

# Curriculum Vitæ

Revised January 2005

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## 1. Degrees

PhD	Philosophy, and Regional Planning and Resources Development	Waterloo	1988
	Title of Dissertation: Planning, Technology and Community Autonomy		
MA	Philosophy	Western Ontario	1981
BIS	Independent Studies	Waterloo	1979

## Other relevant education experience

Advanced Seminar Program, Institute for Social Ecology, Waitsfield, Vermont	1986
Internship, The Hastings Center—Institute of Ethics, Society and the Life Sciences	1979

## 2. Positions Held Prior to Appointment at University of Victoria

2002-	Director and Associate Professor School of Environmental Studies, University of Victoria
1997-2001	Associate Professor Department of Anthropology, Adjunct in the Department of Sociology University of Alberta
2000	Visiting Professor and Lansdowne Lecturer (Fall Term) School of Environmental Studies, University of Victoria
1996	Maurice Young Invited Research Fellow (Fall Term) Centre for Applied Ethics University of British Columbia
1996-7	Associate Professor (with tenure effective 1 July 1996) Cross-appointed in the Department of Anthropology and the Department of Sociology University of Alberta
1992-1996	Assistant Professor Cross-appointed in the Department of Anthropology and the Department of Sociology University of Alberta
1995	Visiting Scholar (Winter Term) Science, Technology and Society Program Massachusetts Institute of Technology .

- 1989-1992 Assistant Professor (on leave 1989-90)  
Department of Philosophy, and Science, Technology and Society Program  
University of Alberta
- 1989-1990 Visiting Assistant Professor  
Environmental Studies Program  
Oberlin College
- 1988-1989 Visiting Scholar  
Philosophy and Technology Studies Center  
Polytechnic University (New York City)
- 1987-1988 Lecturer  
Cross-appointed in the Department of Environment and Resource Studies and the  
Centre for Society, Technology and Values  
Course Option Coordinator, Centre for Society, Technology and Values  
University of Waterloo, 1987-1988.

### 3. Major Field(s) of Scholarly or Professional Interest

Ecological Restoration, Philosophy of  
Ecological Restoration, Policy and Practice of (especially in mountain regions and protected areas)  
Historical Ecology, including cultural and ecological change  
Repeat Photography  
Philosophy of Technology

### 4. Memberships and Offices Held in Learned and Professional Societies

- Member, Commission on Ecosystem Management, World Conservation Union 2004-  
(IUCN)
- Past Chair, Board of Directors, Society for Ecological Restoration International 2003-2004
- Chair, Board of Directors, Society for Ecological Restoration International 2001-2003
- Vice-Chair, Board of Directors, Society for Ecological Restoration International 2000-2001
- Secretary, Board of Directors, Society for Ecological Restoration International 1995-2000
- Member, Society for Ecological Restoration International 1991-
- Member, Board of Directors, Society for Philosophy and Technology 1995-1999
- Member, Society for Philosophy and Technology 1987-
- Member, Society for Conservation Biology 2003-

Member, Alpine Club of Canada (Vancouver and Edmonton Sections)	1997-
Society for Applied Anthropology	1997-1999

## 5. Scholarships, Fellowships, Honours and Awards

### a. Scholarships, Fellowships, Honours and Awards

Excellence in Leadership Award, Society for Ecological Restoration International	2003
Computerworld Laureate, Jasper Photo Project	2002
Golden Trowel Award, Society for Ecological Restoration	2000
Conservation Award, Jasper National Park	1996
Social Sciences and Humanities Research Council of Canada Doctoral Fellowship	1985-1987
Ontario Graduate Scholarship, (2 year award)	1984-1986
Faculty of Arts Graduate Scholarship, University of Waterloo	1983-1984
Max Bell Fellowship (administered through the Institute for Environmental Studies, University of Toronto) (2 year award).	1982-1984
Faculty of Environmental Studies Scholarship, University of Waterloo	1982-1983
Entrance Scholarship, Department of Philosophy, University of Western Ontario	1980-1981
Research Stipend, The Hastings Center	1979

### b. Research grants (all grants successful except where noted)

Rocky Mountain Repeat Photography Project. Alberta Conservation Association, 2005-2006 (\$15,000)
Repeat Photography in Waterton Lakes National Park, Social Sciences and Humanities Research Council of Canada, 2003-2006 (\$174,153).
Field support for repeat photography in Waterton Lakes National Park. Parks Canada (through Waterton Lakes National Park), 2002-2004 (\$14,000)
Landscape Change in Waterton Lakes National Park; Internal Research Grants, University of Victoria, 2002 (\$6,700).

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Preparation of a digital database for the Bridgland Repeat Photography project; Foothills Model Forest, 2000-01 (\$45,000).

80 Years of Change in Jasper National Park; Social Sciences and Humanities Research Council of Canada, 2000-03 (\$102,000).

Hunter-gatherer culture change and continuity in the Middle Holocene of the Cis-Baikal, Siberia, Major Collaborative Research Initiative (MCRI), Social Sciences and Humanities Research Council of Canada, 2000-2005. Andrzej Weber, Principal Investigator.

A CD-ROM/Web-based presentation for the Culture, Ecology and Restoration project; Parks Canada, 1999 (\$5,000)

Field Rephotography for the Bridgland Rephotography Project: Foothills Model Forest contract, 1998-9 (\$69,000).

Early History in Jasper National Park: A Multimedia Project; Alberta Heritage Resource Foundation, 1998-9 (\$15,000); Sandy Campbell, Principal Investigator.

Inuit Navigation and Wayfinding: Canadian Circumpolar Institute, (administered as special funds through the C/BAR grant program) 1998 (\$6,000) to support a pilot study by Claudio Aporta (PhD student) of Inuit navigation and technological change in the Igloodik area.

Reconnaissance trip to Igloodik: Support for the Advancement of Scholarship fund, University of Alberta, 1998 (\$2,700).

Palisades Research Centre, Jasper National Park: Office of the Vice-President (Research), 1998 (\$4,000) to provide maintenance and repair monies for the fledgling Research Centre.

Spatial Analysis of Historical Vegetation Change in Jasper National Park: Tracing the changing landscapes of Jasper National Park; Natural Sciences and Engineering Research Council of Canada, 1997-2000 (\$84,000) [unsuccessful].

A Trinational Workshop on the Ethics of Ecological Restoration. Strategic Partnership Development Grant, Social Sciences and Humanities Research Council of Canada, 1997 (\$5,000).

Montane Disturbance Project. Foothills Model Forest, 1997 (\$30,000).

Digital Elevation Model for a portion of the Athabasca Valley; Parks Canada 1997 (\$3,000).

Jasper National Park research information database. University of Alberta Central Research Fund, 1997 (\$5,000).

Equipment grant. Faculty of Arts Support for the Advancement of Scholarship, 1997 (\$3,000).

A Reference Database for Jasper National Park. Support for Scholarly Research fund, University of Alberta, 1997 (\$3,500).

Redesigning Nature? Human Influence, Ecological Restoration, and the Crisis of Jasper National Park. Social Sciences and Humanities Research Council of Canada Research Grant, 1996-99 (\$65,500).

Culture, Ecology and Restoration Project, Jasper National Park, 1996-1998 (\$70,000) Parks Canada, 1996-97 (\$20,000).

Patterns of Human Use in Jasper National Park's Montane Ecosystems:  
What is Required to Make Effective Decisions About the Restoration of "Damaged" Sites? Jasper National Park, 1995 (\$5,000).

Technology and the Character of Contemporary Life: A Symposium. University of Alberta Conference Fund, 1995 (\$3,000).

Jasper National Park in the 21st Century: Sustainable Majesty? Eco-Research Grant, (39 collaborators; David Schindler, Principal Investigator), 1994 [funding source cancelled].

Patterns of Change: Culture, Ecology and Restoration in Jasper National Park. Social Sciences and Humanities Research Council of Canada Grant, 1994 [not funded].

MIT Visit. Central Research Fund, University of Alberta, 1994 (\$2,500).

Collaborator, Eco-Research Chair in Environmental Risk Management (a consortium of twelve researchers from across campus working with the chairholder, Prof. Steve Hruday, 1993-96.

Collaborator, Ethics of Nurturance Project (Vangie Bergum and John Dosseter, Principal Investigators), Social Sciences and Humanities Research Council of Canada, 1993-96.

In Our Own Image: The Social and Moral Consequences of Ecological Restoration. Social Sciences and Humanities Research Council of Canada Research Grant, 1992-95 (\$82,000).

Successful Interdisciplinary Approaches to Ecological Problems. Tri-Council Eco-Research Letter of Intent (David Schindler, Principal Investigator) 1992 (\$10,000).

Grant for Travel to Hungary. University of Alberta Central Research Fund, 1992 (\$2,200).

Grant for Travel to Puerto Rico. University of Alberta Central Research Fund, 1991 (\$1,800).

Black Perspectives on the Environment. A Minority Curriculum Development Grant, Oberlin College, 1990 (\$1,500)

A Compendium of Critical Works in Planning as Selected by Professional Planners. Dr. L.R.G. Martin, Principal Investigator. Social Sciences and Humanities Research Council of Canada, 1986-88.

## 6. Appointments at University of Victoria

### a. Academic

January 1, 2002 to present      Associate Professor      School of Environmental Studies

**b. Administrative**

January 1, 2002 to present     Director

School of Environmental Studies

**7. Scholarly and Professional Achievements****a. Articles Published in Refereed Journals**

1. Aporta, Claudio and Eric Higgs. In press. Satellite Culture: Global Positioning Systems, Inuit Wayfinding, and the Need for a New Account of Technology. *Current Anthropology*.
2. Higgs, Eric. 2005. The Two Culture Problem: Ecological Restoration and the Integration of Knowledge. *Restoration Ecology*, 13: 1-6.
3. Rhemtulla, J, R. Hall, E. Higgs and E. MacDonald. 2002. Eighty Years of Change: Vegetation in the Montane Ecoregion of Jasper National Park, Alberta, Canada. *Canadian Journal Forest Research*, 32:2010-2021.
4. Higgs, Eric. 1999. The Bear in the Kitchen. *Alternatives* 25(2): 30-35.
5. Gibson, Virginia, Eric Higgs and Steve Hrudehy. 1998. Sour Gas, Bitter Relations. *Alternatives*. 24(2): 26-31.
6. Cypher, Jennifer and Eric Higgs. 1997. Colonizing the Imagination: Disney's Wilderness Lodge. *Capitalism, Nature, Socialism*. 8(4): 107-130.
7. Reprinted in Bernd Herzogenrath (ed.), 2001, *From Virgin Land to Disney World: Nature and Its Discontents in the USA of Yesterday and Today*.
8. Adapted as Journey into the Imagination. In Frits Gierstber and Bas Vroege (eds), 2003. *Experience: Media Strategies in an Immersive Visual Culture*, Rotterdam, NAI Publishers.
9. Higgs, Eric. 1997. What is Good Ecological Restoration? *Conservation Biology*, 11 (2): 338-348.
10. Light, Andrew and Eric Higgs. 1996. The Politics of Ecological Restoration. *Environmental Ethics* 18(3): 227-48.
11. Higgs, Eric. 1994. Expanding the Scope of Restoration Ecology. *Restoration Ecology* 2: 137-46.
12. Higgs, Eric. 1992. Musings At the Confluence of the Rivers *Techné* and *Oikos*. *Research in Philosophy and Technology* 12: 243-260.
13. Higgs, Eric. 1990. The Landscape Evolution Model: A Case for a Paradigmatic View of Technology. *Technology In Society* 12: 479-505.

14. Martin , L.R.G., P. Filion and Eric Higgs. 1988. A Survey of the Preferred Literature of Canadian Planners. *Plan Canada* 28: 6-17.
15. Higgs, Eric. 1987. Changing Value Perspectives in Natural Resource Allocation: From Market to Ecosystem. *Transactions of the American Fisheries Society* 116: 525-531.
16. Higgs, Eric. 1986. Values and Resource Allocation: Imaging the Future. *Canadian Water Resources Journal* 11: 55-63.
17. Vanderburg, W.H. and Eric Higgs. 1986. Technology and How Society Solves Problems. *Alternatives* 13: 3-10.

#### **b. Books, Chapters, Monographs**

18. Ian MacLaren [with Eric Higgs and Gaby Zezulka-Mailloux]. In press. Mapper of Mountains: The Life and Work of Morrison Parsons Bridgland. University of Alberta Press.
19. Higgs, Eric. In press. Ecological Restoration. In Carl Mitcham (ed.), *Encyclopedia of Science, Technology and Ethics*. MacMillan.
20. Higgs, Eric. 2003. *Nature by Design: People, Natural Process and Ecological Restoration*, MIT Press.
21. Higgs, Eric, Andrew Light and David Strong (eds.). 2000. *Technology and the Good Life? The University of Chicago Press*.
22. Higgs, Eric. Nature by Design. In Eric Higgs, Andrew Light and David Strong (eds.). 2000. *Technology and the Good Life? Chicago: The University of Chicago Press*, pp. 195-212.
23. Strong, David and Eric Higgs. Borgmann's Philosophy of Technology. In Eric Higgs, Andrew Light and David Strong (eds.). 2000. *Technology and the Good Life? Chicago: The University of Chicago Press*, pp. 19-37.
24. Higgs, Eric, Carol Murray, Mike Norton, Jeanine Rhemtulla, Jeff Anderson and Paul Galbraith. 1998. "Whose Nature Is It? Setting Goals for Ecological Restoration in Jasper National Park" In: Neil WP Munro and JH Martin Willison (eds). *Linking Protected Areas with Working Landscapes Conserving Biodiversity, Proceedings of the Third International Conference on Science and Management of Protected Areas, 12-16 May 1997*. Wolfville, Canada: SAMPAA; pp. 781-89.
25. Higgs, Eric. 1998. Introduction to the Symposium. *Research In Philosophy and Technology*. 17:163-67.
26. Higgs, Eric. 1998. "'Small' is Neither Beautiful nor Ugly; It is Merely Small": Technology and the Future of Social Ecology. In A. Light (ed.) *Social Ecology after Bookchin*. Guilford Press, pp. 240-61.

27. Light, Andrew and Eric Higgs. 1996. The Politics of Corporate Ecological Restorations: Comparing Global and Local North American Contexts. In D. Kellner and A. Cvetkovich (eds.) *Articulating the Global and Local*. Westview Press, pp. 102-125.
28. Higgs, Eric. 1991. Commodification and Naturalization: The Recreation of Nature as Technology. In *The Technology of Discovery and the Discovery of Technology*, Joseph Pitt, Elena Lugo (eds) Blacksburg, VA: Society for Philosophy and Technology, 301-318.
29. Hellyer, Gregory and Eric Higgs. The Metaphorical Landscape of Mitigation, Restoration and Creation. In *Ontario's Wetlands: Inertia or Momentum?* Toronto: Federation of Ontario Naturalists 115-127.

### c. Other Publications

30. Higgs, Eric. 2004. The Allure and Challenge of the Big Picture. *Journal of Biogeography*. 31: 1033-1035.
31. Society for Ecological Restoration International Science & Policy Working Group. 2004. The SER International Primer on Ecological Restoration. [www.ser.org](http://www.ser.org) & Tucson: Society for Ecological Restoration International
32. Higgs, Eric and Sundeep Sahay. 2000. Review of Albert Borgmann's, *Holding on to Reality: The Nature of Information at the Turn of the Millenium*. *The Information Society: An International Journal*. 16(3):
33. Eric Higgs, Sandy Campbell, Ian MacLaren, Julian Martin, Tim Martin, Carol Murray, Andie Palmer, and Jeanine Rhemtulla. 2000. *Culture, Ecology and Restoration in Jasper National Park*. [www.arts.ualberta.ca/~cerj/cer.html](http://www.arts.ualberta.ca/~cerj/cer.html)
34. Campbell, Sandy and Eric Higgs (with S James and N Miller). 1999. Human History in the Upper Athabasca Valley. Multimedia CD-ROM.
35. Higgs, Eric. 1999. Designing, Not Faking, Nature. In Brian Egan (ed.). *Helping the Land Heal: Ecological Restoration in British Columbia*. Proceedings of a Conference held November 5-8, 1998, Victoria, BC. Victoria: The BC Environmental Network Educational Foundation.
36. Meekison, Lisa and Eric Higgs. 1998. The Rites of Spring (and Other Seasons): The Ritualizing of Restoration. *Restoration and Management Notes*. 16(1): 73-81.
37. Higgs, Eric. 1998. Review of Alan Drenghson's *The Practice of Technology: Exploring Technology, Ecophilosophy, and Spiritual Disciplines for Vital Links*. In *Technology and Culture* 39: 811-812.
38. Higgs, Eric. 1997. Revisiting Determinism. Review of Merritt Roe Smith & Leo Marx, *Does Technology Drive History? The Dilemma of Technological Determinism* In *Research in Philosophy and Technology* 16: 189-94.

39. Cypher, Jennifer and Eric Higgs. 1997. Packaged Tours: Themed Experience and Nature Presentation in Parks and Museums. *Museums Review* 23(2): 28-32.
40. Higgs, Eric. 1995. Robert Starbird Dorney. In *North American Dictionary of Environmental Biography* Greenwood Press.
41. Higgs, Eric, Mary Richardson and Rick Riewe (eds.). 1995. *The Role of Science in Environmental Impact Assessment*. Canadian Circumpolar Institute and Athabasca University.
42. Higgs, Eric. 1994. The Politics of Restoration. *Restoration and Management Notes* 12: 138-139.
43. Cypher, Jennifer, Eric Higgs and Lisa Meekison. 1994. *Culture, Ecology and Restoration: An Annotated Bibliography* [unpublished].
44. Higgs, Eric. 1994. A Life in Restoration: Robert Starbird Dorney 1928-1987. *Restoration and Management Notes* 12: 144-147.
45. Higgs, Eric. 1993. The Ethics of Mitigation. *Restoration and Management Notes* 11: 138-143.
46. Higgs, Eric. 1993. The Power of Landscape: A Review Essay. *Alternatives* 19: 40-1.
47. Higgs, Eric. 1991. A Quantity of Engaging Work To Be Done: Restoration and Morality in a Technological Culture. *Restoration and Management Notes* 9: 97-104.
48. Higgs, Eric. 1989. Planning as Technological Change: Impacts on the Autonomy of Rural Communities. Sackville, NB: Rural and Small Town Research and Studies Programme, 24 pp.
49. Higgs, Eric and Robert Gibson. 1989. *Alternatives* Special issue on "Environmental Humour" 16:2.
50. Martin, Larry, Pierre Filion and Eric Higgs (eds). 1988. *Plan Canada* (Special issue on The Literature of Planners in Canada) 28:1.
51. Higgs, Eric. 1987. A Space Between Planning and Technology. *Man-Environment Systems* 17: 122-
52. Higgs, Eric. 1986. How Deep is Deep Ecology: A Review Essay. *Man-Environment Systems* 16: 107-112.
53. Higgs, Eric. 1986. Review of Neil Evernden 's *The Natural Alien*. *Environments* 18: 85-88.
54. Higgs, Eric. 1985. Review of Tom Regan's *Earthbound*. *New Introductory Essays in Environmental Ethics*. *Environmental Ethics*. 7: 373-375
55. Higgs, Eric. 1984. Environmental Ethics in Relation to Resource Policy. *Man-Environment Systems* 14: 25-40.

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#### **d. Papers, Lectures, Addresses (selected)**

##### **\*=Invited**

- \*"How Ecological Restoration Connects with Ecosystem Management." Canadian Institute for Advanced Research Scoping Workshop, Victoria, BC, 13 December 2004.
- \*"An Overview of Ecological Restoration." Guest lecture in ES 301, Royal Roads University, 5 November 2004.
- \*"What Is Ecological Restoration? What Is Good Ecological Restoration?" Conservation Sciences Lecture Series, University of British Columbia, 28 October 2004.
- \*"Wild Design." Invited lecture, Workshop on Real World Experiments, Bielefeld, Germany, 9 September 2004.
- \*"Some Closing Thoughts—On Being Edgey." Keynote lecture, Restoration at the Edge, 16<sup>th</sup> Annual Conference of the Society for Ecological Restoration International, Victoria, BC, 26 August 2004.
- \*"Restoring Species, Ecosystems and (human) Communities." Keynote lecture, Species at Risk 2004, Pathways to Recovery Conference, Victoria, BC 5 March 2004.
- \*"The Rocky Mountain Repeat Photography Project." Canadian Parks and Wilderness Society Board of Directors, Whistler, BC, 1 November 2004.
- \*"Resolving the Two Culture Problem: Ecological Restoration and the Integration of Knowledge." Keynote Address to the Symposium on Ecosystem Restoration, Estuarine Research Federation Conference, Seattle, WA, 18 September 2003.
- \*"On the Difference Between Ecological Restoration and Restoration Ecology." Canadian Institute for Advanced Research Scoping Workshop on Ecosystem Management, Montreal, 26 August 2003.
- "Repeating Images: A New life for the Dominion Phototopographical Surveys." Canadian Association of Geographers Annual Conference, Victoria, BC, 29 May 2003 [with T. Smith and J. Rhemtulla].
- \*"The Ambiguity of Design." Keynote lecture, Recovery of Earth, Place and Self Symposium, University of Vermont, 26 April 2003.
- \*"A Global Rationale for Ecological Restoration." Commission on Ecosystem Management and Society for Ecological Restoration International joint meeting, Taman Negara, Malaysia, 4 March 2003.
- \*"Changing Landscapes, Changing Values." College of Forest Resources, University of Washington seminar series, 17 January 2003.
- "Climate and Landscape Change in Jasper National Park." Biological Sciences 601 guest lecture, University of Alberta, 20 November 2002.

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- "Mountains of Change." School of Environmental Studies Seminar Series, 26 October 2002.
- \*"Mountains of Change." Dunsmuir lecture series, 16 October 2002.
- "International Restoration." (panel chair) Third Meeting of the European Society for Ecological Restoration, Budapest, Hungary, 25 August 2002.
- "Restoration and the Precautionary Principle." (panel chair) Society for Ecological Restoration International, Tucson, AZ, 8 August 2002.
- \*"Opportunities for International Restoration Partnership." Commission on Ecosystem Management, World Conservation Union, Edinburgh, Scotland, 25 July 2002.
- \*"Dreaming the Garry Oak Landscape." Banquet Speaker, The 3<sup>rd</sup> Garry Oak Restoration Conference, Victoria, 27-28 April 2002.
- \*"Backyard Restoration." Swan Lake Nature Centre, 20 April 2002.
- \*"Knowledge Management" Panelist, Knowledge Management Program, Royal Roads University, 31 January 2002.
- \*"Ecological Restoration" Dean's Downtown Lecture Series, University of Victoria, 24 January 2002.
- "The Evolution of Words and Worlds." Society for Ecological Restoration, Niagara Fall, Canada, 3-5 October 2001.
- \*"The Precautionary Principle and Ecological Restoration". Science and Environmental Health Network workshop, Leavenworth, WA, 5-7 May 2001.
- \*The Bridgland Repeat Photography Project, Alpine Club of Canada, Edmonton Section, 17 April 2001.
- \*"Does History Matter?" Environmental Research and Studies Centre Lecture, University of Alberta, 8 February 2001.
- \*"Historicity and Reference in Ecological Restoration," "A Tale of Two Wildernesses," and "Nature by Design." Lansdowne Lectures, University of Victoria. This series of three endowed public lectures on ecological restoration were given on 2, 7 and 16 of November 2000.
- \*"The Bridgland Repeat Photography Project: Landscape Change in Jasper National Park." Department of Geography, University of Victoria, 3 November 2000.
- \*"Technology and the Good Life? Department of Informatics." University of Oslo, 29 August 2000.
- "Resolving Spatial Problems in Navigation: Cultural Significance of GPS and Inuit Traditional Methods." Inuit Studies Conference, Aberdeen Scotland, 25 August 2000 [with Claudio Aporta].

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- "Is Wilderness the Problem or the Promise?" Science and Management of Parks and Protected Areas Association, University of Waterloo, 14 May 2000.
- \*"Two Wildernesses: Jasper National Park Meet Disney World." The Restoration Agenda Lecture Series, School of Forestry, Yale University, 23 February 2000.
- "How Much is Sufficient? Traditional Knowledge, Local Knowledge and the Problem of Determining Appropriate Reference Conditions." *Reweaving the World*. The 11th Annual International Conference of the Society for Ecological Restoration, San Francisco, 23-27 September 1999,.
- "Culture, Ecology And Restoration: A New Approach To Integrating Cultural And Ecological Information In Jasper National Park." Learning From The Past Workshop, Revelstoke BC, 22-23 April 1999.
- \*"Remembrances of Landscapes Past: The Problem of Determining Appropriate Reference Conditions for Ecosystems." Department of Philosophy Seminar Series, University of Montana. 13 April 1999.
- \*"Repeating the Past: The Peculiar Problems of Ecological Restoration." Faculty of Environmental Studies, York University. 5 April 1999.
- \*"The Restoration of Hope." International Week lecture, University of Alberta. 29 January, 1999.
- "Designing, Not Faking, Nature," and "Parks Canada is Proud to Present: Jasper—Brought to You by Disney!" (with Jen Cypher) Society for Ecological Restoration Conference. Austin, TX, 28 September-1 October 1998.
- "Designing, Not Faking Nature." Helping the Land Heal Conference, Victoria, BC, 4-7 November 1998.
- "Defining Moments," "Vegetation Change: The Restorationists Dilemma," (with Jeanine Rhemtulla) "Whose Nature Is It? Setting Goals for Ecological Restoration in Protected Areas." (with Jeff Anderson, Paul Galbraith, Carol Murray, Mike Norton, Jeanine Rhemtulla) and "Peopled Landscape" (poster; with Jeanine Rhemtulla and Ian MacLaren). Society for Ecological Restoration Conference. Ft. Lauderdale, 15 November 1997.
- \*"The Bear in the Kitchen." Environmental Research and Studies Centre Public Lecture Series, University of Alberta, October 21, 1997.
- \*"Restoring Landscape Connections: Changing Scales, Changing Cultures." Keynote lecture, Landscape Connectivity conference, Pullman, WA, 19-20 September 1997.
- "Ecological Restoration and the Politics of Hope." Presented originally at Method, Power, Change, Annual Meetings of the Society for Applied Anthropology, Seattle, WA, 5 March 1997 and in revised form at the Committee of Anthropology of Science, Technology and Computing (CASTAC) Conference, Albany NY, 28-9 June 1997.
- \*"Concepts and Principles of Ecological Restoration." Global Environmental Facility Course, Bratislava, Slovak Republic, 23-27 June, 1997.

- "Whose Nature Is It? Setting Goals for Ecological Restoration in Protected Areas." (with Jeff Anderson, Paul Galbraith, Carol Murray, Mike Norton, Jeanine Rhemtulla) and "Peopled Landscapes: Using Cultural and Ecological Knowledge to Map the Environmental History of Jasper National Park." (poster; with Peter Achuff, Cindy Dunnigan, Mike Norton, Jeanine Rhemtulla, Jo Urion) Science and Management of Protected Areas Conference, Calgary, AB, 12-16 May 1997.
- "The Role of Social Research in Integrated Parks Management." Human Influence Workshop, Jasper, AB, 20-1 November 1996.
- "The Politics of Corporate Ecological Restorations." *Technologia, Desarrollo Economico y Sustentabilidad*, a conference of the Society for Philosophy and Technology, Puebla, Mexico, 29 October - 2 November 1996.
- \*"Defining Restoration." World Conservation Congress, Montreal, 18 October 1996.
- \*"Environmental Ethics: Restoration and Professionalization." Centre for Applied Ethics, University of British Columbia, 8 October 1996.
- \*What Is Good Ecological Restoration? Ecological Seminar Series, Department of Biological Sciences, University of Alberta, 27 January 1996.
- "An Ideal World of Environmental Risk Management," and "Taking Cross-Cultural Communication Seriously." (with Virginia Gibson and Christina Lindsay) Society for Risk Analysis, 3-4 December 1995.
- "Nature By Design." *Technology and the Character of Contemporary Life* Workshop, Jasper, Alberta, 28 September - 1 October 1995.
- "What is Good Ecological Restoration?" Society for Ecological Restoration, Seattle, WA, 15 September 1995.
- \*What is Good Ecological Restoration?" Keynote speaker, *Shifting Paradigms* Conference, SUNY-ESF, Syracuse, NY, 5-6 April 1995.
- \*"Reverse Adaptation." Peatlands Restoration Workshop, University of Alberta, 10 December 1994.
- "Definitions, Definitions, Definitions." Society for Ecological Restoration, Lansing, MI, 19-21 August 1994.
- "Culture, Ecology and Restoration in Jasper National Park." CASCA Conference, Vancouver, BC, 4-7 May 1994.
- "The Reality of Nature", The Reality of Nature Symposium, University of Alberta, 5 November 1993.
- "Natural Constructivism." Society for Literature and Science, Boston, MA, 18-21 November 1993.
- \*"Towards and Ecological University." *Pneuma and Gnosis* lecture series, University of Alberta, 28

October.

\*"Restoration and Technology" Things Have Consequences Symposium, State College, PA, 12-14 October.

"The Politics of Restoration." Society for Ecological Restoration, Irvine, CA June 15-19 1993.

"The Map is Not the Territory." Society for Philosophy and Technology Biennial Congress, Peniscola, Spain, May 30-June 2, 1993; and also at the 30th Anniversary Conference, Department of Philosophy, University of Waterloo, June 4-6 1993.

\*"The Culture of Ecological Restoration." Department of Anthropology Seminar Series, University of Alberta, 29 January 1993.

\*"Creating Nature in Man's Own Image." Department of Botany, University of Alberta, 3 November 1992.

"Ethics and Mitigation." Society for Ecological Restoration, University of Waterloo, 12 August 1992.

\*"Inventing Nature." Meanook Biological Research Station Summer Lecture Series, 7 July 1992.

"Making Nature Our Own: The Social Problem of Ecological Restoration." Canadian Sociology and Anthropology Association Annual Conference, Charlottetown, PEI, 2 June 1992.

"Confusing the Map with the Territory: An Examination of the Legacy of Landscape Representation." (with Mora Campbell) Canadian Society for the Study of Practical Ethics Annual Conference, Charlottetown, PEI, 27 May 1992.

"The Role of Science in Environmental Impact Assessment" The Role of Science in Environmental Impact Assessment Workshop. University of Alberta, 3 April 1992.

"Ecological Restoration and the State of Nature." Conference on Stability and Change in Nature, Budapest, Hungary, 17 March 1992.

\*"Do Botanists Need to Know Nature?" Department of Botany, University of Alberta, 10 February 1992.

\*"Forms of Knowing." Women's Studies Speaker's Series, University of Alberta, 25 September 1991.

"Resolving the Pattern: Agriculture, Technology and Community on the Great Plains." (with Benjamin Larson) Varieties of Sustainability: Reflecting on Ethics, Environment and Economic Equity Conference, , Asilomar, California, 8-11 May 1991.

Panelist, Lake Restoration Expectations and Realities Workshop. Vegreville, Alberta, 23 March 23 1991.

"Commodification and Naturalization: The Recreation of Nature as Technology." Sixth Biennial Meeting of the Society for Philosophy and Technology, University of Puerto Rico at Mayaguez, 9

March 1991.

- \*"Nature Ends, Finally." Keynote Address, Annual Conference of the Alberta Graduate Students in Anthropology, University of Alberta, 28 February 1991.
- \*"The Retextualization of Nature." New Directions in Criticism and Theory Series, Faculty of Arts and the Department of English, University of Alberta, 12 February 1991.
- \*"The Ethics of Environmental Decision Making." Department of Zoology, University of Alberta, 5 December 1990.
- \*"Our Technological Environment: Artificity and Artificiality." Material Culture Lecture Series, University of Alberta, 1 November 1990.
- "Mechanical Advantage: Moral Technological Considerations in Restoring and Creating Landscape." Moral Philosophy in the Public Domain Conference, University of British Columbia, 7-9 June 1990.
- "Understanding Nature and Technology." Nature and Technology Roundtable. Technology Literacy Conference, Washington D.C., 5 February 1990.
- \*"Technology and Planning: Applying the Landscape Evolution Model to Rural Planning." School of Rural Planning and Development, University of Guelph, 27 October 1989.
- "Planning's Technology: The Problem of Local Democracy." 4th Biennial Conference of the Society for Philosophy of Technology, Bordeaux, France, 29 June - 2 July 1989.
- \*Environmental Education Roundtable. The Meadowcreek Project, Fox, Arkansas, 16-18 October 1989.
- \*"Technology and the City: A Reprise." The Centre for Society, Technology and Values Lecture Series, University of Waterloo, 10 November 1988.
- "The Metaphorical Landscape of Mitigation, Restoration and Creation." (with Gregory Hellyer) Wetlands: Inertia or Momentum Conference, Toronto, Ontario, 24 October 1988.
- \*"Technology's Culture: An Overview." The 8<sup>th</sup> Annual George Liguori Memorial Workshop, Portland, Ontario, 17-19 June 1988.
- "Planning as Technological Change: Impacts on the Autonomy of Rural Communities." Resolving Rural Development Conflicts Conference, St. Andrews-by-the-Sea, 8-11 June 1988.
- \*"The Soft Side of Resource Allocation: Tragic Choices and the Future." Social Assessment of Fisheries Resources (SAFR) Conference, East Lansing, Michigan, 3-6 September 1985.
- \*Invited Participant, Issues for the Next Generation Conference, Toronto, Ontario, 15-18 August 1985.
- \*Invited Participant, Roles and Responsibilities in Environmental Conservation National Symposium. Kingston, Ontario, 21-25 June 1985.

"A Futures-oriented View of Resource Allocation Policy in the Great Lakes Basin." Canadian Water: The State of the Resource Conference, Toronto, Ontario, 26-30 May 1985.

"Self-organization and Emergent Brain Functions." Philosophy Graduate Students' Association Colloquium, University of Waterloo, 27 January 1984.

\*"Ethics and Resource Policy." The Rawson Academy Workshop, Niagara-on-the-Lake, 1-4 November 1983.

"The Biologist and the Bulldozer." Canadian Society of Environmental Biologists Annual Meeting, Toronto, 16 February 1982.

"Institutional Rationality." Learning About Learning Conference, University of Waterloo, 17 February 1980.

\*"Is There a Difference Between Environmental and Ecological Ethics?" The Hastings Center, Hastings-on-Hudson, New York, 18 December 1979.

Organizer, The State of Natural Areas Planning in Ontario Symposium, Ontario Society for Environmental Management, Toronto, Ontario, 25 October 1977.

#### **e. Professional Activities**

Editorial Board, Island Press/Society for Ecological Restoration Book Series on Ecological Restoration, 2001-

Editorial Board, *Restoration Ecology*. 2000-

*Human Influence in the Montane Ecosystems of Jasper National Park* Workshop, University of Alberta, 29-30 March 1996 [37 participants from Canada and the U.S.; co-organized and co-chair with M. Wesbrook, Jasper National Park].

Committee Member, International Summer Institutes in Canada, Social Sciences and Humanities Research Council of Canada, 1997.

Consultant and focus group participant, Review of the *Science and Technology Policy in Canada* Strategic Grant Program, SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL OF CANADA, Ottawa, 2 February 1996

Co-Chair, Policy Committee, Society for Ecological Restoration [with Dennis Martinez] 1995-97.

Contributing Editor, *Alternatives*. 1995-

*Technology and the Character of Contemporary Life* Workshop, Jasper, Alberta, 28 September - 1 October 1995 [28 invited participants from Canada, the United States and Europe; co-organized and co-chaired with Andrew Light, University of Alberta].

Co-ordinator, Urban Valleylands Research Project, University of Waterloo, Summer 1978.

Director, Natural Areas Research Team, Conservation Council of Ontario, Toronto, Summer 1977.

## 8a. Teaching Duties at the University of Victoria

### a. Courses Taught

Environmental Studies 200	Introduction to Environmental Studies	Spring 2005
Environmental Studies 400A	Ecology and Design	Spring 2002
Environmental Studies 400D/ Ecological Restoration 338A	Nature by Design	Fall 2003

### b. Graduate Student Supervision

Graham Watt-Gremm	2004- MSc (cosupervised) Change in subalpine meadow communities in Waterton Lakes National Park
Rebecca McMackin	2003- MSc (cosupervised) Fishery science and policy
Thomas Munson	2003- MSc (cosupervised) Archaeology and restoration in the East Kootenays
Lisa Levesque	2003- MSc Aspen communities and ecological restoration in Waterton Lakes National Parks
Karen Hurley	2002- PhD (cosupervised) Images of the future
Trudi Smith	2002- MA (cosupervised) Landscape representation and the images of the Bridgland and repeat survey projects

### c. Graduate Student Committee Service

Caren Crandell	2004- PhD Dept of Forest Resources, University of Washington.
Darcy Matthews	2004- MSc Dept of Anthropology, University of Victoria.
Severn Cullis-Suzuki	2004- MSc School of Environmental Studies, University of Victoria.
Wendy Wheatley	2002- MA School of Environmental Studies, University of Victoria.

## 8b. Teaching Duties at the University of Alberta (1990-2001)

### a. Courses Taught

Philosophy 139	Contemporary Moral Issues (x1)
Interdisciplinary 200	Introduction to Science, Technology and Society (x4)
Philosophy 210	The Nature of Science (x1)
Anthropology 230	Technology and Culture (x9)
Philosophy 266	Philosophy of the Environment (x2)
Interdisciplinary 320	Contemporary Issues in Science, Technology and
Society (x1)	
Anthropology 323	Ecological Anthropology (x2)
Anthropology 331*	Anthropology of Technology (x2)
Philosophy 365	Philosophy of the Social Sciences (x1)
Canadian Studies 403	Science and Public Policy in Canada (x2)
Canadian Studies 402	Environmental Law and Policy in Canada (x1)
Philosophy 452	Topics in the Philosophy of the Social Sciences—
Ecological Feminism (x1)	
Sociology 462	Science and Society (x1)
Anthropology 485/585**	Contemporary Culture/Ecological Issues (x5)
Anthropology 598	Landscape and Culture (x1)
Anthropology 531	Traditions, Technology and Culture (x2)

\*In the Winter 2000 term, this course was co-taught with Jim Hoover in Computing Science with a focus on information technology and culture.

\*\*This course was co-taught with David Schindler (Biological Sciences) and cross-listed as BIOL 601.

Co-organized and taught, "Environmental Issues in the Arctic," a two-week field course offered jointly in August 1994 by the Department of Anthropology and Environmental and Conservation Sciences, University of Alberta [with Ross Wein]; course began in Edmonton and covered cultural and environmental issues in Fort Smith and Wood Buffalo National Park, Yellowknife, Inuvik and Tuktoyaktuk.

### b. Graduate Student Supervision

Craig Campbell	2000-2002 MA (cosupervised) Technology and Transportation in the Evenki Autonomous District
Gaby Zezulka-Mailloux	2000- PhD (cosupervised) Literary Landscapes of the Rocky Mountains [I remain a committee member; completion expected Spring 2005]
Trish Bailey	2000-2003 MA Traditional Resource Management in Jasper National Park

Lori Kiel	2000-2003 MA Technology and Culture
Jenaya Webb	2000-2003 MA Cultural History and Ecological Processes in Jasper National Park
Ausra Burns	1997-2001 PhD. (cosupervised). Interdisciplinary Approaches to Civic Design.
Claudio Aporta	1997-2003 PhD. Navigation Technologies and Technological Change in the eastern Canadian arctic (Nunavut).
Carol Murray	1995-1999 PhD Conflict and Transformation: A Study of Environmental Dispute Resolution in Jasper National Park
Nicole Tresoor	1995-1999; MA (did not complete). Environmental health and traditional healing
Virginia Gibson	1994-1996 MA Resources, Conflict, and Culture: The sour gas plant dispute between Unocal Canada and the Lubicon Cree Nation
Christina Lindsay	1994-1996 MA The Culture of Communication of Environmental Health Risks
Lisa Meekison	1993-1995 MA Changes on the Land: Ritual and Celebration in Ecological Restoration
Jennifer Cypher	1993-1995 MA The Real and the Fake: Imagineering Nature and Wilderness at Disney's Wilderness Lodge

From 1990 to 2001, I examined 40 graduate theses in four faculties, and served on the committees of 15 graduate students in other departments and faculties.

## **8c. Teaching Duties at Oberlin College (1989-1990)**

### **a. Courses Taught**

Environmental Studies 101 Environment and Society  
 Environmental Studies 222 The Idea of Nature  
 Environmental Studies 319 Binational Perspectives on Great Lakes Policy  
 Environmental Studies 287 The Crisis of Environment as a Crisis of Technology  
 Environmental Studies 401 Seminar in Future Imagination

## **8d. Teaching Duties at the University of Waterloo (1987-1988)**

### **a. Courses Taught**

Environment and Resources Studies 286 History of Environmental Thought I

Environment and Resources Studies 387	History of Environmental Thought II
Philosophy 224	Humankind and Nature
Society, Technology and Values 100	Introduction to Society, Technology and Values
Society, Technology and Values 200	Group Projects in Society, Technology and Values

## 9a. Administrative Activities at the University of Victoria

### a. University and Faculty Committees

Program of Requirements Committee, Social Sciences and Mathematics Building	January-April 2005
Campus Planning Committee	November 2004–
Facilities Development and Sustainability Subcommittee	November 2004–
Campus Development Committee Review Team	June-December 2003
Faculty of Social Sciences Curriculum Committee	August-November 2003

### b. School Committees and Responsibilities

In a small unit such as the School of Environmental Studies many responsibilities fall to the Director, including the undergraduate program (as of July 1, 2004 these duties are handled by a newly-created Undergraduate Programme Advisor), external relations and development, strategic planning, administrative oversight, scheduling, troubleshooting, and so on. Presently, I serve as the Graduate Advisor and am working with colleagues to develop a formal programme (the School is host to an unusually large number of special arrangement and interdisciplinary graduate students).

## 9b. Administrative Activities at the University of Alberta

### a. University and Faculty Committees

Department of Anthropology representative, Arts Faculty Council	1996-98
Member, Advisory Committee to Vice-President (Research)	1996-2000
Chair, "Integrated Studies" subcommittee, Academic Affairs Committee	1996-1997
Member, Environmental Research and Studies Centre Advisory Board	1994-1999
Acting Director, Environmental Research and Studies Centre	Jan-Feb 1994.
Member and Chair, Curriculum Committee, Environmental Research and Studies Centre	1993-1994
Member, Executive Committee, Environmental Research and Studies Centre	1993-1995

Member, University Teaching Services Advisory Panel (3-year term)	1993-1995
Member, Academic Affairs Committee (3-year term)	1991-1994
Member, Canadian Studies Programme Committee (to 1994)	1990-1994
Member, Film Studies Committee (to 1992)	1990-1992
Member, Women's Studies Programme Committee	1990-1993
Member, Science, Technology and Society Programme Committee	1990-1993
Member, Board, Canadian Futures Research Institute	1990-1993

#### **b. Department Committees and Responsibilities**

Led development of and directed the Multimedia Advanced Computational Infrastructure (MACI) Visualization Lab	1997-2001
Graduate Program Committee	1995-1997
Chaired a working group on the Anthropology of Science, Technology and Environment, which led to the development of a series of thematic courses and research programme	1995-1998
Visiting Speakers Committee	1993-1995
Library and A-V Committee	1992-1994

## **10. Other**

#### **a. Selected public activities**

Board Member (Alternate for Robert James), Northern River Basins Study Board, 1994-1996.

Member, Natural Areas Advisory Committee, City of Edmonton, 1993-1994.

Member, Co-ordinating Committee for Earth Day 1990, Oberlin, Ohio.

Solid Waste Task Force, Lorain County, Ohio, 1989-1990.

Founding Member, Wetlands Restoration Project, Hudson Bioregional Council, New York City, 1988.

Member, New York Green Party, and delegate to National Green Gathering, Eugene, Oregon, June 1989.

Member, Ecological and Environmental Advisory Committee (EEAC), Regional Municipality of  
Waterloo, Ontario, 1983-1987.

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