

Curriculum Vitae
Holly R. Barcus

Geography Department
Macalester College
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EDUCATION

- 2001 Ph.D. (Geography), Kansas State University. Dissertation Title: *Composition, motivations and residential consequences of urban-rural migration in the United States*. Advisor: M. Lu.
- 1997 MA (Geography) University of North Carolina at Charlotte.
Thesis title: *City within a city neighborhood quality of life index, Charlotte, NC*. Advisor: O.J. Furuseth.
- 1995 BA (Geography) University of North Carolina at Charlotte.

EXPERIENCE

- 2005-Present **Assistant Professor**, Geography Department, Macalester College, Saint Paul, MN.
- 2005-2008 **Research Fellow**, Institute for Federalism and Intergovernmental Relations, University of Kentucky
- 2004-2005 **Graduate Faculty Member**, Morehead State University.
- 2001-2005 **Assistant Professor**, Institute for Regional Analysis and Public Policy, Morehead State University, Morehead, KY.
- 2000-2001 **Graduate Teaching Assistant**, Department of Geography, Kansas State University, Fall 2000.
- 2000-2001 **Lecturer**, Department of Geography, Kansas State University, Manhattan.
- 1998-2000 **Graduate Research Assistant**, Geographic Information Systems Spatial Analysis Laboratory (GISSAL), Department of Geography, Kansas State University, Manhattan. 1998-2000. Projects: SSURGO (fall 1998), Kansas GAP Analysis (1999-2000).
- 1999 **Research Associate**, Envisage Consulting, Manhattan.
- 1998 **Research Associate**, Minnesota Department of Transportation, Sustainable Transportation Initiatives. St. Paul, MN, 1998.
- 1996-1997 **Research Associate**, The Urban Institute, University of North Carolina, Charlotte, NC. 1996-1997.
- 1995-1997 **Research Assistant**, Land Design, Inc., Charlotte, NC.
- 1994-1996 **Graduate Research Assistant**, University of North Carolina, Charlotte, NC. Projects: Environmental Modeling for Mountain Island Lake; 9-1-1 System development for Concord, NC; Telecommunications Network Analysis with ArcView2.

RESEARCH INTERESTS: Migration, Population, Rural Geography, Geographic Information Systems, Great Plains

TEACHING INTERESTS: Population, Geography of rural areas, regional analysis, GIS

COURSES TAUGHT

- Advanced Geographic Information Systems (GEOG364 at Macalester)
- Geographic Information Systems (GEOG225 at Macalester, GEO351 at MSU)
- Fundamentals of Geography (GEO100 at MSU)
- Economic Geography (GEO211 at MSU)
- Population and Development Issues in Appalachia (Regional Analysis 300 at MSU)
- Computer Techniques in Regional Analysis (Regional Analysis 200 at MSU)

- World Regional Geography (GEO100 at KSU)

UNDERGRADUATE STUDENT RESEARCH ADVISED

- Torrence, Travis. "Evaluating the Outcomes of a Rural Housing Assessment in Rowan County, Kentucky." Co-Author. Published in *Papers and Proceedings of the Applied Geography Conference, 2004*.
- McCarty, Jessica. "Spatial Equity of Post-Secondary Education in Appalachian Kentucky." Presented at the 2002 Applied Geography Conference, Binghamton, New York, Oct. 23-26, 2002. Published in *Papers and Proceedings of Applied Geography Conference*.

GRANTS, CONTRACTS, AWARDS AND FELLOWSHIPS (*Funded)

- 2006 Collaborative Research: Linking Land Change and Population Dynamics Following a Major Economic Transition in a Developing Country: An Integrated GISc-Demographic Approach. NSF, Geography and Regional Science Program. Co-contributors: Z. Bortolot, C. McMichael, R. Tsolmon. \$179,284.000. *In review*.
- 2005 Migration Decision-Making, Culture and Trans-National Identities: A Case Study of the Mongolian Kazakh Diaspora. Association of American Geographers, Research Grants Competition. \$1,000. *In Review*.
- Developing a knowledgebase for linking population and land cover/land use change dynamics in a rapidly expanding Northern Eurasian capital city, Ulaanbaatar, Mongolia: An integrated remote sensing-demographic approach. NASA, NEESPI Program. Co-contributors: Z. Bortolot, C. McMichael, R. Tsolmon. \$221,000.
- 2004 Adaptation and Implementation of an Undergraduate Geospatial Technology Curriculum, Laboratory, and Certificate Program. National Science Foundation, CCLI Program. \$197,326. Co-contributors: T. Hare, Z. Bordolot, C. McMichael, S. Parkansky.
- *Fulbright-Hays Contemporary Mongolia Project. June-July 2004.
- Urban Forest Carbon Sequestration. NASA and NSF. \$1 million. Co-contributors: Z. Bordolot, C. McMichael, S. Sorin, T. Watson.
- 2003 Rural Elderly Immobility and Information Spaces in Appalachian Kentucky. Dept. of Housing and Urban Development. \$54,981.40.
- *Mapping the availability and access to health services in Kentucky. With Timothy Hare. Morehead State University Internal Research Grant. \$3,662.00.
- Rural immobility and information spaces of the elderly in Appalachian Kentucky counties, University of Kentucky Center for Poverty Research. \$20,000.
- Welfare Reform and Housing Assistance in Metro and Non-Metro America: Who is being Served and How Well?, The NSAF Small Research Grants Program Funded by the Annie E. Casey Foundation, Administered by APPAM. \$19,999.35.
- *Housing Quality and Residential Mobility in the United States, Morehead State University Internal Summer Research Fellowship. \$5,000.
- 2002 *Consortium of Appalachian Centers and Institutes, Appalachian Regional Commission, \$3,000.
- *Economic Development, Business Expansion and Industrial Recruitment Workshop, Center for Rural Development, Somerset, KY. \$1,200.

- *Department of Housing and Urban Development, Community Outreach Partnership Center, (Multiple Investigators) \$399,999, 2002-2005.
- 2001 *The Housing Dilemma: Differential Spatial Impacts of Population Growth on Housing in Rural Communities, Morehead State University Internal Research Grant, \$4,533.
- *Department of Housing and Urban Development, Youth Build Project, Perry County, Kentucky (Sub-contractor), \$30,000, 2001-2002.
- *Consortium of Appalachian Centers and Institutes, Appalachian Regional Commission, \$2,000.
- Multidimensional Assessment of Value-Added Manufacturing as a Rural Development Strategy USDA, \$121,631.00 (with Eric Scorsone, University of Kentucky).
- 1996 *Neighborhood Quality of Life Assessment, Charlotte Neighborhood Development Key Business, \$37,000 (with O.J. Furuseth and J. D. Lord).

REFEREED JOURNAL ARTICLES

- 2004 Barcus, Holly R. Rural In-Migration: Migrant Motivations and Residential Consequences. *Regional Studies* 38(6):643-658.
- Robbins, Suzanne M. and **Holly R. Barcus**. Welfare Reform and Economic and Housing Capacity for Low Income Households, 1997-1999. *Policy Studies Journal*. 32(3):439-460.
- Brunn, Stanley D. and **Holly R. Barcus**. Religious Diversity and Denominational Minorities in the Great Plains. *Great Plains Research* 14(1):49-76.
- Barcus, Holly R.** and Stanley D. Brunn. Mapping Changes in Denominational Membership in the Great Plains, 1952-2000. *Great Plains Research* 14(1):19-48.
- 2002 Barcus, Holly R. Changing Occupant Characteristics in Rural Subsidized Housing: 1977-1996. *Housing Policy Debate* 13(4):729-754.
- 1999 Furuseth, Owen J., J. Dennis Lord and **Holly R. Barcus**. 1999. Defining and measuring neighborhood sustainability in Charlotte, North Carolina. *Applied Geographic Studies* 3(1): 1-21.

MANUSCRIPTS UNDER REVIEW

- Barcus, H.R. Hispanic Migration to Appalachia: A New Frontier? *In Review*.
- Barcus, Holly R. and Timothy Hare. Health Care Utilization, Deprivation and Cardio-Vascular Disease Incidence: A Spatial Analysis of Kentucky. *In Review*.
- Hare, Timothy and Holly R. Barcus. Health Care Accessibility in Kentucky. *In Review*.

REFEREED CONFERENCE PROCEEDINGS PAPERS AND BOOK CHAPTERS

- Forthcoming Wal-Mart and the Changing Rural Landscape. Prepared for *From Bentonville to Beijing: Wal-Mart's Footprint on the Global Economy*. Ed. Stanley D. Brunn. Routledge: New York
- New Destinations for Hispanic Migrants: An Analysis of Rural Kentucky. In *The New South: Latinos and the Transformation of Place*. Eds. Owen J. Furuseth and Heather Smith. Ashgate Press: London, UK.
- 2005 Assessing variation in rural America's housing stock: Case studies from growing and declining counties. *Contrasting Ruralities: Changing Rural Economies, Societies and Landscapes*. Eds.

Essex, S.J., A.W. Glig, R.B. Yarwood, J.Smithers, R. Wilson. CABI Publishing: Wallingford, UK.

2004 Barcus, Holly R., Suzanne M. Robbins, Travis Torrence. Evaluating the Outcomes of a Rural Housing Assessment in Rowan County, Kentucky. *Papers and Proceedings of the Applied Geography Conference 27*:390-399.

2000 Barcus, Holly R. 2000. Creating an inventory of managed areas for habitat protection status assessment: Kansas GAP Analysis Stewardship Coverage Development. *Papers and Proceedings of the Applied Geography Conference 23*: 370-377.

PAPERS IN PROGRESS

Barcus, Holly R. *Population Policy Issues in Mongolia: An Assessment of Changes Since the 2000 Census*. In progress

Barcus, Holly R and Stanley D. Brunn. *Aging, migration and the 'elasticity' of place in Eastern Kentucky*. In progress

Tsolmon, Renchin and Holly R. Barcus. *Landcover change and population dynamics in Govi-Altai, Mongolia*. In progress

NON-REFEREED PUBLICATIONS

2005 Barcus, Holly R. and Suzanne M. Robbins. *Morehead-Rowan County Housing Quality Assessment Report*. Prepared for the Community Outreach Partnership Center. February.

2005 Hail, Michael and Holly R. Barcus. "Rural Policy" in *American Federalism: An Encyclopedia*. Ed. J. R. Marbach. Connecticut: Greenwood Press.

1999 Barcus, Holly R., Jennifer Radcliff, Raj Poudyal. 1999. *Kansas GAP: Preparing the Stewardship Layer*. GAP Bulletin: A Geographic Approach to Planning for Biological Diversity No.8: 30-31.

ABSTRACTS

2005 Barcus, H.R. Mongolia in the 21st Century: An Assessment of Population Change and Distribution. Association of American Geographers, 101st Annual Meeting, Denver, CO.

2004 Barcus, H.R. *Hispanic Migration to Appalachia: A New Frontier?* Association of American Geographers 100th Annual Meeting, Philadelphia, PA.

Brunn, S.D. and H.R. Barcus. *Birthplaces of AAG Members, 1961*. Association of American Geographers 100th Annual Meeting, Philadelphia, PA. March.

2003 Barcus, H.R. The Housing Dilemma: Population Change and Housing Issues in Rural America, *Abstracts, the Association of American Geographers 99th Annual Meeting*, New Orleans, LA.

2002 Barcus, H.R. Tenure shifts and residential consequences of urban-rural migration in the United States, *Abstracts, the Association of American Geographers 98th Annual Meeting*, Los Angeles, CA.

2001 Barcus, H.R. Why do people move to rural areas? Migration motivations and the rural turnaround. *Abstracts, the Association of American Geographers 97th Annual Meeting*, New York, NY.

2000 Barcus, H.R. Occupant characteristics of rural subsidized housing: 1977-1997. *Abstracts, the*

Association of American Geographers 96th Annual Meeting, Pittsburgh, PA.

- 1996 Barcus, H.R. GIS-Based telecommunications project utilizing ArcView2. *Abstracts, the Association of American Geographers 92nd Annual Meeting*, Charlotte, NC.
- 1995 Xiang, Wei-Ning, **H.R. Barcus**. Geographic Information System (GIS) supported watershed buffer analysis. *Abstracts, the Association of American Geographers 91st Annual Meeting*, Chicago, IL.

PAPERS AND POSTERS PRESENTED AT PROFESSIONAL MEETINGS

- 2005 *Hispanic Population Growth in Appalachia: A Regional Perspective*. West Lakes Division of the Association of American Geographers, Iowa City, Iowa, November.
- Mongolia in the 21st Century: An Assessment of Changes in Population Structure and Distribution*. Association of American Geographers 101st Annual Meeting, Denver, CO, March.
- 2004 *Hispanic Migration: An Analysis of Kentucky*. Annual Meeting of the Southeastern Division of the Association of American Geographers. Biloxi, Mississippi. November.
- Examining the Outcomes of a Rural Housing Assessment in Rowan County, Kentucky*. Applied Geography Conference. St. Louis, Missouri. October.
- Spatial Analysis of Health Care Accessibility and Disease Incidence in Kentucky*. Kentucky GIS Conference. Lexington, KY. September. With Timothy Hare.
- New Destinations for Hispanic Migrants: An Analysis of Rural Kentucky*. Race-Place and Ethnicity Conference. Washington, D.C. September.
- Hispanic Migration to Appalachia: A New Frontier?* Association of American Geographers 100th Annual Meeting, Philadelphia, PA. March.
- Birthplaces of AAG Members, 1961*. S. Brunn and H. Barcus. Poster Presentation. Association of American Geographers 100th Annual Meeting, Philadelphia, PA. March.
- 2003 *Intergenerational mobility and attachment to place in eastern Kentucky*. Southeastern Division of the Association of American Geographers, Charlotte, NC. November.
- Welfare reform and housing assistance in metro and non-metro America: Who is being served and how well?* APPAM Conference, Washington, D.C. November.
- Assessing variation in rural America's housing stock: Case studies from growing and declining communities*. Rural Geography Research Group Conference, University of Plymouth, UK. July.
- The housing dilemma: Population change and housing issues in rural America*. Association of American Geographers 99th Annual Meeting, New Orleans, LA. March.
- 2002 *Residential Satisfaction and Urban to Rural Migration in the U.S.* Southeastern Division of the Association of American Geographers, Richmond, VA. November 2002.
- Rural in-migration: motivations and consequences of urban- and rural-origin migrants*. International Population Geography Conference, St. Andrews, Scotland. July 2002.
- Tenure shifts and residential consequences of urban-rural migration in the United States*. Annual Meeting of the Association of American Geographers, Los Angeles, CA. March 2002.

- 2001 *Why do people move to rural areas? Migration motivations and the rural turnaround.* Annual Meeting of the Association of American Geographers, New York, NY.
- Rural in-migration: A comparative evaluation of urban and rural origin migrants.* Southeastern Division of the Association of American Geographers, Lexington, KY.
- 2000 *Creating an inventory of managed areas for habitat protection status assessment: Kansas GAP Analysis stewardship coverage development.* The Applied Geography Conference, October 11-14. Tampa, FL.
- Occupant characteristics of rural subsidized housing: 1977-1997.* Annual Meeting of the Association of American Geographers, Pittsburgh, PA.
- 1999 *Kansas GAP: preparing the Kansas GAP stewardship layer.* Great Plains GAP Meeting, Manhattan, KS.
- Tuberculosis in Kansas – perspective on a rural state.* The Applied Geography Conference, Charlotte, NC.
- 1998 Furuseth, Owen J., J. Dennis Lord and **Holly R. Barcus.** *Defining and measuring neighborhood sustainability in Charlotte, North Carolina.* Great Plains, Rocky Mountain Regional Meeting of the Association of American Geographers, Lawrence, KS.
- 1996 *GIS-Based telecommunications project utilizing ArcView2.* Annual Meeting of the Association of American Geographers, Charlotte, NC.
- 1995 *Geographic Information System (GIS) supported watershed buffer analysis.* Annual Meeting of the Association of American Geographers, Chicago, IL.

SEMINARS, INVITED PRESENTATIONS, AND WORKSHOPS

- 2005 Barcus, H.R. *An overview of recent applied research in GIS, population and rural studies.* Social Science Research Colloquium. Macalester College. November.
- National Institute for Technology and Liberal Education (NITLE), GIS Teaching Symposium, Saratoga Springs, NY, June.
- 2004 Barcus, H.R. *Aging, migration and the ‘elasticity’ of place in Eastern Kentucky.* University of Kentucky Department of Geography Colloquia Series.
- 2003 Barcus, H.R. and Jeremy L. Hall. *Leadership Skills.* Workshop for HUD Youthbuild Participants. Hazard, KY. January & March (2 sessions).
- 2002 Barcus, H.R. *GIS Applications for Community Economic Development.* Economic Development, Industrial Recruitment and Business Expansion Workshop. Center for Rural Development, Somerset, KY.
- 2000 Barcus, H. R. Nancy Leathers and Kristen Rundquist. 2000. *ArcView: An Introduction and Workshop for Forestry Extension Officers.* Kansas State University, Manhattan, KS.
- 1997 Barcus, H. R. and Todd Horneman. 1999. *Kansas GAP: Modeling Species Habitat using ArcInfo, ArcView and Access.* Great Plains GAP Meeting, Manhattan, KS.
- 1996 Barcus, H.R. *City within a city neighborhood quality of life index.* Upper Midwest American

Planning Association Conference, Chicago, IL.

PROFESSIONAL SERVICE

- **Textbooks/Lab Manuals Reviewed:**
 - Bergman, Edward and William Renwick. 2003. Introduction to Geography: People, Places and Environment, 2nd ed. New Jersey: Prentice Hall.
- **Reviews**
 - HUD Community and Outreach Partnership Center (COPC) Grant Review, August 2005
 - *Growth and Change*, Reviewer.
- **Professional Meeting Session Chair, Discussant, or Organizer**
 - Organizer (with Matt Foulkes, Univ. of Missouri): *Dynamics of Rural Migration and Poverty*. Association of American Geographers Annual Meeting, March 2004.
 - Organizer (with Jamie Strickland, Univ. of North Carolina, Charlotte): *Moving In, Moving On, Moving Out: Migration and Population Change in the United States*. SEDAAG, November 2003.
 - Chair: *Population Migration and Immigration*, Association of American Geographers, April 2002.
 - Discussant: Southeastern Division of the Association of American Geographers, November 2001.
- **Offices in Professional Associations/Honor Societies**
 - Board of Directors, Rural Geography Specialty Group, Association of American Geographers, 2004-2005.
 - Member, AAG Data Standards Committee, 2004-2006
 - Member, SEDAAG Honors Committee, 2003-2004
 - President, Gamma Theta Upsilon, University of North Carolina. Charlotte, NC, 1996-1997.
 - Secretary, Gamma Theta Upsilon, University of North Carolina. Charlotte, NC, 1995-1996.

UNIVERSITY SERVICE ACTIVITIES AND UNIVERSITY-COMMUNITY PARTNERSHIPS

- **Institutional Review Board for the Protection of Human Subjects in Research.** Morehead State University, 10/03-9/06.
- **Computer Software Pool Committee.** Morehead State University, 2002 – 2003.
- **City of Morehead 2000 Census Recount Question, Spring 2002**
- **Space Science Center Economic Development Sub-Committee.** Morehead State University, 2001-present.
- **Wolfe County Economic Development Project (With UK Extension), Fall 2001**

DEPARTMENT SERVICE ACTIVITIES

- **Department Faculty Search Committee,** Geography Department, Macalester College, Fall 2005.
- **Department Faculty Search Committee (3 positions),** Institute for Regional Analysis and Public Policy, Spring 2005.
- **Multi-year Planning Committee,** Geography, Government and History, MSU, Fall 2003-present.
- **FEP Revision Committee,** Geography, Government and History, MSU, Fall 2003-present.
- **COPC Director Search Committee,** Institute for Regional Analysis and Public Policy, Fall 2003.
- **COPC Assist. Director Search Committee,** Institute for Regional Analysis and Public Policy, Fall 2003.
- **Department Faculty Search Committee,** Institute for Regional Analysis and Public Policy, Fall 2002-2003.
- **Department Curriculum Committee,** Institute for Regional Analysis and Public Policy, 2003- present.
- **MSU Nights – Student Recruitment,** Institute for Regional Analysis and Public Policy, Fall 2002.
- **Strategic Planning Committee,** Institute for Regional Analysis and Public Policy, Morehead State University, 2002 - present.
- **Department Planning Committee,** Department of Geography, Government and History, Morehead State University, 2001-present.
- **Geography Curriculum Committee,** Department of Geography, Government and History, Morehead State University, 2001- present.

- **Department Faculty Search Committee**, Department of Geography, Government and History, Morehead State University, 2001-2002.
- **Department Faculty Search Committee**, Institute for Regional Analysis and Public Policy, Morehead State University, 2001-2002.
- **MSU Nights – Student Recruitment**, Institute for Regional Analysis and Public Policy, Fall 2001.
- **Department Faculty Search Committee**, Graduate student member, Department of Geography, Kansas State University, 1999-2000.
- **Graduate Student Handbook**, Department of Geography, Kansas State University, 2000.

JOINT UNIVERSITY AND COMMUNITY PROJECTS

- HUD Community Outreach and Partnership project (COPC), 2003-2006, Housing Project Director.
- Morehead, KY Census 2000 Count Resolution, 2002.
- Wolfe County Economic Development Project with University of Kentucky, 2002.

AWARDS AND HONORS

- Profile, Improving the Quality of Education: Morehead State University, Holly R. Barcus. Department of Housing and Urban Development, *The Power of Partnership: Celebrating 10 years 1994-2004, Community Outreach and Partnership Centers*, HUD, p 68. <http://www.oup.org/files/pubs/copc10.pdf>. 2005.
- National Outstanding Graduate Student Scholarship (Robert G. Buzzard award), Gamma Theta Upsilon International Geographical Honor Society, 1999.
- Awarded MA in Geography with Departmental Honors, 1997.
- North Carolina Chapter of the American Planning Association Student Planning Award (Group Award), 1997.
- Ronald W. Taylor Award / Scholarship for Excellence in Geography, 1997.
- Inducted to Phi Kappa Phi honor society, University of North Carolina, Charlotte chapter, 1997.
- Ronald W. Taylor Award / Scholarship for Excellence in Geography, 1995.
- Inducted to Gamma Theta Upsilon honor society, University of North Carolina, Charlotte chapter, 1995.

PROFESSIONAL MEMBERSHIPS

- Association of American Geographers
- Southeastern Division of the Association of American Geographers
- Population Association of America
- Gamma Theta Upsilon
- Phi Kappa Phi