

April 15th 2009

Dean Lehr,

I would like to be considered for the position as Director of Outdoor Studies. Although I have not been directly involved in the development of the Outdoor Studies Program, minor, or Adirondack Semester program, these have all been of great interest to me as they are clearly congruent with the broad field of environmental studies and complement the environmental studies program at St Lawrence University. Members of my department have been involved in Outdoor Council, the minor, and teaching in the Adirondack semester over many years. Discussions within the department have included how to help staff the semester program, which courses to cross-list, whether to apply for a shared position with OS, and how the OS curriculum relates to the environmental studies curriculum. So I have some indirect knowledge of a number of aspects of the OS program. In addition, quite a number of environmental studies majors have participated in the Adirondack Semester, so in discussions with these students, the deep influence of the immersion experience and academic program has become apparent and both intrigue me.

I have experience with off-campus academic programs in the form participation in the Adirondack-Appalachia program for ten summers. As you may recall this program was a 2 credit unit (1 unit of envs & 1 unit of sociology) summer off-campus undertaking which examined issues of community participation in decision-making versus extra-local power. We used this lens to examine a number of land use issues including recreation, second home development, coal mining, biodiversity, native forests, energy production, and waste management (among others). We spent a week in the Adirondacks followed by 2.5 weeks in central Appalachia (western North Carolina, eastern Tennessee and Kentucky) then returned to the North Country for a few more days to look at similar issues in the Seaway Valley, including Akwesasne. After the first year, I was the person primarily responsible for all logistics. I recruited students, organized the housing at multiple sites, planned and bought for initial week's food, set-up 65-70% of the meetings with agencies, NGOs, and individuals, handled paperwork regarding medical and release forms, the budget, enrollment, parental notification, etc. I also team-taught both courses with the sociology instructor. I prepared the syllabus and assembled the readings into a reader for distribution. We traveled in 2 (once in 3) vans, moved every few days, prepared and ate meals together much of the time, navigated back roads as well as interstate, stayed out of mud holes at coal mines, cleaned and organized lunch coolers, and held evening discussions. Students who had just returned from the Kenya Semester told me that the Ad-App program was much more intense. I understand the pressures and tensions, as well as joys that can arise in a tight-knit group staying together for extended periods. At least at Arcadia, one can get off for some solo time, if needed, unlike the Ad-App program. This logistical and off-campus teaching/living experience should be applicable to directing the Adirondack semester.

I have some other experience with administration and curricular development. All of this is embedded in my 10pt font CV, but let me point out that I am currently finishing my second, but non-consecutive, four year term as Chair of Environmental Studies with all of the curricular, student, budget and staff supervision that that entails. I have had 50 plus advisees each year for the past 5 years. In addition to the department secretary, student assistants, ESL assistants, and of

course, departmental faculty, I also interact (not quite enough) with the 20 or so faculty whose courses are dual-listed. It should go without saying that curricular development is continual within the multiple options or majoring in environmental studies, especially as new faculty offer new courses from within the department and the broader program. None of the courses that I have taught are courses that I had taken in school. For many of them, I am unaware of comparable courses (other than intro to environmental studies) at similar colleges. My interests in curricular development should also be evident in my work on the university's Academic Affairs Committee on which I have served for 8 years total, three of those years (non-consecutively) as chair. I have also participated in FYP/FYS for two (non-consecutive) three years terms. I would like to bring all this experience to on-going development of the Outdoor Studies Minor in ways that are broadly inclusive of all interested faculty and which solidify the minor within the over-arching environmental curriculum at St Lawrence.

The possibility of developing another off-campus program in the region is very exciting. Two that immediately come to mind are a program on rivers and/or a program on agriculture. A River semester might be situated on Ogden Island or on NYPA lands along the St Lawrence River with which I am familiar from my research on mussels and fluoride impacts. I could easily adapt my water pollution course to such a program. An ecology course would be an obvious choice. Glenn Harris might be lured into teaching a land use course centering on seaway issues. I'd like to see a course on environmental justice issues, particularly with respect to the Mohawks. I have a couple of contacts in the St Regis Mohawk Environment Division. Randy Hill and I once considered team-teaching such a course. A cultural course on writers, painters, weavers, other crafters along the river would make a nice compliment to the Adirondack semester creative expressions course. This program could easily be run in the fall semester. Outdoor components would include canoeing different portions of the river. A pontoon boat (rental?) would be essential if the students lived on an island. For comparison (or as a whole different river semester) students could canoe from the upper Hudson downriver. An agriculture program could be housed at the ESL (if ENVS consents), although that may not be far enough from campus to feel 'away'. I could teach my sustainable agriculture course. I'm now teaching a fiber course based on the concept of local-fiber, parallel to the local food movement. Students tell me it should be an AEX course (!) Agro ecology would make sense. A fourth course or a half unit comparable to the internships the Adk students now do, would base the students at particular farms for one day of the week, then a 2 week stint near the end. Obviously interest in local food is currently high among students.

I am aware of, but know the least about, the guide program and on-campus course offerings in OS. Guides have supported my outdoor excursions in my FYP colleges (all six semesters). In addition to being useful, they were all wonderful role models for the first year students. The OS staff is experienced and competent (Royce, Craig, and McDonald). Two are former Envs majors. A number of the guides are Envs majors so I hear them discuss their experiences. On this aspect of the position, I would have the most to learn. In this, as in most of the program, I would expect to keep things running the same for at least the first year, then, in consultation with staff, faculty, and students, implement any needed changes.

Best regards,
Carrie Johns, Chair and Associate Professor of Environmental Studies

Curriculum Vita

April, 2009

Carolyn Johns

Associate Professor
Environmental Studies Dept.
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Education:

1984 Ph.D. Botany, University of Montana, Missoula, MT
Dissertation: *Sulfur to Nitrogen Ratios in Ponderosa Pine Foliage as Bioindicators of Foliar Sulfur Loading from Air Pollution.*

1975 B.A. Biology (Distinction in Major) Colby College, Waterville, ME

Professional Experience:

2008 – for awhile: Fippinger Professor of Science

1994 – present: Associate Professor of Environmental Studies, St. Lawrence University

2005 – present: Chair, Environmental Studies Department

1998 – 2001: Director of Environmental Studies Program

1988 – 1994: Assistant Professor of Environmental Studies, St. Lawrence University

Courses Taught: Envs 101: Introduction to Environmental Studies (many times)
Envs 201: Environmentalism and Sustainability (5 times)
Envs 247 SPTP: Management of Public Lands (twice)
Envs 248 SPTP: Ecological Sustainability: Fiber Traditions (spr 09)
Envs 261: Sustainable Agricultural Systems (8 times)
Envs 301: Pollution of Aquatic Ecosystems (many times)
Envs 302: Issues in Air Pollution (many times)
Envs 347 SPTP: Northern Forest Environmental Issues (once)
Envs 386/Soc 386: Adirondack/Appalachia Program (summer 10 times)
Envs 401: Senior Seminar (10 times)
Envs 404: The Green Backlash – Science and Politics of Environmental Critics
Envs 461 Research Seminar: Biological Monitoring of Environmental Contamination (heavy metals, PCBs, fluoride)
First Year College: Reflections and Connections – The Environmental Crisis (twice)
First Year College: Knowing Nature (1 year)
First Year College: Seeing the Forest for the Trees (3 semesters)
First Year Seminar: Re-Designing Life? (3 semesters)

February – June 1988, October – March 1984: Visiting Professor of Biology, Deep Springs College

Courses Taught: Introduction to Botany, Plant Physiological Ecology, Cell Biology,
Estuarine Processes and Environmental Problems, Field Identification of Plants

July 1985 – February 1988: Assistant Research Professor, Geology Dept. University of Montana
Collaborative studies with U.S. Geological Survey on temporal and spatial dynamics of selenium and arsenic in sediments and benthic bivalves in San Francisco Bay and Delta system.

July 1983 – July 1985: Post Doctoral Scholar, Geology Dept., University of Montana
Studies of trace metal transport and accumulation in reservoir sediments along the Clark Fork River, Montana, due to historical mining and smelting operations in the Butte-Anaconda district

Graduate Teaching experience: teaching assistant for 12 quarters in the Botany Department of the University of Montana 1976 - 1980: General Botany, Plant Physiology, Forest Pathology, Biological Effects of Air Pollution. Research Assistant one quarter in 1980 Statistical review of impacts of conifer forests by airborne fluoride from Anaconda Aluminum Company smelter.

Peer-Reviewed Publications:

- Johns, C. In Prep. Inter-annual variability of total copper, cadmium, and zinc in zebra mussels at multiple sites in the upper St. Lawrence River: 1994-2005. for submission to *Environmental Monitoring and Assessment* (mostly done)
- Johns, C. In Prep. Quagga Mussels as Bio-monitors for selected trace metals in the St. Lawrence River – 1996-2005. For submission to *Journal of Great Lakes Research* (data complete)
- Johns, C. , Clark, E. and Skeels, M. In prep. Different Mussels, Different Stories – Dreissenid mussels are not interchangeable as biomonitors in the St. Lawrence River. In prep. (data almost complete)
- Johns, C. and J Pagano. In Prep. Zebra Mussels as Bio-monitors of PCBs in the Upper St. Lawrence River. For *Journal of Great Lakes Research* (final sample analysis in progress)
- Johns, C. 2001. Spatial distribution of total cadmium, copper and zinc in the zebra mussel (*Dreissena polymorpha*) along the upper St. Lawrence River. *J. Great Lakes Res.* 27(3): 354–366.
- Johns, C. and B.E. Timmerman. 1998. Total cadmium, copper, and zinc concentrations in two Dreissenid mussels, *Dreissena polymorpha* and *Dreissena bugensis*, at the outflow of Lake Ontario. *J. Great Lakes Res.* 24(1): 55-64.
- Johns, C. 1995. Contamination of riparian wetlands from past copper mining and smelting in the headwaters region of the Clark Fork River, Montana, USA. *J. Geochemical Exploration* 52: 193-203
- Luoma, S.N., C. Johns, N. Fisher, N.A. Steinberg, R. Oremland, and J. Reinfelder. 1992. Determination of selenium bio-availability to a benthic bivalve from particulate and solute pathways. *Environ. Sci. Techn.* 26(3): 485-491.
- Johns, C. and S.N. Luoma. 1990. Arsenic in benthic bivalves of San Francisco Bay and the Sacramento/San Joaquin River Delta. *Sci. Total Environ.* 97/98: 673-684.
- Moore, J. N., Brooks, E. and Johns, C. 1989. Grain Size partitioning of Metals in Contaminated , Coarse -Grained River Floodplain sediment: Clark Fork River, Montana, U.S.A. *Environ. Geol. Water Sci.* 14(2): 107-115.
- Johns, C., S. N. Luoma, and V. Elrod. 1988. Selenium accumulation in two benthic bivalves and fine sediments of San Francisco Bay, the Sacramento/San Joaquin River Delta, and selected tributaries *Estuar. Coastal Shelf Science* 27: 432-437.
- Moore, J. N., Johns, C., and Ficklin, W. 1988. Partitioning of Arsenic and Metals in Reducing Sulfidic Sediments. *Environ. Sci. Techn.* 22(4): 432-437.
- Johns, C. and Moore, J. N. 1985. Copper, Zinc and arsenic in bottom sediments of Clark Fork River Reservoirs – Preliminary Findings. Proceedings of the Clark Fork River Symposium, April 19, 1985, (Montana Academy of Sciences and Montana College of Mineral Science and Technology).
- Rice, P.M., Tourangeau, P.C., Johns, C., and C.C. Gordon. 1984. Baseline Sulphur and Fluoride Concentrations in Indigenous Plants Common in the Northern Great Plains. *Environ. Pollution* 7(3): 233-246.

Book Reviews:

- Johns, C. 2009 Review of Farming and the Fate of Wild Nature – Essays in Conservation-Based Agriculture edited by Daniel Imhoff and Jo Ann Baumgartner (2006) (Watershed Media, Healdsburg) Invited review *Agricultural History* 83(1): 129-130. Winter 2009

Presentations: (all post-tenure; some with published extended extracts)

- Clark, E., Johns, C. and Skeels, M. 2009. Differential uptake of three metals from the dissolved phase by Dreissenid mussels, *D. polymorpha* and *D. bugensis*. Abstract to be submitted May 2009 for The 30th annual meeting of the Society for Environmental Toxicology and Chemistry. November, 2009 in New Orleans, LA
- Johns, C. 2008. Total Copper, Cadmium, and Zinc in Zebra Mussels of the Upper St. Lawrence River, NY: 1994 – 2005. Presented at the 51st Annual Conference of the International Association of Great Lakes Research. May 19-23, 2008 at Trent University, Peterborough, Ontario, Canada.
- Winkowski, J. and Johns, C. 2007. Total Copper and Cadmium Concentrations of Aquatic Insects in Northern New York and the Adirondack Region. Poster Presentation at the 28th Annual Meeting of the Society of Environmental Toxicology & Chemistry, Milwaukee, WI, November 11-15, 2007.
- Johns, C. 2006. Quagga mussels (*D. bugensis*) as biosentinels for trace metals in the upper St. Lawrence River, New York, USA. Poster presentation at the 27th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Montreal, Quebec, Canada, November 5-9, 2006
- Johns, C. 2005. Condition Index of Dreissenid Mussels: A Useful Indicator of Chronic Metal Stress? Poster presentation at 26th annual meeting of the Society of Environmental Toxicology and Chemistry, Baltimore, MD November 2005.
- Johns, C. 2003. Field-based Comparison of Metal Bioaccumulation in Two Dreissenid Mussels. Poster presentation at the 24th Annual Meeting of the Society of Environmental Toxicology and Chemistry. Nov. 9-13, 2003 in Austin, Texas.
- Johns, C. 2002 Inter-annual Variability of Copper, Cadmium, and Zinc in Zebra Mussels from the Upper St. Lawrence River: 1994-2000. Presented at the 23rd Annual Meeting of the Society of Environmental Toxicology and Chemistry. Nov. 16-20, 2002 in Salt Lake City, UT
- Pagano, J. J. and Johns, C. 2002. Zebra mussels as environmental biomonitors: short-term temporal variation in PCB congener pattern and concentration. Presented by J. Pagano in August at the Annual Meeting of the American Chemical Society. 5 page extended abstract published in the proceedings.
- Capsello, S., Pagnao, J. J., Johns, C., and Summer, G. 2002. Zebra mussels as environmental biomonitors: Short term temporal variation in polychlorinated biphenyl (PCB) congener pattern and Concentration. Presented by Scott Capsello at Great Lakes Research Consortium – Annual Meeting March 15-16, 2002 at SUNY Syracuse-ESF.
- Johns, C. 2001. Can a bioaccumulation model successfully predict multi-year trends of cadmium in zebra mussels? Presented at the 22nd Annual Meeting of the Society of Environmental Toxicology and Chemistry, November 11-15, 2001, Baltimore, MD.
- Johns, C. 1999. Condition Index of Zebra Mussels, *Dreissena polymorpha*, as related to copper and cadmium concentrations in mussels from the St. Lawrence River. Presented at the 20th Annual Meeting of the Society of Environmental Toxicology and Chemistry, November 14-18 1999, Philadelphia, PA
- Johns, C., M. McCallum, and D. Phelps 1999. Inter-annual variability of cadmium and copper in zebra mussels (*Dreissena polymorpha*) at selected sites along the upper St. Lawrence River: 1994 – 1997. Presented at the 6th Annual International Conference on the St. Lawrence River Ecosystem, April 26-28th, 1999, Cornwall, Ontario.

McCallum, M., Johns, C. and Pagano, J. 1999. Bioaccumulation of PCB and trace metals by the zebra mussel (*Dreissena polymorpha*) along the upper St. Lawrence River. 6th Annual International Conference on the St. Lawrence River Ecosystem April 26-28th, 1999, Cornwall, Ontario.

Johns, C. 1997. Bioaccumulation of trace metals by the zebra mussel (*Dreissena polymorpha*) in the St. Lawrence River. Poster presentation at the Aquatic Sciences meeting of the American Society of Limnology and Oceanography, Santa Fe, NM Feb. 10-14, 1997. (focused on 1994 data, 14 sites)

Johns, C. and B. Timmerman. 1995. Copper, cadmium, and zinc concentrations in zebra and quagga mussels from the St. Lawrence River bordering New York. Poster presentation at the 5th International Zebra Mussel Conference, Feb. 21-24, 1995, Toronto, Ontario.

Johns, C. 1993. An assessment of contamination of riparian wetlands by metals from past mining and smelting activities in the headwaters region of the Clark Fork River, Montana, USA. Paper presented and extended abstract in: R.J. Allan and J. O. Nriagu (eds.) Proceedings of the 9th International Conference on Heavy Metals in the Environment, 12-16 Sept. 1993, Toronto, Canada. Vol. 2, pp. 329-332. (CEP Consultants, LTD., Edinburgh).

Note: B. Timmerman, D. Phelps, M. McCallum, E. Clark and J. Winkowski are undergraduate students with environmental science combined or double majors. S. Capsello is an undergraduate student in chemistry at SUNY Oswego.

Some, not all, Pre-tenure Presentations:

Johns, C., S.N. Luoma, N.A. Steinberg, and R. Oremland. 1991. Significance of Ingestion of Contaminated Sediment to the Bioaccumulation of Selenium by a Deposit-Feeding benthic Bivalve, *Macoma balthica*. Paper presented and extended abstract in: J.G. Farmer (Ed.) Proceedings of the 8th International Conference on Heavy Metals in the Environment. 16-20 September, 1991. Edinburgh, Scotland. Vol. 2, pp. 157-159. (CEP Consultants, Ltd., Edinburgh).

Johns, C. S.N. Luoma, and V. Elrod. 1988. Processes Affecting Selenium and Arsenic Concentrations in Benthic Bivalves of the Sacramento-San Joaquin River Delta and Upper San Francisco Bay Estuary. International Symposium on the Fate and Effects of Toxic Chemicals in Large Rivers and Their Estuaries. October 10-14, 1988, Quebec City, Quebec, Canada.

Johns, C. 1987. Accumulation and Partitioning of Arsenic in Emergent Macrophytes in a Reservoir Contaminated with Mining Wastes. Poster presentation and extended abstract In: S.E. Lindberg and T.C. Hutchinson (Eds.) Proceedings of the 6th International Conference on Heavy Metals in the Environment, September 15-18, 1987. New Orleans. Vol. 1, pp. 457-459. (CEP Consultants, Ltd., Edinburgh)

Johns, C. and S.N. Luoma. 1986. Distribution of Selenium and Arsenic in Benthic Bivalves from San Francisco Bay and the San Joaquin Delta. Invited paper to Special Session: Water Quality Issues Associated with Agricultural Drainage in Semi-Arid Regions. American Geophysical Union, Fall Meeting, Dec. 8-12, 1986, San Francisco, CA.

Johns, C. and J.N. Moore. 1985. Heavy Metals in Bottom Sediments of Clark Fork River Reservoirs - Preliminary Findings. Invited paper to Clark Fork River Symposium, April 19, 1985. Montana College of Mineral Sciences and Technology, Butte, MT.

Johns, C. and J. N. Moore. 1984. Heavy Metal Accumulation in Some Reservoirs of Northwestern Montana. Presented at Geological Society of America, Rocky Mountain Section, Annual Meeting, May 5-10, 1984. Durango, CO.

Johns, C., J.N. Moore, and M.L. Sullivan. 1984. Distribution of Heavy Metals in Surface Sediments of Milltown Reservoir, MT: Source of Contaminants for Surface and Ground Water. North-West Scientific Association & Montana Academy of Sciences, Annual Meeting, March 21-24, 1984, Missoula, MT.

Johns, C. 1983. Seasonal Variation in Sulfur, Nitrogen, and S:N Ratios in Ponderosa Pine in Western Montana. Paper presented at Botanical Society of America, Pacific Section, Annual Meeting, June 19-23, 1983, Utah State University, Logan, UT.

Johns, C. 1983. Air Pollution Induced Elevation of Foliar Sulfur and S:N Ratios in Ponderosa Pine in Western Montana. Paper presented at Botanical Society of America, Pacific Section, Annual Meeting, June 19-23, 1983. Utah State University, Logan, UT.

Grant Proposals Awarded only while at St Lawrence (all post tenure)

2009 Andrew W. Mellon Foundation “Environmental Education Initiative for Active Learning, Research, and Advocacy” \$800,000 over five years. Multiple co-authors.

2006 Small faculty research grant award \$600 for travel to work with C.C. Gordon archival materials related to fluoride impacts from smelters and coal-fired power plants at the Mansfield Library of the University of Montana.

2004. Gao, N., Baldwin, B., Barthelmess, E., Johns, C., Robinson, S., Budd, C., Cady, C., Olsen, B. *MRI: Atmospheric and Aquatic Environmental Instrumentation for Monitoring Climate, Atmospheric, and Aquatic Environmental Processes in Northern New York*. National Science Foundation award: \$194,476 EAR-0421249 (2004-2007).

2001-2002. Large faculty research grant award *Bioaccumulation of Selected Trace Metals by Two Species of Dreissenid Mussel along the St. Lawrence River in New York*. \$2500 for travel to U.S. Geological Survey in Menlo Park California to undertake analysis on zebra and quagga mussel tissue samples on their ICAPS. June 2002

2001? ALCOA Foundation “Integrated Science Education Initiative” (Start-up funding for ISEI Including equipment, supplies, and research funding) ISEI Faculty and Staff \$30,000

Wachmeister Family – “Integrated Science Education Initiative” (ISEI Project Funding – Equipment and Field Station/Classroom) ISEI Faculty and Staff \$1,000,000

McGraw Foundation – “McGraw Challenge: Integrated Science Education Initiative” (challenge grant in support of ISEI; provided direct support for equipment and research) ISEI Faculty and Staff \$75,000. (2001 ?)

Rockefeller Brothers Foundation “GIS Technology for Global Studies and the Sciences” (GIS systems project support for ISEI and Global Studies including curriculum development and faculty development) ISEI Faculty and Staff & others \$290,000 (2002?) Helped with site visit of representative.

Proposals Submitted but Not Awarded:

Proposal to the Keck Foundation 2001? – later successful with the Wachmeister family in a revised form

NSF – Major Research Instrumentation Program (submitted January 2003)

“Acquisition of a System for Monitoring Climate and Atmospheric Processes in North New York (equipment) subset of ISEI Faculty and Staff \$79,207. (revised and re-submitted, and awarded as above)

Johns, C., Pagano, J.J., and Jock, K. 2002. *PCB Movement through an Aquatic Food Web near the Massena Area of Concern*. proposal submitted to the New York Great Lakes Consortium, NYS Dept. of Environmental Conservation and the NY Great Lakes Basin Advisory Council under the Small Grants Program of the NY Great Lakes Protection Fund. Requested: \$6650

Johns, C. and Pagano, J.J. 2002. *Will Dredging Restore the Mohawk Aquatic Food Web? A pre-proposal submitted to the Great Lakes National Program Office*. Requested: \$239,960 (not selected for development of full proposal – 1 of 92 Pre-proposals submitted in that round; four were selected from the 92 submitted. Revised and re-submitted spring 2003, also not selected then either)

Recent Research with Students (SYEs unless otherwise noted and mostly chronological only back to 2000)

Clark, Eric (Env-Chemistry) Spring 2009. Uptake of selected metals from the dissolved phase by two Dreissenid mussels with comparison of assimilation into cytosol versus inert cellular compartments. Potential for honors, pending review upon completion. With Matt Skeels of the Chemistry Dept.

Young, Jessica (Env. Studies) 2008-2009. Overview of Recent Trends in Acid Deposition in the Adirondacks: Deposition chemistry, impacts and policy.

Keszey, Jacob (Env studies). Fall 2008 and Spring 2009. Green tea: a comparative analysis of sustainable production in Kenya and India. Outcome of two CIIS student-faculty research grants.

Hunter Lamere (Env Studies) Spring, 2008. Assessing BION, Inc – Agricultural Futures for St. Lawrence County, NY

Katie Craig (Env Studies) Fall 2007. Proposal for Composting of Food Waste at St. Lawrence University

Charlie Giffin (Env Studies & Economics double major) Fall 2007. Transitioning to Organic Dairy Farming: Challenges and Opportunities.

John Winkowski (double major Biology & Env Studies) 2006-2007. Total Copper and Cadmium Concentrations of Aquatic Insects in Northern New York and the Adirondack Region.

Will Hackett (double major Geology & Env Studies) 2006-2007. Atrazine Residues in Selected Streams of St. Lawrence County Influenced by Agricultural Run-off.

Amanda Dox (combined major Government-Env Studies) 2007. Environmental Policy Analysis of the G.W. Bush Presidency

Joe Kondrtowicz (combined Biology-Env Studies) 2007. Envs Reader for Honor Thesis: A Comparison of Eight Stormwater Detention Ponds in St. Lawrence County. Adviser: Dr. K. McKnight.

Audrey Svoboda (Env Studies- Government combined) 2006. Gendered Dimensions of Agriculture: The Experience of the Modern Woman Farmer. *And Local Examination of Feminist Ideals In the Agricultural Community: Intersections of Locality, Agency, and Experience.*

David Weston (Env Studies – Biology combined) Fall 2005. Climate Change and Regional Phenological Monitoring: *Trillium* Species as Potential Indicator of Climate Change.

Margaret Robinson (Env. Studies – Sociology combined) 2005-2006 Honors Thesis: Strategic Difference: A Comparative Analysis of the Impacts of Organizational Structure on the Tactics and Framing Used by Three Environmental Social Movement Organizations.

Panday, Prajwal (Env Studies –Chemistry combined) Spring 2005 Comparative Analysis of Urban Water Quality: Kathmandu, Nepal and Nairobi, Kenya. (combined two travel grants)

Matthew Judge (Env Studies & Sociology double major) 2005- 2006. Preliminary Investigation of Total Mercury in Aquatic Insects of Northern Adirondack and North Country Rivers.

Mitch Singheim (Env Studies- Economics combined) 2005. Analysis of ALCOA’s Hydrogen Fluoride Emissions: Are Conditions Improving into the 21st Century?

Jennifer Godin (Env Studies Sociology combined) 2004. Honors Thesis. Dairy Farmer’s Demise: Implications of Power Structures in the U.S. Dairy Industry

Rachel Kelley, Kris Van Naerssen, Kara Kushmerek, Heidi Marsella, and Jessica Townsend (Envs 401 Senior Research Seminar, Fall 2001) Active Bio-Monitoring for PCBs Using Caged Zebra Mussels in the St. Lawrence River.

Mike McCallum. (Env Studies – Chemistry combined) 2001. PCBs in Zebra Mussels: Monitoring along The Upper St. Lawrence River.

Justin Hanna (Env. Studies) 2000. Total Copper in Zebra Mussels from the St. Lawrence River and Finger Lakes Region.

Additional Conferences Attended:

2007 50th Annual Meeting of the International Association for Great Lakes Research, Penn State University, PA May 28-June 3, 2007

2004 24th Annual Meeting of the Society for Environmental Toxicology and Chemistry

2003 “Strengthening Our Relationship to the Earth” Presented by The Akwesasne Task Force on the Environment, May 22-23, 2003. Kanatakon Recreation Centre, Hogansburg, NY.

2000 21st Annual Meeting of the Society for Environmental Toxicology and Chemistry

1998 19th Annual Meeting of the Society for Environmental Toxicology and Chemistry November 16-20th Charlotte, NC. Participated in short course.

1996 17th Annual Meeting of the Society for Environmental Toxicology and Chemistry November. Washington, D.C.

Pedagogy/Professional Development Workshops:

“Canaras” FYP workshops May, 2004-2006 held in the student center

Plagiarism workshop by Steve Horwitz, spring 2002

TechFest March 2000 Blackboard (all day)

Use of peer-review in the classroom – Paul Graham? English Dept, March, 2003
Student culture Feb? 2003
Plagiarism – day-long session Jan 2003
Use of GIS workshop 1-4 pm Jan, 2003 Tech Fest
2 brief workshops on scanning and editing of scanned images, Jan 2003

GIS Applications in Environmental Toxicology: An Introduction. One day Short Course at the 20th annual meeting of the Society of Environmental Toxicology and Chemistry, November 14-19, 1999, Philadelphia, PA

Great Lakes Research Consortium – National Science Foundation Summer Program: Applied Environmental Problem Solving - New approaches and techniques for undergraduate Faculty to stimulate undergraduate science students by addressing real environmental Problems. June 7- June 22, 1998 at SUNY Oswego, Oswego, NY

St. Lawrence University Summer Writing Institute (1998) Two day workshop at St. Lawrence University, May, 1998.

Use of the AQUATOX Model – One day short course at the 19th annual meeting of the Society of Environmental Chemistry and Toxicology, November 16-20, 1998, Charlotte, NC

Lily Conference on Teaching – Miami University, OH October 1994 (3 days)

Reports (non-peer-reviewed):

Johns, C. and S.N. Luoma. 1987. Accumulation of Selenium in Benthic Bivalves and Fine-Grained Sediments of San Francisco Bay, the Sacramento-San Joaquin River Delta, and Selected Tributaries, 1984-1986. U.S. Geological Survey Open-File Report 87-652. (USGS internal peer-review)

Johns, C. and J.N. Moore. 1986. Trace Metals in Reservoir Sediments of the Lower Clark Fork River, Montana. Final Report to the Montana Water Resources Research Center, Montana State University, Bozeman, MT.

Woessner, W.W., J.N. Moore, C. Johns, M. Popoff, L. Sartor, M.L. Sullivan. 1984. Arsenic Source and Water Supply Study, Milltown, Montana. Prepared for the Solid and Hazardous Waste Bureau, Montana Department of Health and Environmental Sciences, Helena, MT.

Rice, P.M., J.J. Bromenshenk, and C. Johns. 1981. Environmental Effects of Syn-fuel Effluents. Prepared for Argonne National Laboratory, Argonne, IL.

Tourangeau, P.C., P.M. Rice, and C. Johns. 1981. An Overview of Documented Air Pollution Impacts Induced by Fumigations Approximately Equal to or Below Class II Levels. Prepared for the Confederated Colville Tribes, Nespelem, WA.

Johns, C. 1980. 208 Water Quality Management Plan for the Missoula Soil Conservation District. *and* 208 WQMP for the Mineral County Soil Conservation District, Montana.

Membership in Professional Societies

American Institute for Biological Sciences (since 1988)
American Society for Limnology and Oceanography (1988-2002)
Ecological Society of America (since 2001)

International Association of Great Lakes Research (since 2000)
Society of Environmental Toxicology and Chemistry (since 1996)

Other Professional Activities:

Reviewed manuscripts for publication in:

Environmental Monitoring and Assessment
Environmental Pollution
Environmental Science and Technology
Science of the Total Environment
Estuarine, Coastal and Shelf Science
2nd Clark Fork River Symposium , 1990
Journal of Geochemical Exploration

Reviewed grant proposal for National UnderSea Research Center

Community Service:

St. Lawrence University:

Carbon Neutrality Planning Group December 2008 – on-going.
Conservation Council 2007 - 2009
Search Committee member, Academic Affairs – new Associate Dean for Faculty Affairs K Schonberg to replace L Regosin) Fall 2007.
Search Committee (Chair), Environmental Studies (TT Monz replacement) 2007-2008 (Backlund hire)
Middle States Working Group – Standards 10-12 (2006-2007)
FYProgram ad hoc peer review committees for Mary Hussmann (F'05?) and Caroline Brashears (F ' 06?)
Search committee member, Env Studies (Schwartz replacement) 2006-2007
Search committee member, Government Dept search (Lammers replacement) 2005-2007 (Morriscoe hire)
Charter member of ISEI and regular participant – esp Watershed Project group (except for 2005-2007 when meetings were scheduled during class times)
Environmental Studies Search Committee (TT) Recreation, Ecotourism and Env Educ. (Monz hire) (02-03)
Environmental Studies Search Committee (VAP) Welch hire (01-02)
Environmental Studies Search Committee – (TT) Recreation Resource Management (Fredrickson hire F98-S99) and Chair of Search for (TT) Ecological Sustainability position (Rivers hire 1998-1999)
Science Facilities Planning meetings attended variously from 1997-2002 ass representative from ENV5
Faculty Advisor to GreenHouse-Low Impact Living theme cottage: S98- Spr 2005
Academic Affairs Committee, Fall 1996 – Spr 2000 (Chair 99-00); Spr 2003 – 2007
Chaired committee 2004-2006
Multifield Major Committee, Fall 1996 – 2003 (Chair 00-01, F01, F02- F03)
Academic Standing Committee, August, 1993 - May 1996; Dec 2002 – Spr 03)
Chair of FYP College: Reflections & Connections (95-95, 96-97)
Peer Review Committee for consideration for tenure: Ken Gould, 1996
Peer review committee for promotion of Ken Gould to Associate Professor, Jan. 95
International Education Special Appeal Committee - Fall 1995 - ongoing
Summerterm Advisory Committee - 1995 – 1996
Economics Search Committee – Env Economist (TT) S98 (C. Rich hire)
Biology Search Committee – VAP 2yr Ecology – 99-00 (McGee hire)
Biology Search Committee – (TT) Invertebrate Zoologist - Spring 1995 (Baldwin/Mayer)
Biology Search Committee – (TT) Vertebrate Zoologist - spring 1995 (K. Lipps)
Math Search Committee (TT) – computer science – spring 1999 (B. Ladd)
Chemistry Search Committee (TT)– Analytical Chemist – spring 2000 (N.Gao)

Buildings and Grounds Planning Committee, Sept. 1989 - May, 1991
Committee on the Status of Women, Sept, 1989 - May, 1993
Board of Advisors to North Country Research Center, Fall, 1990 to Sept. 1992.
Botanist/Ecologist Search Committee (Biology Dept), Sept, 1992 - May, 1993
Search Committee for 3yrVAP (Recreations)Env Studies 95-96 (Fredrickson)
Search Committee for Visiting Assistant Professor in Env. Studies S1994 (Fadden).
Chair of Search Committee for Visiting Professor in Env. Studies, Spring 1990
Search Committee for Visiting Professor of Environmental Studies, 1988 - 1989.
ENVS Library Liason, 1990-1993
Faculty advisor to Environmental Studies Newsletter, Spring 1989 to Spring 1991,
Spring 1993
Chemical Hygiene Officer, 1991 - ?

Service Beyond SLU

Volunteer – Wool Spinning demonstrator: Ag Days for 4th graders at Cornell Co-op
Learning Farm (June 2007 and June 2008) & Farm Open House: June 2007
Member, Citizens Advisory Committee for the proposed St. Lawrence River National
Estuarine Research Reserve. Sept. 1994 - May 1995, 1996-1997
Member, Citizens Advisory Committee for the Massena Area of Concern, to NY
Dept. of Environmental Conservation Jan. 1989- Dec. 1991.
Member, St. Lawrence County Water Quality Advisory Committee
March, 1993 - August 1994.