

## **Gigi Berardi, Ph.D.**

---

### **AWISH-Hellas Visiting Professor (Spring 2006)**

**Professor, Geography & Natural Resources Management. Huxley College of the Environment, WWU**

Arntzen Hall 221, Western Washington University, Bellingham, WA 98225 USA

Tel :+1 360-650-3520

Email: [gigi.berardi@wwu.edu](mailto:gigi.berardi@wwu.edu)

### **Education**

- Ph.D. Cornell University, 1979. Natural Resources. Specialization: Policy and Planning, Rural Sociology, Ecology and Systematics.
- M.S. Cornell University, 1976. Natural Resources. Specialization: Policy and Planning, Ecology and Systematics.
- B.A. University of California San Diego, 1974. Biology (*magna cum laude*).

### **Professional Experience**

- 2001-Present Chair, Department of Environmental Studies: Policy, Planning, Education, and Geography, Huxley College of the Environment, Western Washington University.
- 1997-Present Core Faculty, Northwest Indian College, Tribal Environmental and Natural Resources Management Program.
- 1995-Present Faculty, Huxley College of the Environment, Western Washington University. (Appointed Associate Professor, 1999.)
- 1993-Present Affiliate Associate Professor, School of Agriculture and Land Resources Management, University of Alaska Fairbanks.
- 2000-2001 Acting Director, Center for Geography and Environmental Social Sciences, Huxley College of the Environment, Western Washington University.
- 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 Faculty, The Evergreen State College.
- 1991-1993 Coordinator and Associate Professor, Environmental Studies Program, 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**

- 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).
- 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.
- 1991 Research Grant, Western Rural Development Center, Oregon State University, to complete work on theoretical aspects of rural poverty in Alaska.
- 1980-1981 Fulbright-Hays Award for Research in Geography to study energy use in Italian agriculture, University of Perugia, Italy.

### Books

- 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)

### Books Edited

- 1987 Harlin, John M., and Gigi M. Berardi. Agricultural Soil Loss: Process, Policies and Prospects. Boulder: Westview Press.
- 1985 World Food, Population and Development. Totowa, NJ: Rowman and Allenheld.
- 1984 Berardi, Gigi M., and Charles C. Geisler. The Social Consequences and Challenges of New Agricultural Technologies. Boulder: Westview Press.

### Book Chapters

- (2004) "Bridging Cultures, Healing Narratives: The Question of Representation and Authenticity in Alaska Native Storytelling." Chapter to appear in The Ethics of Cross-Cultural Representation. Edited by Val Alia.
- 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.
- 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 Harlin, John M., and Gigi Berardi. "Agricultural Soil Loss: An Introduction." Chapter 1 in Agricultural Soil Loss: Processes, Policies and Prospects. Eds. J.M. Harlin and G.M. Berardi, 1-5. Boulder: Westview Press
- 1984 Berardi, G.M., and C.C. Geisler. "A time of research synthesis" and Panel discussion excerpts from the 1981 Annual Meeting of the Rural Sociological Society." 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 D. Pimentel, G. Berardi, and S. Fast. "Energy efficiencies of farming wheat, corn, and potatoes organically." 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
- 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. Lesington: D.C. Heath and Co. (Lexington Books).

### Journal Publications Refereed

- 1986-present Annals of the Association of American Geographers, Biological Agriculture and Horticulture, Ethnohistory, Human Organization, Journal of environmental Planning and Management, Professional Geographer, Rural Sociology.

### Articles

- 2003 Gigi Berardi, Dan Burns, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams and Wayne Woods. "The Tribal Environment and Natural Resources Management approach to Indian education and student assessment." Journal of American Indian Education 42(1): 58-74.

- 2002 "Commentary on the challenge to change: Participatory research and professional realities." Society and Natural Resources 15: 847-852
- 2002 Gigi Berardi, Dan Burns, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams, and Wayne Woods. "Science and Culture in a Curriculum for Tribal Environmental Management: The TENRM program at the Northwest Indian College: An innovative, interdisciplinary Native American curriculum." American Indian Culture and Research Journal 26(3): 47-64
- 2002 "Changing the way American farms: Knowledge and community in the sustainable agriculture movement." Ethics, Place, and Environment 5(1): 73-77. (Review Essay)
- 2002 Gigi Berardi, Phil Duran, Roberto Gonzalez-Plaza, Sharon Kinley, Lynn Robbins, Ted Williams, and Wayne Woods. "Science education in tribal homelands." 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.
- 1985 "Energy use in Italian agriculture: Alternatives to mineral fertilizers." Biological Agriculture and Horticulture 2: 321-244.
- 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 Pimentel, D., G. Berardi and S. Fast. "Energy efficiency of farming systems: Organic and conventional agriculture." 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.
- 1978 "Organic and conventional wheat production: Examination of energy and economics." Agro-
- 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.

#### **Book Reviews (Recent)**

- (2003) Engineering the farm: Ethical and social aspects of agricultural biotechnology. Edited by B. Bailey and M. Lappe. Biological Agriculture and Horticulture. 21(3).
- (2003) Agricultural research policy in an era of privatization. Edited by D. Byerlee and R.G. Echeverria. Biological Agriculture and Horticulture. 21(3).
- 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).
- 2001 Pruning and Training Systems for Modern Olive Growing, by Riccardo Gucci and Claudio Cantini. DSIRP Publishing. Biological Agriculture and Horticulture. 18: 293-301
- 2000 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.
- 1999 Advances in Soil and Water Conservation, by F.J. Pierce and W.W. Frye, eds. Ann Arbor Press. In Biological Agriculture and Horticulture 16(3): 330
- 1997 A New Era for Irrigation, by National Research Council. National Academy Press. In Biological Agriculture and Horticulture 14(4): 365-366
- 1997 Land Care: Rural Property Planning, by B. Matheson. Inkata Press, 1997. In Biological Agriculture and Horticulture 14(2): 173.
- 1996 Democracy and Technology, by R.E. Sclove. The Guilford Press, 1996. In Rural Sociology 61(3): 556-558.

1996 Dictionary of Agriculture: From Abaca to Zoonosis, by K.L. Lipton. Lynne Rienner Publishers, Inc., 1996. In Biological Agriculture and Horticulture 13(3): 306.

### **Other Writing**

1986-1996 Approximately 80 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. Includes topics with international cultural geography focus, e.g., "CIRI Foundation enriches culture with its annual friendship potlatch" (Anchorage Daily News, 10/25/92)

### **Papers Presented, Seminars, Lectures, and Panels**

March 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.

March 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.

March 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.

March 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 2000 "The Lenses of Culture." Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.

June 2000 "Rural Participatory Research and Professional Realities." Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.

June 2000 "Agroecology in Western Washington." With Terri Kempton. Poster-paper presented at the Biennial meeting, 8th International Symposium on Society and Resource Management, Bellingham.

April 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.

April 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." Paper to be presented at the 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, Università 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.

March 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.

April 1997 "The Environmental Unsettling of Rural Alaska: Settlements, Sanitation and Sovereignty." Paper presented at the 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.

April 1992 "Native Alaskan Populations at Risk." Paper presented at the 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.

April 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.

April 1988 Invited discussant, Structural Change and Industrialization of Agriculture: Symposium in Honor of Howard Gregor. The Association of American Geographers Annual Meetings, Phoenix.

April 1985 "Alternatives to Mineral Fertilizer Use in Italy." Poster-paper presented at the Association of American Geographers Annual Meetings, Detroit.

April 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.

April 1983 "Direct Solar Energy Application in Agriculture." Poster-paper presented at the Association of American Geographers Annual Meetings, Denver.

April 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 Pimentel, D., G.M. Berardi, and S. Fast. "Energy Efficiency of Farming Systems." 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.

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

**Professional Organizations**

American Society of Journalists and Authors  
 Association of American Geographers  
 Rural Sociological Society

**Languages**

Italian: Near fluent.  
 French: Working knowledge.

