In the Chamber of Risks," Environment Canada, Ottawa

(7) March 11:

Lecture, "The Nature of Risk Communication Failures," RMIN 559, Selected Topics in Insurance and Risk Management, University of Calgary

(8) March 13:

Lecture, "What is Good Risk Communication Practice?" RMIN 559, Selected Topics in Insurance and Risk Management, University of Calgary

(9) March 26:

Lecture/Discussion, "In the Chamber of Risks," University of Ottawa, Faculty of Medicine

(10) April 11-12:

Panel Member, US National Academy of Sciences, Evaluation of NARSTO Risk Assessment of Airborne Particulate Matter, Washington

(11) April 18:

Lecture, "Climate Change as a Public Policy Issue," Conference on Statistics, Science and Public Policy, Queen's University, Herstmonceux Castle, UK

(12) May 9-10:

Conference on Science and Security, Royal Society of Canada, Ottawa (conference organizer)

(13) May 13:

Panel Member, US National Academy of Sciences, Evaluation of NARSTO Risk Assessment of Airborne Particulate Matter, Toronto

(14) June 15:

Lecture, "Catastrophic Risks," Canadian Federation of Biological Sciences, Annual Meeting, Montreal

(15) June 20-21:

Panel Member, US National Academy of Sciences, Evaluation of NARSTO Risk Assessment of Airborne Particulate Matter, Mexico

(16) July 10-11:

Invited Professor, Program on Risk Management, Summer Academy, University of Graz, Austria

(17) July 22-24:

Participant, Annual Conference, Society for Risk Analysis – Europe, Berlin

(18) August 7-8:

Annual Meeting, Canadian Chlorine Coordinating Committee, Ghost River, Alberta

(19) September 13:
Lecture/Discussion, "The Kyoto Kerfuffle," Queen's School of Business, Public Executive Program, Kingston

(20) September 17:
Lecture/Discussion, "Risk Controversies," AQUANET Conference, Moncton

(21) September 24:
Lecture/Discussion, "Risk Controversies," Risk and Insurance Management Society Conference, Saskatoon

(22) September 27:
Lecture/Discussion, "Communicating in Risk Controversies about Chemicals, CCSPA Annual Conference, Collingwood, ON

(23) October 3:
"The Canadian Academies of Science," Presentation to the federal Council of Science and Technology Advisors, Ottawa

(24) October 15:
Short Course on Risk Communication, Government of Ontario, Toronto

(25) October 23-25:
"Risk," Annual Policy Research Conference, Ottawa (advisor on conference program)

(26) October 30-31:
Invited Participant, "Riskworld 2020" Scenarios Workshop, Shell International Ltd., UK

(27) November 11-13:
Conference, Research Agenda for the Sixth Framework Program, EU, Brussels

(28) November 25:
"Risk Controversies," Dow Chemical Co., Midland, Mich.

(29) December 3:
"Kyoto: The Citizen's Dilemma," Alberta Ingenuity Fund Workshop, Edmonton

2003

Summary of Year 2003 Invited Presentations or Participation (total 31):

Four international meetings/presentations;

Twenty-seven meetings/presentations in Canada.

(1) January 23:
Lecture/Discussion, "The Kyoto Kerfuffle," Queen's School of Business, Public Executive Program, Kingston

- (2) January 24:
Lecture, "Risk Communication," Conference Board of Canada, Business Network on the Environment, Banff
- (3) February 6:
"The Idea of Risk and its Relevance to Genomics," Genome Canada, GELS Conference, Montreal
- (4) February 17:
"Kyoto: The Citizen's Dilemma," Malaspina College, Nanaimo, BC
- (5) February 20:
"Kyoto: The Citizen's Dilemma," Sociology Department, University of Calgary
- (6) February 27-28:
Short Course on Risk Communication, Health Canada, 2 days, Ottawa (Course Director and Speaker)
- (7) March 3:
"National Styles in Risk Management," Colloque sur la gestion des risques, Ministère du Conseil executive, Gouvernement of Québec, Québec City
- (8) March 20:
Senior Management Training Seminar in Risk Communication, Health Canada, 1 day (course director and sole speaker)
- (9) March 26:
"Risk Issue Management," presentation to the IPAC/IAPC Calgary Chapter, University of Calgary
- (10) April 4:
"Kyoto: The Citizen's Dilemma," Conference on Science, Values and Public Policy, Wilfrid Laurier University, Brantford
- (11) April 14:
Panel Member, NSERC/SSHRC Consultation on a joint initiative in the area of science, technology, and society
- (12) May 12-13:
Short Course on Risk Communication, Health Canada, 2 days, Ottawa (Course Director and Speaker)
- (13) May - June:
Consultant to Parks Canada, Banff, on risk communication for backcountry avalanche risk
- (14) May 14:
"Risk Communication," Health Canada, Branch Management Council Retreat, Ottawa
- (15) May 15:
"Risk Communication," Sarnia-Lambton Environmental Association Annual Meeting, Sarnia

- (16) June 4:
"Risk Management," Occupational and Environmental Hygiene 2003 Educational Forum, UBC, Vancouver
- (17) July 1-4:
MBA Short Course on Risk Management, European Summer School of Advanced Management, Aarhus, Denmark
- (18) September 15:
"Risk Management," CropLife Annual Conference, Winnipeg
- (19) September 17:
"Risk Communication," Conference on Food Safety Risk Communication, University of Guelph
- (20) September 20:
Panelist, Millennium Scholarship Foundation conference, Ottawa
- (21) September 23:
Consultation Meeting, "Decision Support Tool for Risk Management," Institute for Catastrophic Loss Reduction, University of Western Ontario
- (22) September 25:
Lecture/Discussion, "Public Health Risks," Queen's School of Business, Public Executive Program, Kingston
- (23) September 28 – October 1:
Invited Speaker, Panel on Risk Communication, EuroTox Annual Meeting, Florence, Italy
- (24) October 7:
"Communicating Risks," Intergovernmental Forum on Risk Management, Conference Board of Canada, Ottawa
- (25) October 27:
"Smart Regulation and Risk Management," External Advisory Board on Smart Regulation, Privy Council Office, Ottawa
- (26) November 8:
"Labeling of GM Foods," Consumers' Association of Canada Annual Meeting, Ottawa
- (27) November 20-23:
Speaker and Conference Co-organizer, "Science and Public Policy," Canada – United Kingdom Colloquium, Tortworth Court (Bristol), UK
- (28) November 27:
"Risk Communication," Performance Plants, Inc., Kingston/Saskatoon (teleconference)

(29) November 29 (December 11, 13):

"The Language of Risk," Annual Guides Training Sessions, Canadian Mountain Holidays Inc., British Columbia

(30) December 4:

"Public Policy and Risk Management," Expert Policy Forum, Management Board Secretariat, Government of Ontario, Toronto

(31) December 17-18:

Invited Participant, Research Workshop on Risk Perception, Decision Research, Eugene, Oregon

Note: Information on more recent speaking engagements is available upon request.