

Gigi Berardi Professor
Huxley College of the Environment
Western Washington University
(360) 650-3284 or (360) 650-2106
gigi.berardi@wwu.edu

Curriculum Vitae

Education - Science

- Ph.D. Cornell University. Natural Resources. Specialization: Policy and Planning, Rural Sociology, Ecology and Systematics.
- M.S. Cornell University. Natural Resources. Specialization: Policy and Planning, Ecology and Systematics.
- B.A. University of California San Diego. Biology (magna cum laude).

Education - Arts

- M.A. University of California, Los Angeles. Dance. Specialization: Education (now titled, World Arts and Cultures).

Professional Experience

- 2014-present Chair, Department of Environmental Studies: Policy, Planning, Education, and Geography, Huxley College of the Environment, Western Washington University.
- 2009-2012 Project Director, Enhancing Resilience/Event-Based Scenario Planning. Resilience study funded by the National Institute of Food and Agriculture. Huxley College of the Environment, Western Washington University.
- 2008-2012 Affiliate Professor, School of Agriculture and Land Resources Management, University of Alaska Fairbanks. Affiliate Faculty, also 1993-2005.
- 2006-2009 Interim Director, Institute for Global and Community Resilience, Huxley College of the Environment, Western Washington University.
- 2001-2008 Chair, Department of Environmental Studies: Policy, Planning, Education, and Geography, Huxley College of the Environment, Western Washington University.

- 2000-2001 Acting Director, Center for Geography and Environmental Social Sciences, Huxley College of the Environment, Western Washington University.
- 1997-2004 Program Co-developer and Core Faculty, Tribal Environmental and Natural Resources Management Program, Northwest Indian College.
- 1995-present Faculty, Huxley College of the Environment, Western Washington University. (Appointed Associate Professor 1999, and Full Professor 2004.) On professional leave winter and spring quarters, 2013.
- 1981-1997 Visiting Associate Professor (1986-1997), Visiting Assistant Professor (summers) (1981- 1985), and Visiting Instructor (1975-1979), Department of Natural Resources, Cornell University.
- 1994-1995 Full-time faculty, The Evergreen State College.
- 1991-1992 Program developer, Coordinator, and Associate Professor, Environmental Studies, Gettysburg College.
- 1986-1991 Visiting Associate Professor, Environmental Biology, Loyola Marymount University.
- 1983-1986 Assistant Professor, Department of Environmental Science, Allegheny College. (Appointed Associate Professor, 1986.)
- 1979-1983 Assistant Professor, Department of Geography, University of Maryland Baltimore County. (University of Perugia, Italy, 1980-1981 academic year; Fulbright-Hays Award.)
- 1978-1979 Instructor, General Education, Hobart and William Smith Colleges.

Grants, Awards, and Honors

- 2012 Research Grant, Whatcom Community Foundation, Bellingham (\$5,000); smaller grant awarded in 2011.
- 2011 ADDY award (AAF-ADDY award) for “Our Farms Are at Risk” film, funded and produced by The Resilience Institute in conjunction with Hand Crank Film.
- 2009-2012 Principal Investigator (Rebekah Green, Co-PI) USDA/CSREES Competitive Programs (\$140,208) Enhancing Resilience of Small and Medium-Sized Farms Through Extreme Event-Based Scenario Planning.
- 2009 International "Green Good Design" Award for regional architecture category, faculty and students, Sustainable Planning in Greece program, Western Washington University.
- 2007 Award, Teaching-Learning Academy (for individual and collective achievements in teaching).

- 2004 Western Washington University Diversity Achievement Award.
- 2003 Finalist, Western Washington University Diversity Achievement Award.
- 2000-2003 Natural Resources Faculty and Advisor, core team member. Native American Environmental Technology Program renewal grant (\$600,000), Advanced Technological Education, Division of Undergraduate Education, National Science Foundation. (Phil Duran, principal investigator.)
- 2000 Fairhaven College Distinguished Teaching Colleague (winter).
- 1998-2001 Bureau of Faculty Research grants, Western Washington University.
- 1997-2000 Natural Resources Faculty and Advisor, core team member. Native American Environmental Technology Program grant (\$775,000), Advanced Technological Education, Division of Undergraduate Education, National Science Foundation. (Dan Burns, principal investigator.)
- 1999 Finalist, WWU Teacher of the Year Award.
- 1999 Selected as a participant in the Rural Geography Symposium 1999, "The New Countryside: Critical Questions for the Future of Rural Regions and Communities," in New Brunswick, Nova Scotia, and Prince Edward Island, June 24-June 30, 1999; representing the Contemporary Agriculture and Rural Land Use specialty group of the Association of American Geographers.
- 1999 Principal investigator, Partnership 2020 Sustainability Initiative of the W. Kellogg Foundation, grant awarded for \$9,000 to support development of an agroecology program at WWU.
- 1996 Research Grant, Bureau for Faculty Research, Western Washington University, for research on the origins of sanitation problems in Alaska Native villages.
- 1995 Office of the Dean, The Evergreen State College development grant for the Environmental Impact Assessment program.
- 1994 First-place Award for Excellence in Journalism, Health and Science Reporting, Public Radio. (Northwest) Society of Professional Journalists.
- 1992 Travel and Development Grant, The Indo-United States Program, American Institute of Biological Sciences, the U.S. Office of Naval Research, and the Gettysburg School District. With S. Cavaliere, to develop an India-U.S. educational exchange and to promote innovative teaching in environmental science.
- 1992 Research Grant, to conduct research on soil conservation and management in Kenya, and Library Acquisition Grant, to build the Environmental Studies Program library collection, Gettysburg College.

- 1991 Teaching Grant, The Pew Charitable Trusts, curriculum development with student fellows in classroom teaching at Gettysburg College.
- 1991 Research Grant, Western Rural Development Center, Oregon State University, to complete work on theoretical aspects of rural poverty in Alaska.
- 1984 Teaching Grant, Water Quality Analysis Laboratory Construction and Development, Allegheny College.
- 1980-1981 Fulbright-Hays Award for Research in Geography to study energy use in Italian agriculture, University of Perugia, Italy. Full-year stipend.
- 1978 Three-year Teaching Fellowship, Cornell University. (Awarded after three years of outstanding teaching service.)
- 1977-1978 Outstanding Graduate Student Teaching Award (awarded two consecutive years), Cornell University.

Publications (sole author/editor unless noted otherwise)

Books and Monographs

- 2001 Principles and Adaptation of the Tribal Environmental and Natural Resources Management (TENRM) Model for Tribal Colleges. With Dan Burns, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams, and Wayne Woods. Bellingham: Northwest Indian College. (Lead editor)
- 1987 Agricultural Soil Loss: Process, Policies and Prospects (Edited). With John M. Harlin. Boulder: Westview Press.
- 1985 World Food, Population and Development (Edited). Totowa, NJ: Rowman and Allenheld.
- 1984 The Social Consequences and Challenges of New Agricultural Technologies (Edited). With Charles C. Geisler. Boulder: Westview Press.

Articles and Chapters

- 2013 "Resilience in Agriculture: Small- and Medium-sized Farms in Northwest Washington State." With Rebekah Green and Bryant Hammond. *Journal of Sustainable Agriculture* 37(3): 316-339.
- 2011 "Stability, sustainability, and catastrophe: Applying resilience thinking to U.S. Agriculture." With Rebekah Green and Bryant Hammond. *Human Ecology Review* 18(2): 115-125.

- 2009 "Teaching and researching community resilience and disaster reduction" With Rebekah Green. Chapter 7 in *Ideas from an Emerging Field: Teaching Emergency Management in Higher Education*, pages 115-123. Fairfax, VA: Public Entity Risk Institute.
- 2005 "The Alaska Native Claims Settlement Act (ANCSA) --Whose settlement was it: An overview of salient issues." *Journal of Land, Resources & Environmental Law* 25(2): 131-137.
- 2004 "Unforgiving geographies and the unsettling of Alaska." *Journal of Land, Resources & Environmental Law* 24(3): 409-412.
- 2003 "The Tribal Environment and Natural Resources Management approach to Indian education and student assessment." With Dan Burns, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams and Wayne Woods. *Journal of American Indian Education* 42(1): 58-74.
- 2003 "Learning about rural Alaska Native economies in transformation: An application of participatory research methods." Chapter 20 in *The New Countryside: Geographic Perspectives on Rural Change*, 294-309. Halifax, N.S.: Saint Mary's University.
- 2002 "Commentary on the challenge to change: Participatory research and professional realities." *Society and Natural Resources* 15: 847-852.
- 2002 "Science and culture in a curriculum for Tribal Environmental Management: The TENRM program at the Northwest Indian College: An innovative, interdisciplinary Native American curriculum." With Dan Burns, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams, and Wayne Woods. *American Indian Culture and Research Journal* 26(3): 47-64.
- 2002 "Changing the way America farms: Knowledge and community in the sustainable agriculture movement." *Ethics, Place, and Environment* 5(1): 73-77. (Review Essay).
- 2002 "Science education in tribal homelands." With Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams, and Wayne Woods. *Environmental Practice* 4(2): 70-71. (Essay)
- 1999 "Rural sanitation and participatory research in an Interior Alaskan village." With Shannon Donnelly. School of Agriculture and Land Resources Management, University of Alaska Fairbanks, Misc. Publication 99-7.
- 1999 "Schools, settlement, and sanitation in Alaska Native villages." *Ethnohistory* 46 (2): 329-359.
- 1999 "Rural participatory research in Alaska: The case of Tanakon village." With Shannon Donnelly. *Journal of Rural Studies* 15 (1): 171-178.
- 1998 "Application of participatory rural appraisal in Alaska." *Human Organization* 57 (4): 1-9.

- 1998 "Natural resource policy, unforgiving geographies, and persistent poverty in Alaska Native villages." *Natural Resources Journal* 38 (1): 85-108.
- 1993 With members of Rural Sociological Society Task Force on Persistent Rural Poverty, Working Group on Natural Resources. "Theories in the study of natural resource-dependent communities and persistent rural poverty in the United States." Chapter 5 in *Persistent Poverty in Rural America*, 136- 172. Boulder: Westview Press.
- 1987 "Agricultural Soil Loss: An Introduction." With John M. Harlin. Chapter 1 in *Agricultural Soil Loss: Processes, Policies and Prospects*. Eds. J.M. Harlin and G.M. Berardi, 1-5. Boulder: Westview Press.
- 1985 "Energy use in Italian agriculture: Alternatives to mineral fertilizers." *Biological Agriculture and Horticulture* 2: 321-244.
- 1984 "A time of research synthesis" and "Panel discussion excerpts from the 1981 Annual Meeting of the Rural Sociological Society." With C.C. Geisler. Chapters 1 and 20 in *The Social Consequences and Challenges of New Agricultural Technologies*. Eds. G.M. Berardi and C.C. Geisler, 3-8 and 325- 336. Boulder: Westview Press.
- 1984 "Energy efficiencies of farming wheat, corn, and potatoes organically." With D. Pimentel and S. Fast. Chapter 12 in *Organic Farming: Current Technology and Its Role in a Sustainable Agriculture*, 151- 161. Madison: American Society of Agronomy.
- 1984 "Solar energy applications in agriculture." Chapter 8 in *Food and Energy Resources*. Eds. C. Hall and D. Pimentel, 181-206. Orlando: Academic Press.
- 1984 "Asking the 'right' questions." *Journal of Environmental Education* 15 (3): 1-2.
- 1983 "Pesticide use in Italian food production." *BioScience* 33 (8): 502-506.
- 1983 "Energy efficiency of farming systems: Organic and conventional agriculture." With D. Pimentel and S. Fast. *Agriculture, Ecosystems and Environment* 9: 359-372.
- 1982 "Income adjustments by tobacco allotment-holders." *The Rural Sociologist* 2 (2): 81-84.
- 1981 "Consumi energetici nel sistema agricolo italiano." ("Energy consumption in the Italian agricultural system.") *Annali della Facolta di Agraria* (Universita degli Studi di Perugia) 35: 607-626.
- 1981 "Socio-economic consequences of agricultural mechanization in the United State: Needed redirections for mechanization research." *Rural Sociology* 46 (3): 483-504.
- 1981 "Can tobacco farmers adjust to mechanization? A look at allotment holders in two North Carolina counties." Chapter 8 in *The Tobacco Industry in Transition: Policies for the 1980's*. Ed. William Finger, 47- 61. Lexington: D.C. Heath and Co. (Lexington Books).

- 1978 "Organic and conventional wheat production: Examination of energy and economics." *Agro-Ecosystems* May: 367-376.
- 1977 "An energy and economic analysis of conventional and organic wheat farming." In *Food, Fertilizer and Agricultural Residues*, 439-447. Ed. R.C. Loehr. Ann Arbor: Ann Arbor Science Publishers, Inc.

Articles (Online)

- 2009 "Energy, Agriculture, and Food: National, County, and City Considerations"
(https://huxley.wvu.edu/sites/huxley.wvu.edu/files/media/Energy_Ag_Food.pdf)
- 2009 "Kenya-Starvation and Food Insecurity in the Land of Plenty"
(<https://huxley.wvu.edu/sites/huxley.wvu.edu/files/media/Kenya-food.pdf>)
- 2008 "Food Security: Ways Forward Through Cooperative Production and Marketing."
See EUROMED Sustainable Connections.
(http://faculty.wvu.edu/gberardi/resources/8-7-08%20FOR%20WEB_MARKETINGpdf.pdf)
- 2008 "Food Security and Sustainability: A Crisis of Culture and Policy."
See EUROMED Sustainable Connections
(<http://faculty.wvu.edu/~zaferan/Ithaca%20Curriculum/agriculture/3.1%20-%20Food%20Security%20and%20Sustainability.pdf>)

Book Reviews

- 2012 The Italian Way, Food and Social Life. Douglas Harper and Patrizia Faccioli. *Journal of Agricultural and Environmental Ethics* 25(6): 929-932.
- 2010 Partnerships for Empowerment: Participatory Research for Community-based Natural Resource Management. Edited by Carl Wilmsen, William Elmendorf, Larry Fisher, Jacquelyn Ross, Brinda Sarathy and Gail Wells. *The Geographical Journal* 176(1): 116-121.
- 2009 Thinking in Systems: A Primer by Donella H. Meadows. Edited by Diana Wright. *Biological Agriculture and Horticulture* 26(4): 425-426.
- 2009 Managing Agricultural Landscapes for Environmental Quality: Strengthening the Science Base. Edited by Max Schnepf and Craig Cox. *Biological Agriculture and Horticulture* 26(4): 423.
- 2009 Losing Ground: A Nation on Edge. Edited by J.R.Nolan and D.B.Rodriguez. *Biological Agriculture and Horticulture* 26(4): 423-424.

- 2008 Agroecology in Action. Extending Alternative Agriculture Through Social Networks, Keith Douglass Warner. *Biological Agriculture and Horticulture* 25(3): 287-288.
- 2007 The Earth's Blanket: Traditional Teachings for Sustainable Living, Nancy J. Turner. *Agricultural History* 81(2) Spring 2007: 294-295.
- 2003 Engineering the Farm: Ethical and Social Aspects of Agricultural Biotechnology. Edited by B. Bailey and M. Lappe. *Biological Agriculture and Horticulture* 21(3): 314.
- 2003 Agricultural Research Policy in an Era of Privatization, Edited by D. Byerlee and R.G. Echeverria. *Biological Agriculture and Horticulture* 21(3): 315.
- 2002 Managing Plant Genetic Diversity, Edited by J.M.M. Engels, V. Ramanatha Rao, A.H.D. Brown, and M.T. Jacjcon. *Biological Agriculture and Horticulture* 20(3): 275-277.
- 2001 Pruning and Training Systems for Modern Olive Growing, by Riccardo Gucci and Claudio Cantini. DSIRP Publishing. *Biological Agriculture and Horticulture* 18: 293-301.
- 2001 Organic Food Markets in Transition, by Carolyn Dimitri and Nessa J. Richman. Henry A. Wallace Center for Agricultural and Environmental Policy, Greenbelt, MD. *Biological Agriculture and Horticulture* 18: 298-299.
- 1999 Advances in Soil and Water Conservation, by F.J. Pierce and W.W. Frye, eds. Ann Arbor Press. *Biological Agriculture and Horticulture* 16(3):330.
- 1997 A New Era for Irrigation, by National Research Council. National Academy Press. *Biological Agriculture and Horticulture* 14(4): 365-366.
- 1997 Land Care: Rural Property Planning, by B. Matheson. Inkata Press, 1997. *Biological Agriculture and Horticulture* 14(2): 173.
- 1996 Democracy and Technology, by R.E. Sclove. The Guilford Press, 1996. *Rural Sociology* 61(3): 556-558.
- 1996 Dictionary of Agriculture: From Abaca to Zoonosis, by K.L. Lipton. Lynne Rienner Publishers, Inc., 1996. *Biological Agriculture and Horticulture* 13(3): 306.

Other Professional Publications, Media Production

- 2012 "Our Farms are at Risk." 2.5-minute film (based on our farm resilience research) produced by Hand Crank Films.
- 2009 City of Bellingham and Whatcom County Peak Oil Task Force. City of Bellingham and Whatcom County "Energy Resource Scarcity/Peal Oil Task Force Report." Bellingham, WA.

(Also see <http://www.cob.org/government/public/boards-commissions/energy.aspx>)

- 2002 “Environmental education in a Tribal college: An emergent learning community.” With Lynn Robbins, Huxley College, and faculty from The Tribal Environmental and Natural Resources Management Program, Northwest Indian College. Newsletter of the Washington Center for Improving the Quality of Undergraduate Education (based on conference presentation made at the 15th annual conference in Tacoma).
- 2002 “TENRM program continues to support the education of tribal leaders in the Natural Resources.” *Squol Quol*. Northwest Indian College, Bellingham, WA.
- 2001 "Closing the Circle." Video of the "Principles and Adaptation of the Tribal Environmental and Natural Resources Management (TENRM) Model for Tribal Colleges." With Phil Duran, Lynn Robbins, and Ted Williams. Bellingham: Northwest Indian College.
- 2000 “Environmental Studies: Tribal Environmental and Natural Resource Management Program.” With Dan Burns, Roberto Gonzales-Plaza, Phillip Duran, Lynn Robbins, Ted Williams and Wayne Woods. *The Learning Edge* (James R. Mahoney & Lynn Barnett, eds.), Community College Press, Washington, D.C. 239-260.
- 1997 Toxic Waste Audit. Course manual, Natural Resources Management (Geography 461), Huxley College. Revised edition (edited by Kelly Laravie). First edition, 1995. Course manual, Environmental Impact Assessment, The Evergreen State College, Olympia.
- 1992 With other members of the Rural Sociological Society Task Force on Persistent Rural Poverty, Working Group on Natural Resources. White paper. “Theories in the study of natural resource-dependent communities and persistent rural poverty in the United States.”
- 1985 “Agricultural export demand and farm policies: Implications for soil loss in the U.S.” Selected for publication in *Papers and Proceedings of Applied Geography Conferences*, Eds. J.W. Frazier, B.J. Epstein, and F.A. Schoolmaster. Vol. 8, 42-56. Denton: North Texas State University. (Also presented, October 1985, at the Applied Geography Conferences Annual Meetings, Denton).
- 1984 “World food and population: A look at the issues.” *Allegheny* 4 (3): 35-37.
- 1982 “Adjustments by tobacco allotment holders no longer growing tobacco: The case of Wayne and Greene counties, North Carolina.” With Michael D. Schulman. Report SOC 74, NCARS Project 5487. Departments of Sociology and Anthropology, North Carolina State University, Raleigh.

Other Writing

2012-present www.farmresilience.org

2011 Invited op-ed piece, *Bellingham Herald*, 6/5/11 (farm resilience)

2010-present Resilient Farms/Nourishing Foods Blog (over 125 entries in 2010-2011)

2008-present Resilience Institute/Bounce Back Blog

2008-present Finding Balance Blog

2004 Featured column, *Teaching at Western*. Window on Western.

1986-present Over 350 feature articles and reviews in the *Anchorage Daily News*, *Los Angeles Times*, *The Olympian*, *Bellingham Herald*, and other print and broadcast media and at conferences.

In Review

Book-length monograph, *A Cultivated Life: Finding Food Wisdom Through Experience* 50,000-70,000 words. Currently under agent review.

“Applying Resilience Thinking: County Organizing around Agricultural Water.” With Rebekah Paci-Green. In review for *Agricultural Systems*.

“Food Security: Challenges with Local Foods in Washington State.” With Rebekah Paci-Green and Jason Cornell. In review for *Agriculture and Food Security*.

“Resilience and Alaska Tribal Planning” in *A Handbook for Native American Planning: Towards an Indigenous Model of Tribal Reservation Planning*, ed. Nicholas Zaferatos.

In Preparation

Book, *The Ecology of Food*, with James Allaway 80,000 words, anticipated completion date: December, 2015.

Invited Book Review, *Acquired Tastes: Why Families Eat the Way They Do* (Brenda L. Beagan, Gwen E. Chapman, Josee Johnston, Deborah McPhail, Elaine M. Power, Helen Vallianatos, 2015). For *American Review for Canadian Studies*.

Invited Book Review, *Food Will Win the War, The Politics, Culture, and Science of Food on Canada's Home Front* (Ian Mosby, 2015). For *American Review for Canadian Studies*.

Professional Papers, University Seminars, and Panels

(Nov. 2015) “Geographical terroir and the microecology of traditional fermented foods.” Paper to be presented at “Wise Traditions,” Weston A. Price Foundation annual meetings. Anaheim, CA.

- (Oct. 2015) "Resilience Thinking: Scales of Understanding Optimal Production for Maximum Food Security." International Conference on Global Food Security. Cornell University, Ithaca. Co-hosted with Columbia University.
- Apr 2013 "Back to the Future: Resilient Farmers, Resilient Agricultures." Poster-paper presented at Association of American Geographers Annual Meetings, Los Angeles.
- Nov. 2012 "Protecting Traditional Food Cultures." Poster-paper presented at "Wise Traditions," Weston A. Price Foundation annual meetings. Santa Clara, CA.
- Nov. 2011 "US Ag and Organic policies: Protecting US Organic Farms and Consumers?" Poster-paper presented at "Wise Traditions," Weston A. Price Foundation annual meetings. Dallas, Texas.
- Aug. 2011 Seminar, "Microbiology of Foods and Taste." University of Gastronomic Sciences (UNISG), Pollenzo, Italy.
- June 2011 "Hazardous US Agriculture: Indicators of Resilience." With Rebekah Green and Bryant Hammond. Paper presented at Joint Annual Meetings of Agriculture Food and Human Values Society, Missoula.
- Apr. 2011 "Threats to Small Farm Resilience." With Rebekah Green and Bryant Hammond. Paper presented at Association of American Geographers Annual Meetings, Seattle.
- July 2009 "Promoting Resilience to Extreme Events and Rapid Changes for Small and Medium-Sized Farms" (with Rebekah Green, Bryant Hammond, and Sam Ripley). Poster-paper presented at Agricultural Prosperity for Small and Medium-Sized Farms program of the National Research Initiative, CSREES, USDA. Milwaukee, Wisconsin.
- Sept. 2008 "Fair Trade Olive Oil and Community Resiliency in the Mediterranean." Paper presented at Society of Human Ecology international conference, Bellingham.
- Mar. 2008 "Food: A Crisis of Culture, Peace, and Freedom," EUROMED Sustainable Connections Project, Bellagio Conference Center, Bellagio, Italy.
- Jan. 2008 "The Future of Farming," Invited presenter, AS Environmental Center, Western Washington University. Bellingham.
- Nov. 2007 "Valuing Traditional Food Production Systems." Poster-paper presented at "Wise Traditions," Weston A. Price Foundation annual meetings. Chantilly, Virginia.
- Apr. 2007 "Building Undergraduate Programs: Where Environment and Emergency Management Meet." With Bradley F. Smith. Poster-paper presented at Association of American Geographers Annual Meetings, San Francisco.
- Mar. 2005 "Promoting Diversity in Learning and Teaching Styles." WWU Spring Commencement Address, Bellingham.

- Apr. 2005 "Multicontextuality in Policy Analysis Research." Poster-paper presented at Association of American Geographers Annual Meetings, Denver.
- Jan. 2005 "Academic Tribes and Territories: Promoting Diversity" (with Lynn Robbins). The WWU Turning Point Faculty Series, Bellingham.
- Mar. 2004 "Multicontextuality: A Hidden Dimension in Higher Education and Academic Research." Association of American Geographers Annual Meetings, Philadelphia.
- Feb. 2004 "Paradigms of Inclusion in Science." American Association for the Advancement of Science Annual Meetings, Seattle.
- Mar. 2003 "Curricula of Divergence and Exclusion in Tribal Settings: Whither TEK?" Association of American Geographers Annual Meetings, New Orleans.
- Feb. 2003 "Learning Communities and Tribal Education." American Association for the Advancement of Science Annual Meetings, Denver.
- June 2002 "Huxley College: Educating the Problem Solvers of the Future." WWU Board of Trustees presentation, Bellingham.
- Mar. 2002 "Reflections on Knowledge and Community in Sustainable Agriculture." Association of American Geographers Annual Meetings, Los Angeles.
- Feb. 2002 "Environmental Education in a Tribal College: An Emergent Learning Community." Together with Lynn Robbins, Huxley College, and faculty from The Tribal Environmental and Natural Resources Management Program, Northwest Indian College, presented at the 15th annual conference of the Washington Center for Improving the Quality of Undergraduate Education in Tacoma, Washington.
- Mar. 2001 "The Lenses of Culture in Natural Resources Management -- Philosophical and Practical Considerations." Association of American Geographers Annual Meetings, New York, New York.
- June 2000 "Creating Community Through Curriculum." NSF summer 2000 National Dissemination Conference on the Tribal Environmental and Natural Resources Management Program (TENRM), Bellingham.
- June 2002 "The Lenses of Culture." Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.
- June 2002 "Rural Participatory Research and Professional Realities." Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.

- June 2002 "Agroecology in Western Washington." With Terri Kempton. Poster-paper presented at the Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.
- Apr. 2000 "Environmental Studies and Geography in Academe: Co-optation or Cooperation?" session co-sponsored by the Contemporary Agriculture and Rural Land Use specialty group, Association of American Geographers Annual Meetings, Pittsburgh.
- July 1999 Speaker and workshop participant, Rural Geography Symposium 1999, "The New Countryside: Critical Questions for the Future of Rural Regions and Communities," Nova Scotia, and Prince Edward Island.
- May 1999 "The Development and Implementation of a Tribal Environmental Program and Natural Resources Management Program." Paper presented with Dan Burns at the "Transforming Campuses Through Learning Communities" annual meeting of the Washington Center for Improving the Quality of Undergraduate Education, Seattle.
- Apr.1999 "Environmental Partnerships Between Alaska Native Villages and Conservation Organizations: Kodiak Island." Paper presented in the "Politics of Environmental Protection" session co-sponsored by the Contemporary Agriculture and Rural Land Use, Cultural Geography, and Rural Development specialty groups, Association of American Geographers Annual Meetings, Honolulu.
- Feb. 1999 "The Seven S's -- Sovereignty, Subsidy, Shareholders, Settlement, Sanitation, and Schools -- in Economic Integration, Resource Policy, and Cultural Preservation in Remote Regions of the Circumpolar North." Western Regional Science Association 38th Annual Meetings, Ojai, California.
- Dec. 1998 Invited speaker, "Settlement and Sanitation in Remote Areas of Alaska: Implications for Environmental Quality and biodiversity" and "Agricoltura e Energia: Dove eravamo e dove siamo." Graduate Seminar Series Sezione di Microbiologia Applicata, Dipartimento di Biologia Vegetale, Universita degli Studi di Perugia, Perugia, Italy.
- June 1998 Invited speaker and workshop participant, "Communicating Across Cultures: The Ethics of Representation," sponsored by the Center for Canadian-American Studies at Western Washington University and the International Arctic Social Science Association, Bellingham.
- June 1998 Invited speaker for "Who Owns America? II: How Land and Natural Resources are Owned and Controlled." Sponsored by North American Program Land Tenure Center, University of Wisconsin and Lincoln Institute of Land Policy, Cambridge Massachusetts. "Natural Resource Policy, Unforgiving Geographies, and Persistent Poverty in Alaska Native Villages."
- June 1998 Invited speaker and session organizer, "Natural Resources Policy and Socio-Cultural Change." Second biennial conference of the Land Tenure Center and Lincoln Institute of Land Policy, University of Wisconsin, Madison.

- May 1998 Presenter, Honors Day 1998. Research conducted with Western student Liam Chinn, "Dayspring on the Kuskokwin: The Environmental History of a Western Alaskan Town." WWU Honors Day presentation.
- Mar. 1998 "The Challenge to Change: Rural Participatory Theory and Applications, Professional Realities, and the New High Ground." Session organizer and speaker, Association of American Geographers Annual Meetings, Boston.
- Apr. 1997 "The Environmental Unsettling of Rural Alaska: Settlements, Sanitation and Sovereignty." Association of American Geographers Annual Meetings, Fort Worth.
- Feb. 1997 "Ecological Agriculture: Development of Project Ideas for Funding." Directed focus group at the WSU Cooperative Extension and Area Farmers' Conference, "Small Farming in Western Washington: Linking Farms and Communities." Port Townsend.
- Apr. 1992 "Native Alaskan Populations at Risk." Association of American Geographers Annual Meetings, San Diego.
- Jan. 1992 Invited speaker and participant, "Impacting Environmental Awareness Through Teaching." International Conference on Methodologies in Pollution Control in River Cities of India, Varanasi, India.
- Apr. 1990 Invited panelist, Donald Innis Memorial Session on the Status of Rural Development: Case Studies and Panel Discussion. The Association of American Geographers Annual Meetings, Phoenix.
- Apr. 1988 Invited discussant, Structural Change and Industrialization of Agriculture: Symposium in Honor of Howard Gregor. The Association of American Geographers Annual Meetings, Phoenix.
- Apr. 1985 "Alternatives to Mineral Fertilizer Use in Italy." Poster-paper presented at the Association of American Geographers Annual Meetings, Detroit.
- Apr. 1984 "Energy Use in Italian Agriculture: Environmental Consideration." Paper presented in the specialty session on "Energy and Rural Development" at the Association of American Geographers Annual Meetings, Washington, D.C.
- Apr. 1983 "Direct Solar Energy Application in Agriculture." Poster-paper presented at the Association of American Geographers Annual Meetings, Denver.
- Apr. 1982 "A Regional Comparison of Energy Use and Environmental Impact of 'Progressive' Italian Agriculture." Poster-paper presented at the Association of American Geographers Annual Meetings, San Antonio.
- Nov/Dec 1981 "Energy Efficiency of Farming Systems." With D. Pimentel and S. Fast. Invited paper presented at the American Society of Agronomy – Crop Science Society of America - Soil Science Society of America Annual Meetings, Atlanta. Selected for publication in the proceedings of the 1981

Annual Meetings: CSSA - ASA - SSSA. Widely distributed as Chapter 12 in *Organic Farming: Current Technology and Its Role in a Sustainable Agriculture*.

Apr. 1980 "Socio-economic Consequences of Agricultural Mechanization in the United States: Needed Redirections for Research and Adjustment Programs." Association of American Geographers Annual Meetings, Louisville. (Adapted from a paper of a similar title published in *Rural Sociology*).

Field Work

2012-2015 (summer) Dornach, Switzerland; Central Italy (in 2015, Les Caves du Pré Normand, St. Haon le Châtel, France). Developed case studies of biological and biodynamic farming, integrated food processing for current book projects.

2008-2009 Fairbanks, Alaska; Western Kenya; Central Italy; Outer Hebrides, UK. Develop case studies for Food Security Index, resiliency research.

2004-present Lopez Island, Washington. Community development through food security.

2001-2002 Bethel, Alaska. Collected data on subsistence resource management.

1998 Brighton, England, Institute of Development Studies. Collected archival material on participatory research case studies.

1998 Bethel, Alaska. Collected data on traditional settlements and on sanitation systems.

1996 Fort Yukon and Nulato, Alaska. Supervised research assistant in two Alaska villages.

1995 Old Harbor and Ouzinkie, Alaska. Collected preliminary data on sanitation delivery and tourism development.

1993 Negril, Jamaica. Participated in community-based environmental planning field visits, meetings, conference.

1991 Kenya, several districts. Reviewed soil conservation research, management; attended soil conservation conference sponsored by University of Nairobi; conducted field site visits with University faculty.

1980-1981 Italy, most regions. Studied aspects of pesticide use in agricultural field operations.

1980 North Carolina (coastal plain region). Gathered socioeconomic data on tobacco growers.

1977-1978 New York (North Country region). Gathered data on energy and soil characteristics of dairy ecosystems.

1975-1976 New York, Pennsylvania. Gathered data for a comparative study on energy and economic characteristics of organic and conventional wheat producers. Resided in an Old-Order Mennonite household collecting ethnographic data.

Professional Service and Activity

- 2013-2014 Mentoring, American Society of Journalists and Authors
- 2012 Collaboration in NIFA Priority Area: Climate Change/Agricultural Concepts Related to Environmental Science (ACRES) at Clark College (Project Director & Co-Project Director: Kathleen Perillo and Erin Harwood, Clark College).
- 2010 Establishment of MOU for teaching and research exchange between WWU and UNISG (University of Gastronomic Sciences in Pollenzo, Italy).
- 2008-2010 City of Bellingham and County Peak Oil Task Force, Bellingham. Presentations to City Council on December 7, 2009 and County Council March 16, 2010.
- 2008 Session organizer, Community Food Security and Revaluing Agriculture: Towards a Resilient Culture of Food. Also, session moderator and planning committee, Society of Human Ecology international conference, "Integrative Thinking for Complex Futures: Creating Resilience in Human-Nature Systems," Bellingham, WA.
- 2008 Organizer, sustainable farm workshop tour, Skagit and Whatcom counties, Washington. Western Division of the Canadian Association of Geographers (WDCAG) annual meetings, Bellingham.
- 2007-2010 Member, Editorial Board, *Advanced Science Letters*.
- 2007-2010 Scientific Committee, International Institute for Crisis and Security Studies, CESPRO, Università degli Studi di Firenze, Italy.
- 2007-2010 Member, Strategic Planning and Critical Infrastructure board at the University of Washington.
- 1980-2012 Member, Editorial Board, *Biological Agriculture and Horticulture*.
- 2005 Review of *The Human Mosaic* by Terry G. Jordan-Bychkov and Mona Domosh. W.H. F. Freeman & Co.
- 2005 Academic Review Panelist, Integrative Graduate Education and Research Traineeship (IGERT), National Science Foundation.
- 2004 Academic Review Panelist, Arctic Social Sciences/Polar Programs, National Science Foundation.

- 2004 Poster paper session organizer, "Paradigms of Inclusion in Science," Association of American Geographers.
- 2003 Special issue editor "Alaska Natural Resources and Native Claims," *Society and Natural Resources*.
- 2002 Conference moderator, "Fourth International Workshop on Sustainable Land Use Planning." The International Study Group on Multiple Uses of Land, Wageningen University and Western Washington University, Bellingham, WA.
- 2001 Conference moderator, "Building Bridges: Tribes and Local Communities." Western Washington University, Bellingham, WA.
- 2000 Biennial meeting, organizer, Forum on Tribal Resources Management - Experiences of the First-year Cohort of the Tribal Environmental and Natural Resources Management (TENRM) Program, 8th International Symposium on Society and Resource Management, Bellingham.
- 2000 Biennial meeting, organizer, Forum on Program in Sustainable Agriculture and Northwest Community Food Systems. With Terri Kempton, 8th International Symposium on Society and Resource Management, Bellingham.
- 2000 Biennial meeting, convener, daily plenary session, Natural Resource Issues among Northwest Indian Tribes: Shared Management Perspectives, 8th International Symposium on Society / Resource Mgmt, Bellingham.
- 2000 Academic Review Panelist, Information Technology Grants \$500,000 and Above, National Science Foundation.
- 2000 Annual Meetings. Chair and organizer, session, Contemporary Agriculture and Rural Land Use specialty group, Association of American Geographers, Pittsburgh.
- 2000 Co-coordinator, NSF summer 2000 National Dissemination Conference on the Tribal Environmental and Natural Resources Management Program (TENRM), Bellingham.
- 1999-2000 Coordinator, Research and Professional Activities, Tribal Environmental and Natural Resources Management Program (TENRM), Northwest Indian College, Bellingham.
- 1998-2000 Program planning committee, Eighth International Symposium on Society & Resource Management, Western Washington University, 2000.
- 1998 Academic review panelist, The Environment and Sustainable Development, 1998 College and University Affiliations Program, United States Information Agency, Washington, D.C.
- 1998 Annual Meetings. Chair, plenary session, Contemporary Agriculture and Rural Land Use specialty group; organizer, specialty session. Association of American Geographers, Boston.

- 1997-1999 Member, Editorial Board, Rural Studies Series, Rural Sociological Society.
- 1997 Academic review panelist, The Environment and Sustainable Development, 1997 College and University Affiliations Program, United States Information Agency, Washington, D.C.
- 1991-1994 Primary author, Environment and Society textbook. Contract with Saunders College Publishing to write undergraduate text jointly with the National Audubon Society. 750 pp. Text. Completed eight chapters, drafted one (approximately 30 percent of the manuscript). Publisher chose not to continue with the project, based on a market assessment.
- 1992-1993 Member, Rural Sociological Society Program Committee (Annual Meetings), "Applying Science to Development."
- 1991-1993 Member, Rural Sociological Society Task Force on Persistent Rural Poverty. (Working Group on Natural Resources).

Western Washington University Service

- 2014-present Member, Western Reads Committee.
- 2013-present Research Advisory Committee
- 2010-2011 Member, Western Reads Committee.
- 2009-2010 Member, Omnivore's Dilemma panel (November, 2009) and participant, Western Reads organizing activities for Michael Pollan events (January 2010).
- 2006 Member, Search Committee, Dean of Fairhaven College.
- 2005-2006 Member, Graduate Council.
- 2005-2006 Chair, Diversity Achievement Award Committee.
- 2005 Member, Diversity Achievement Award Committee.
- 2004-2006 Member, Extended Education and Summer Programs Advisory Board.
- 2003-2004 Member, Search Committee, Executive Director of Equal Opportunity Center.
- 2002-2004 Coordinator, Promotion and Tenure Forum for Women.
- 2002 Chair, Promotion and Tenure Committee, College of Fine and Performing Arts.

- 2002 Teaching Writing Proficiency courses, Center for Innovative Instruction.
- 2002 "Huxley College: Educating the Problem Solvers of the Future." WWU Board of Trustees presentation, Bellingham.
- 2000-2001 Member, Search Committee, Academic Vice-Provost for Undergraduate Education.
- 1997-2000 Commissioner, Academic Coordinating Commission.
- 1999-2000 International Programs Advisory Committee.
- 1999 Presentations, "Incorporating Diversity into the Curriculum," Board of Trustees Meeting; "Village Journey: Alaska's Unique Cultural and Physical Geography," The Western Foundation's "Faculty Firesides."
- 1998-1999 Participant, the Carnegie Teaching Academy Campus Program on the "Scholarship of Teaching."
- 1995 Ad Hoc Committee on Writing Proficiency Courses in the Social Sciences.

Huxley College of the Environment Service

- 2014-present Chair, Department of Environmental Studies
- 2012-2013 Member, Faculty Search Committees
- 2009-present Member, Policy Committee.
- 2008 Chair, Search Committee, Policy and Planning Program faculty position.
- 1995-2008 Curriculum Committee (Chair, 1998-1999).
- 2006-2007 Chair and/or member, Search Committees for faculty and staff, Policy and Planning Program and Institute for Global and Community Resilience.
- 1995-2006 Geography Graduate Committee, (Chair 1999-2002).
- 2001-2003 Core curricular reform (to produce template for Huxley first-quarter experience for incoming students).
- 2000-2001 Chair, Search Committee, GIS faculty position.
- 2000-2006 Chair, Department of Environmental Studies
- 1999-2000 Member, Personnel Committee.

1999-2000 Acting Director, Center for Geography and Environmental Social Sciences

1999-2000 Member, Huxley Futures Committee.

1996-1997 Member, Strategic Planning College Committee.

Professional Organizations (member)

American Society of Journalists and Authors

Association of American Geographers

Professional Organizations (past member)

Agriculture, Food, and Human Values Society

Rural Sociological Society

Society for Human Ecology

Languages

English Native proficiency.

Italian Proficiency.

French Intermediate comprehension and professional working proficiency.

Swiss-German Beginning.

Greek Beginning.