

**Unity College**  
**Professor of Human Ecology**  
**Mick Womersley, PhD**

*Curriculum vita*

**Summer 2011**

**Dr. Michael (Mick) Womersley**  
**53 Great Farm Road**  
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**USA**

**Contact information:**

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**Personal**

Born October 3, 1961, Chesterfield, England, E.U. Citizen (US Permanent Resident)

Married to Aimee Phillippi, PhD (US Citizen)

**Education**

Ph.D., Policy Studies (Environmental Policy), University of Maryland School of Public Policy, 2002

M.S., Resource Conservation (Social Sciences), University of Montana Forestry School, 1996

B.A., Biology (Zoology, Natural History), University of Montana, 1994

UK Ordinary National Certificate 2cr (Associates of Science equivalent), Aeronautical Engineering, Royal Air Force College Halton, 1979

**Research fields**

Human ecological sustainability, associated problems in energy and climate change policy, wind assessment and wind power mapping, ecological economics, experiential pedagogy for college sustainability courses

**Memberships:**

US Society for Ecological Economics

Association for Environmental Sciences and Studies

Royal Air Force Mountain Rescue Association

Maine Association for Search and Rescue

**Experience**

July 2007 to present: lead faculty, Sustainability Design and Technology degree program, Unity College. Primary educator in degree program linking renewable energy, renewable energy, energy efficiency, and climate change solutions. Teach classes and lead community service and research programs in wind resource assessment, renewable energy, energy efficiency, economic analysis of energy problems, and community planning problems in energy and energy efficiency.

August 2000-present: Assistant, then Associate Professor, then Professor of Human Ecology, Unity College, ME.

Teaching and mentoring undergraduate students in environmental degree programs, including primary responsibility for teaching an undergraduate courses in sustainability and associated degree programs sustainability; also teaching of courses

in economics, geography, natural resource planning, conservation and environmental policy history, and the social science of human economic development. Other responsibilities include holding the elected position of Faculty Moderator, and appointed positions as secretary of curriculum planning committee and chair of sustainability committee, participating in institutional fundraising, in overall curriculum planning, in college and community activities, and leading student research and practical sustainability projects. (For research and writing interests see publications section and statement of teaching and research interests).

August 2005- July 2007: Interim Provost, Chief Academic Officer, and Senior Vice President, Unity College.

Responsible to the President of the College for the integrity of the academic curriculum, for the fiscal integrity of the academic budgets, and/or the general health of the institution. Responsible for decisions involving the hiring, evaluation, promotion, termination of all faculty and academic staff. Maintain appointment as Associate Professor (below). Improved academic management, contributed to retention and budget increases, improvement in academic quality and student services, improvement in engagement and campus sustainability indicators. In charge of campus sustainability.

August 1996-May 2002: PhD Candidate in Environmental Policy at Maryland School of Public Affairs, University of Maryland at College Park.

Dissertation a historical, ethnographic, and normative (ethical) analysis and policy study of the new movement of religious environmentalism in the United States and its expected impacts on various ecological economic/environmental policies, but particularly global climate change and oil depletion. Dissertation advisors: Drs. Robert H. Sprinkle, Herman E. Daly, Robert Nelson, Willett Kempton (University of Delaware Maine Policy School) Peter G. Brown, and William T. Stuart.

June - July 2000: Visiting Professor, teaching course titled "Population and Conservation", Graduate School of Environmental Studies, Bard College, New York. (Two credit graduate seminar in population ecology and conservation biology praxis).

January 2000 - May 2000: Visiting Instructor, teaching course titled "Introduction to Ecological Economics," University of Georgia Institute of Ecology.

Two-credit graduate seminar in ecological economics, including design of new course curriculum. Participated in Georgia conservation easement case study. Advised GA Governor's Green Space Commission on environmental policy options, wrote items of legislation related to Tax Incremental Financing (TIF) of green space programs

February 1998 - January 2000: NOAA Sea Grant Fellow in Environmental Policy: Research Assistant to Mark Sagoff and David Wasserman, Institute for Philosophy and Public Policy (IPPP), Maryland School of Public Policy, University of Maryland at College Park.

Responsible for "Environmental Protection and Waterman Communities: The Impacts of New Polices on Old Ways of Life," environmental policy study using

anthropological techniques to investigate the impact of Maryland "Smart Growth" and other land conservation policy initiatives on Chesapeake Bay fishing villages. In October 1999, informally loaned to the Institute of Ecology at the University of Georgia, to work on Georgia land use policies similar to Maryland's, under Laurie Fowler, JD, Professor of Public Policy, Institute of Ecology, UGA.

February 1997 - February 1998: NOAA Sea Grant Fellow in Environmental Policy: Research Assistant to Mark Sagoff and David Wasserman, IPPP. Responsible for completion of "Ecological Restoration and the Sense of Place," focus group and ethical/aesthetic policy research into the cultural construction of place in Calvert County, MD, and the ways in which senses of place inform "Smart Growth" and other regional environmental policies. Also funded by Maryland Sea Grant College.

June 1997 - August 1999: Executive Director, Maryland Mountain Trust. Organized and managed local conservation non-profit, raised funds, negotiated conservation easements, negotiated with state and federal agencies, produced promotional literature, organized events, gave public presentations, all in furtherance of land trust protection for farm and forestland in western Maryland.

August 1996 - January 1997: Teaching Assistant and Staff, Environmental Studies Program, College Park Scholars (interdisciplinary community learning/ honors program in environmental studies), University of Maryland at College Park. Responsible for teaching "Introduction to Environmental Studies," 3 cr., two sections, freshman survey course requiring two hours of classroom teaching and discussion per week plus field trip labs. Also responsible for grading of assignments; counseling, mentoring, and "crisis management" for the 120 freshman and sophomores in the program (a residential "community learning" course with academic program office in dorm); as well as designing, organizing, and executing all required field trip excursions, including overnight camps, and general institutional management of the program itself.

July 1994 - July 1996: Research Assistant and MS Candidate under Dr. Alan McQuillan, Forestry School, University of Montana. Member of research program "Environmental and Cultural Sustainability in Hinterland Regions of Developed Nations." Responsible for performing historical, policy, and social science research into the effectiveness of the UK Highlands and Islands Development Board, 1965-1995, and its implications for ecological economics and sustainable development policy and theory. Responsibilities included preparing and submitting the grant proposal, cooperating in general team research, developing the idea for, and writing one chapter of, the resulting anthology on ecological economics and sustainable development (published June 1998: see grants and awards and publications sections). Thesis advisors: Drs. Alan Mc Quillan, David Jackson, John Photiades, Richmond Clow

June 1990 - July 1994: Conservation Field Program Coordinator, Wilderness Institute, School of Forestry, and University of Montana.

Responsible for field and classroom teaching of environmental policy issues, natural history, and outdoor safety, as needed for an innovative community-learning minor degree program in conservation and environmental studies. Designing and implementing risk management program for field trip safety (received commendation from UM Campus Legal Counsel), managing large field programs and other institute-related events, including seminars, conferences (see grants and awards section), and board meetings, hiring and training of outdoor program instructors, including necessary rescue and medical training. In related areas: started a campus based, volunteer mountain rescue team (in mountain area where no accredited MRA team previously existed), handled "outfitter" permitting with federal land management agencies, and provided regional and national public involvement and institutional assistance to wilderness management issues in general. Further information at: <http://www.forestry.umt.edu/wi/>

December 1978 – August 1985: Airman, then Junior Technician, then Corporal, Royal Air Force (RAF) and RAF Mountain Rescue Service (RAFMRs). Primary duty was aircraft maintenance engineer, secondary duty mountain rescue. As aircraft propulsion technician and supervisory technician, maintained military aircraft, supervised and trained maintenance and flight line mechanics. Ran equipment shops and engine repair shops. Qualifications and experience as supervisory technician (including final sign-off responsibility for aircraft serviceability) and trade training instructor. As rescue party leader, acted as military medic and junior leader in organization responsible for aircraft crash rescue over all land area of the United Kingdom, also assisting authorities with general civilian search and rescue. Qualifications and experience as medic, rescue trainer and organizer, high angle rescue specialist, mountaineering, rock, snow and ice climbing instructor. NCO course (second in class of 60), basic service leadership and weapons training, drill, PT.

### **Lifetime Service to SAR and SAR Team Memberships**

Present; faculty advisor to Unity College SAR Team, Resource Officer for Maine Association for Search and Rescue, co-editor Royal Air Force Mountain Rescue Journal *On the Hill*

1991-1996: Western Montana Mountain Rescue team

1990-1991: Missoula County Sheriffs SAR Team, Montana

1988-1989: Sanders County Sheriffs SAR Team, Montana

1985: RAF Leuchars Mountain Rescue Team, Scotland

1983-1985: RAF Linton-on-Ouse Mountain Rescue Team, England

1979-1983: RAF Leeming Mountain Rescue Team, England

## **Academic and Policy Publications**

### **Journalistic and General Interest Articles of Academic Significance:**

(Numerous other newspaper and magazine articles available on request)

Post-Consumer Sustainability: A review of Sustainability by Design: A Subversive Strategy for Transforming Our Consumer Culture by John R. Ehrenfield, in *Sustainability: The Journal of Record*. Vol 2, #2, April 2009, reprinted online

Roundtable, Beyond the Plain Brown Wrapper, in *Sustainability: The Journal of Record*. Vol 2, #2, April 2009

Preaching NOT to the Converted, Why Sustainability Education should be Required for all College and University Students, in *Declaration*, the magazine of University Leaders for sustainable Future, summer 2004

The National Religious Partnership for the Environment, article in *The Encyclopedia of Religion and Nature*, online encyclopedia <http://www.religionandnature.com/>, also in hard copy, 2003, Continuum International Publishers Ltd, London, England.

### **Research Articles in Peer-Reviewed Journals and Edited Anthologies**

Conscription: Between the Horns, *Philosophy and Public Policy*, Fall 2003. (This paper chosen for inclusion in *Community Matters*, anthology of IPPP best papers on civic engagement, 2005)

Community Contamination and the Attribution of Blame: The Dunsmuir Metal Sodium Spill, with (first author) Rebecca Richards, in *Society and Natural Resources Journal*, spring 1999.

Preserving the Watermen's' Way of Life, with (first author) David Wasserman, in *Philosophy and Public Policy*, fall 1997. (This paper chosen for inclusion in anthology of IPPP best papers for decade 1990-2000)

Can A Sense of Place be Preserved? , with (first author) David Wasserman and Sara Gottlieb, in *Philosophy and Geography III: Philosophies of Place.*, eds., Andrew Light and Jonathan M. Smith, December 1998.

## **Book Chapters in Peer-Edited Anthologies**

Smart Growth, Sprawl and Climate Change Mitigation in the United States, in Ruth, M. (ed.). *Smart Growth and Climate Change: Regional Development, Infrastructure and Adaptation* Cheltenham, UK and Northampton, MA, US, Edward Elgar, 2005.

Educating America's Youth: Unity College's Required Courses in Sustainability, with (second author) Christopher Marshall in *Teaching Sustainability at Universities*, published by Peter Lang, Frankfurt, Germany, chapters reviewed by the International Journal of Sustainability in Higher Education, 2002.

Thirty Years in the Highlands and Islands of Scotland, Chapter 4 in *Globally and Locally: the Economics of Sustainable Development*, eds. Alan McMullan and Ashley Preston, University Press of America, 1998

## **Academic and Policy Presentations, Speeches and Talks**

Climate Change Update: Adaptation, Mitigation, Resilience, invited lecture, at the MOFGA Common Ground Fair, September 2011

Energy for Who?, invited lecture, to the *Energy for Me* conference, Island Institute, at Schoodic SERC, August 2011

The use of systems and statistical modeling in general education environmental science classes, at the Association for Environmental Science and Studies national conference at the University of Vermont, June 2011

Using quantitative analysis in the general education setting to build climate knowledge, panel presentation, at the Association of Environmental Studies and Sciences at Lewis and Clark College. June 2010.

Ecological Economics and Climate Change, guest lectures, to the assembled Graduate School of the Environment at the Center for Alternative Technology, Macynlleth, Wales, March 2010

What Cape Wind Means for Worldwide Wind Investment, invited talk, panel member, Shift Worldwide vPanel (virtual panel) discussion for global business audiences, May 17, 2010

Creating a GHG Inventory. Invited talk, panel member, National Association of College and University Business Officers national webinar, March 12<sup>th</sup> 2008

Unity College Sustainability Policy (invited talk), American Council on Renewable Energy Higher Education Committee meeting, November 28<sup>th</sup>, 2007, Republican Club, Washington, DC.

Energy Markets, Renewables, and Climate Change, at Colby College Goldfarb Energy Symposium, Nov. 10<sup>th</sup>, 2006

Interface with Place: Parks, Protected Areas, and Local Communities  
Acadia Partners for Science and Learning: Approaches to Park and Protected Area Management, Traditional Local Resource Use, and Land Tenure in the US, Scotland, and thirst of the UK, given at the Choric Education and Research Center, Acadia National Park, 2005

Security/Needs; Sustainability/Rights: Systems, Feedback and Ethics in International Affairs, given at the international conference of the International Society for Ecological Economics, Montreal, July, 2004

Religious Environmentalism in America, at the NE regional conference of the Society for Human Ecology, Keene, New Hampshire, May 2002, also scheduled for the US Society for Ecological Economics Annual Meeting, Saratoga, NY, and May 2003.

Whose "Rural Legacy" is it Anyway? Ethical and Cultural Problems with Maryland's Rural Preservation Programs. At the XIth Conference of the Society for Human Ecology, Jackson Hole Wyoming, October 2000.

Conservation Easements: Are they any Good for Farmers? at Georgia Farm Bureau Annual Convention, Jekyll Island, Georgia, January 2000.

Conserving Inhabited Landscapes, with Kara J. Unger, at the 1999 Meeting of the Society for Conservation Biology, University of Maryland, College Park.  
Urban Restoration at Centuries End: Three Case Studies from Baltimore, at the 1999 Conference of the Society for Philosophy and Geography, Towson University, MD.

Sustainable Development in the Highlands and Islands of Scotland, 1965-1995, October 1996 at the University of Maryland Harrison Program for International Development Luncheon Series.

(This slide lecture also given at various other venues, including The Land Institute, UMT Forestry School, School of Public Affairs, etc).

### **Awards and grants**

Fall 2011: Maine Rural Partners/Farm Energy Partners "Partner of the Year Individual Merit Award," December 2011

Fall 2010, \$110,000 for farm and rural small business wind power assessment throughout the state of Maine, from Efficiency Maine Trust, using Department of Energy ARRA and US Department of Agriculture REAP funding.

Spring 2010: In-kind donations of two anemometer towers from Competitive Energy Services, Inc and one wind turbine from a private individual for instructional use in Sustainability Design and Technology and community wind assessment.

Fall 2009: \$3,000 from US Department of Agriculture through Maine Rural Partners for drafting of farm wind turbine brochure.

Fall 2009: \$3,800 for design and construction of experimental decibel meter-linked anemometer for Fox Islands Electrical Cooperative wind farm noise studies.

Fall 2007 and Fall 2006: In-kind donation of \$22,000 anemometry equipment, plus training, to Unity College from NRG Systems, Inc, of Hinesburg VT for instructional use in Sustainability Design and Technology and community wind assessment.

Fall 2006, primary negotiator in team securing donation of \$2,000,000 Unity Center for the Performing Arts and associated three acre waterfront park to Unity College. Won vote at Unity Town meeting securing transfer.

2005, Paper, Conscription: Between the Horns, chosen for inclusion in anthology of best papers on civic engagement from Institute for Philosophy and Public Policy

January 2004: Colleagues on a Mission Award, Unity College, cited for going above and beyond on a daily basis and his involvement in many student programs and committees.

2000: Paper, Preserving the Watermens' Way of Life, co-authored with David Wasserman, chosen on merit for inclusion in anthology ten best papers from Institute for Philosophy and Public Policy from 1990-2000.

1998: Maryland Sea Grant. Competitive award of fellowship and grant from Maryland Sea Grant (NOAA) for "Environmental Protection and Waterman Communities: The Impacts of New Polices on Old Ways of Life," study under co-principal investigators Mark Sagoff and David Wasserman, Institute for Philosophy and Public Policy.

1997: Maryland Sea Grant. Competitive award of fellowship and grant from Maryland Sea Grant (NOAA) for "Ecological Restoration and Sense of Place", study under co-principal investigators Mark Sagoff and David Wasserman, Institute for Philosophy and Public Policy.

1994: International Eco-Development Institute (Hokkaido, Japan). Author of proposal (\$249,000) for Program A, ecological sustainability study at the University of Montana. Author of proposal under supervision of co-principal investigator Dr. Alan McQuillan.

1994: International Eco-Development Institute. Author and negotiator for \$100,000 award to City of Superior, Montana, for sustainable development and job creation after closure of timber mill.

1993: United States Forest Service, Washington DC Office combined Interior Department Agencies (BLM, NPS, USFWS). Author of grant proposal (\$25,000) and coordinator of "LAC 93" wilderness management conference at the University of Montana.

## **References**

Available on request.