

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.

PROFESSIONAL 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: Rural Geography, Migration, Population, Geographic Information Systems

TEACHING INTERESTS: Population, Geography of rural areas, GIS

COURSES TAUGHT

- Rural Landscapes and Livelihoods (GEOG394 At Macalester College)
- Geography of World Population Issues (GEOG254 at Macalester, First Year Course, 2008)
- Introduction to Geographic Information Systems (GEOG225 at Macalester, GEO351 at MSU)
- GIS: Concepts and Applications (GEOG364 at Macalester)
- 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

- Namara Brede. 2009. Collaborative Research: Networks, Gender, Culture and the Migration Decision-Making Process: A Case Study of the Kazakh Diaspora in Western Mongolia. Student-Faculty Summer Research Collaboration, Macalester College. \$4,615. Work in progress.
- Anne Brown. 2009. Mapping the Mahajanga Basin, Madagascar. Collaborative grant with Professor Raymond Rogers, Geology. Student-Faculty Summer Research Collaboration, Macalester. \$6,490. Work in progress.
- Stephanie Kleinschmidt. 2009. Upper St. Croix Streamflow Research Proposal for Summer 2009. Funded by the Three Rivers Center, Macalester. \$4,450. Work in progress.
- Anna Popinchalk, AIDS/HIV and Refugee Access to Health Services in Cairo, Egypt. Honor Project completed May 2009.
- Louise Sharrow. 2008. A Century of Change: Land Use and Land Cover Trends in the St. Croix River basin. Summer Research funded by the Three Rivers Center (\$4,450). Advisors Holly Barcus, Dan Hornbach, and Birgit Muehlenhaus.
- Norlund, Petra. The Impact of a Lack of Affordable Housing on Employment Opportunities in Ramsey County, Minnesota. Honors Project completed May 2008.
- Giebultowicz, Sophia. "African Immigrants in the Twin Cities: A Study of Residential Patterns and Health Care Access". Supported by Keck Research Funds (summer 2006). Honors project completed May 2007.
- 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*.

PEER REVIEWED JOURNAL ARTICLES

Barcus, H.R. and Cynthia Werner. The Kazakhs of Western Mongolia: Transnational Migration from 1990-2008. *In Review*.

Barcus, H.R. and Birgit Muehlenhaus. Bridging Academic-Public Divide in Collaborative Community-University Partnerships. *In Review*.

Barcus, H.R. and S.D. Brunn. Towards a typology of mobility and place attachment in rural America. *In Review*.

Barcus, H.R. and Stanley D. Brunn. Place elasticity: Exploring a new conceptualization of mobility and place attachment in rural America. *In Review*.

Werner, Cynthia and Holly R. Barcus. 2009. Mobility and Immobility in a Transnational Context: Changing Views of Migration Among the Kazakh Diaspora in Mongolia. *Migration Letters* 6(1):49-62.

Hare, Timothy S. and Holly R. Barcus. 2007. Geographical accessibility and Kentucky's heart-related hospital services. *Applied Geography* 27(3-4): 181-205.

- Barcus, H.R. 2007. The Emergence of New Hispanic Settlement Patterns in Appalachia. *The Professional Geographer* 59(3):298-315.
- Barcus, Holly R. and Timothy Hare. 2007. Health Care Utilization, Deprivation and Heart Related Disease in Kentucky. *Southeastern Geographer* 47(2):202-221.
- Barcus, Holly R. 2004. Rural In-Migration in the USA: An Analysis of Residential Satisfaction. *Regional Studies* 38(6):643-658.
- Robbins, Suzanne M. and Holly R. Barcus. 2004. 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. 2004. New Perspectives on the Changing Religious Diversity in the Great Plains. *Great Plains Research* 14(1):49-76.
- Barcus, Holly R. and Stanley D. Brunn. 2004. Mapping Changes in Denominational Membership in the Great Plains, 1952-2000. *Great Plains Research* 14(1):19-48.
- Barcus, Holly R., Suzanne M. Robbins, Travis Torrence. 2004. Examining the Outcomes of a Rural Housing Assessment in Rowan County, Kentucky. *Papers and Proceedings of the Applied Geography Conference* 27:390-399.
- Barcus, Holly R. 2002. Changing Occupant Characteristics in Rural Public Housing in the Great Plains: 1977-1996. *Housing Policy Debate* 13(4):729-754.
- 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.
- 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.

BOOK CHAPTERS (PEER REVIEWED), EDITED ARTICLES AND ENCYCLOPEDIA ENTRIES

- Barcus, H.R. 2009. Heterogeneity of Rural Housing Markets. 2009. Invited book chapter for *Rural Housing and the Exurbanization Process*. Ed. David Marcouiller. *Forthcoming*.
- Barcus, Holly R. and Cynthia Werner. 2007. Transnational Identities: Mongolian Kazakhs in the 21st Century. *Geographische Rundschau: International Edition* 3:4-10.
- Barcus, H.R. 2007. Transformation of China's Landscape: Assessing the Multiple Scales of Change in Shanghai, Beijing, and along the Middle Reaches of the Yangtze River, *Macalester International*. Macalester College, Minnesota.
- Barcus, H.R. 2006. Wal-Mart-scapes in Rural and Small Town America. In *From Bentonville to Beijing: Wal-Mart's Footprint on the Global Economy*. Ed. Stanley D. Brunn. Routledge: New York
- Barcus, H.R. 2006. 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.
- Barcus, H.R. 2005. Assessing variation in rural America's housing stock: Case studies from growing and declining areas. *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.
- Hail, Michael and Holly R. Barcus. 2005. "Rural Policy" in *American Federalism: An Encyclopedia*. Ed. J. R.

Marbach. Connecticut: Greenwood Press.

WHITE PAPERS, REPORTS, AND OTHER PUBLICATIONS

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

Barcus, H.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.

BOOK REVIEWS

Immigration, Incorporation, and Transnationalism. 2007. Edited by Elliot R. Barkan. Transaction Publishers: New Brunswick. *Population, Space and Place*, 14(2):159-160. March/April 2008.

PUBLIC REPORTS AND EXHIBITS FROM ACTION RESEARCH AND SERVICE LEARNING PROJECTS¹

“Saint Paul Parks and Recreation Centers: A Spatial Analysis of the Distribution and Accessibility of Student-Centered Programs and Services”. 2008. Prepared by students in GIS: Concepts and Applications in cooperation with the Saint Paul Parks and Recreation Department and the Saint Paul Public Schools. Full report is available at <http://www.macalester.edu/geography/gis/projects/SaintPaul/index.htm>

“The Crow River Watershed: An Annotated Atlas”. 2008. Prepared by students in GIS: Concepts and Applications in cooperation with students in Urban Geography Field Seminar (David Lanegran) and Cities of the 21st Century (Daniel Trudeau). Full atlas is available at <http://www.macalester.edu/geography/gis/projects/SaintPaul/index.htm>

“After-School Programs in Saint Paul: Availability and Access.” 2007. Prepared by students in GIS: Concepts and Applications in cooperation with the City of Saint Paul Mayors Office and the Saint Paul Public Schools. Full report is available at <http://www.macalester.edu/geography/gis/projects/SaintPaul/index.htm>

“Mapping Lake Street.” 2006. Prepared by students in GIS: Concepts and Applications in cooperation with the Minnesota Historical Society. The Lake Street Exhibit at the Minnesota History Museum dates: 18 Sept 2007 – 9 March 2008. More information available at <http://www.macalester.edu/geography/gis/projects/MHS/index.htm>.

“Collecting Bikeways Data in Minnesota.” 2006. Prepared by students in GIS: Concepts and Applications in cooperation with Minnesota Department of Transportation, Minnesota Land Management Information Center and Metropolitan Council. Full report is available at http://www.macalester.edu/geography/gis/projects/BikewaysProject_Geog364_Spring2006.pdf

“Target Populations to Receive PCEC Assistance in Minneapolis, Minnesota.” 2005. Prepared by students in GIS: Concepts and Applications in cooperation with the Phillips Community Energy Consortium (PCEC). Full report is available at http://www.macalester.edu/geography/gis/projects/PCEC_Macalester_Final_Report.pdf

BOOKS IN PROGRESS

An Introduction to Contemporary Population Geographies: Lives Across Space. With Keith Halfacree. *In progress*.

PAPERS IN PROGRESS

Population Policy Issues in Mongolia: An Assessment of Changes Since the 2000 Census.

¹ Each report listed in this section reflects the coordinated effort of the students enrolled in my GIS: *Concepts and Applications* (GEOG364) courses, taught at Macalester College beginning during the Fall Semester 2005. Students work collaboratively with a community partner to identify, analyze, and document finding for an applied research issue of interest to the partner.

Evaluating the connections between economic restructuring, policy change and demographic restructuring in the U.S.: A case study of the Great Plains.

Regional Ethnic Restructuring: The implications of multi-scale policy changes in the Great Plains.

Transnational Migration, Local Economic Change, and the Persistence and Adaptation of Rural Livelihoods: A Case Study of the Kazakh Diaspora in Western Mongolia

GRANTS, CONTRACTS, AWARDS AND FELLOWSHIPS (*Funded)

- 2009 *Civic Engagement Center grant for supporting civic engagement on the Rural Landscapes and Livelihoods (GEOG394) fieldtrip. \$350.
- *National Science Foundation. “Collaborative Research: Networks, Gender, Culture and the Migration Decision-Making Process: A Case Study of the Kazakh Diaspora in Western Mongolia” With Cynthia Werner, Texas A&M University, YR1 \$37,805, YR2 \$36,705 Macalester, YR1/YR2 \$44,133, \$49,387 Texas A&M). 2008-2010.
- *Collaborative Research: Networks, Gender, Culture and the Migration Decision-Making Process: A Case Study of the Kazakh Diaspora in Western Mongolia. Student-Faculty Summer Research Collaboration with Namara Brede, Macalester College. \$4,615. Work in progress.
- *Mapping the Mahajanga Basin, Madagascar. Collaborative grant with Professor Raymond Rogers, Geology and student, Anne Brown. Student-Faculty Summer Research Collaboration, Macalester. \$6,490. Work in progress.
- *Three Rivers Center Collaborative Research Grant with Stephanie Kleinschmidt (student). Upper St. Croix Streamflow Research Proposal for Summer 2009. Funded by the Three Rivers Center, Macalester and co-advised by Dan Hornbach, Kelly MacGregor, and Birgit Muehlenhaus. \$4,450. Work in progress.
- *National Science Foundation. “Developing a Strategic Plan for Macalester College's Field Station, the Katharine Ordway Natural History Study Area” With Jerald Dosch, Kelly MacGregor, Dan Hornbach, and Mark Davis, \$24,575.
- 2008 *National Science Foundation. “Collaborative Research: Networks, Gender, Culture and the Migration Decision-Making Process: A Case Study of the Kazakh Diaspora in Western Mongolia” With Cynthia Werner, Texas A&M University, YR1 \$37,805, YR2 \$36,705 Macalester, YR1/YR2 \$50,000 each Texas A&M). 2008-2010.
- *National Geographic Research Grants. “Networks, Gender, Culture and the Migration Decision-Making Process: A Case Study of the Kazakh Diaspora in Western Mongolia.” With Cynthia Werner, Texas A&M University, \$20,000. Awarded but declined by Barcus & Werner based on receipt of NSF funds.
- *Three Rivers Center Course Development Grant (Fall 2008) to develop the course “Landscapes and Livelihoods” (GEOG394). \$5,000. Course taught Spring 2009.
- Three Rivers Center Summer Collaborative Research Grant with Louise Sharrow (student) and co-advised by Dan Hornbach, Kelly MacGregor, and Birgit Muehlenhaus. \$4,450.
- 2007 *Wallace Research and Travel Grants. Travel Grant to attend the International Cartographic Association Conference in Moscow, Russia. August 2007. \$4,471.00.

- *Research Associate. Three Rivers Center, funded by Carnegie Mellon Foundation, Grant awarded to Prof. Dan Hornbach, Environmental Sciences Department. \$300,000.00.
- *Project Pericles Civic Engagement Course Development Grant. \$2000. With David Lanegan and Dan Trudeau.
- 2006 *Participant. Faculty Development International Seminar, China. Macalester College. May-June 2006.
- *Changing Population Dynamics of Rural Regions of the United States: Taking a Closer Look at the Great Plains. Sub-contract from Morehead State University through the US Department of Education \$30,000.
- *Migration Decision-Making, Culture, and Trans-National Identities: A Case Study of the Mongolian Kazakh Diaspora. Association of American Geographers, AAG Research Grant. \$1,000.
- *Migration Decision-Making, Culture, and Trans-National Identities: A Case Study of the Mongolian Kazakh Diaspora. Macalester College. Wallace Travel and Research Grant. \$5,950.
- *African Immigrants in the Twin Cities: A Study of Residential Patterns. Macalester College. Keck Student-Faculty Collaborative Research Program. \$4,300. Student collaborator: Sophia Giebultowicz.
- 2004 *Fulbright-Hays Contemporary Mongolia Project. University of Pittsburgh, Asian Studies Center. June-July 2004.
- 2003 *Mapping the availability and access to health services in Kentucky. With Timothy Hare. Morehead State University Internal Research Grant. \$3,662.00.
- *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.
- 1996 *Neighborhood Quality of Life Assessment, Charlotte Neighborhood Development Key Business, \$37,000 (with O.J. Furuseth and J. D. Lord).

ABSTRACTS

- 2009 Barcus, H.R. Mobility and Immobility in a Transnational Context: Changing Views of Migration Among the Kazakh Diaspora in Mongolia. 105th Annual Meeting of the Association of American Geographers. Las Vegas, Nevada.
- 2008 Barcus H.R. Ethnic Restructuring in the Great Plains? Association of American Geographers, 104th Annual Meeting, Boston MA.
- 2007 Barcus H.R. Migration decision-making, culture, and trans-national identities: A case study of the Mongolian Kazakh diaspora. Association of American Geographers, 103rd Annual Meeting, San Francisco, CA.
- 2006 Barcus, H.R. and S.D. Brunn. *Intergenerational Mobility and Attachment to Place in Eastern Kentucky*. Association of American Geographers, 102nd Annual Meeting, Chicago, IL.
- 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

- 2009 Transnational Migration, Local Economic Change and the Persistence and Adaptation of Rural Livelihoods: A Case Study of the Kazakh Diaspora in Western Mongolia. 17th Annual Colloquium of the International Geographical Union Commission on the Sustainability of Rural Systems, 2009. Maribor, Slovenia.

- Mobility and Immobility in a Transnational Context: Changing Views of Migration Among the Kazakh Diaspora in Mongolia. 105th Annual Meeting of the Association of American Geographers. Las Vegas, Nevada.
- 2008 The Kazakhs of Western Mongolia: Transnational Migration from 1990-2008. Co-presenter Cynthia Werner (Texas A&M). Invited conference. Contemporary Mongolia: Transitions, Development and Social Transformations. 14-17 November 2008. University of British Columbia, Vancouver.
- Keynote Lecture: Ethnic Restructuring in the Great Plains? Another Look at Changing Population Dynamics of Rural Regions of the United States. Understanding Counter-Urban Populations and Processes: Different Perspectives.* Dublin, Ireland September 2008.
- Ethnic Restructuring in the Great Plains? 104th Annual Meeting of the Association of American Geographers. Boston, MA. April 2008.
- 2007 *Bridging Academic-Public Divide in Collaborative Community-University Partnerships.* 23rd International Cartographic Conference. August 4-10, 2007. Moscow, Russia.
- Assessing rural population restructuring in the Great Plains: Regional Race and Ethnic Restructuring. The Global Rural: Rural Change, Connections and Scale: 6th Quadrennial Conference of British, Canadian, and American Rural Geographers. July 15-22, 2007. Spokane, Washington.
- Barcus H.R. Migration decision-making, culture, and trans-national identities: A case study of the Mongolian Kazakh diaspora. Association of American Geographers, 103rd Annual Meeting, San Francisco, CA. April 2007.
- 2006 *Changing Population Dynamics of Rural Regions of the United States: Taking a Closer Look at the Great Plains.* West Lakes Division of the Association of American Geographers, Lincoln, Nebraska, October (with Laura Meinke)
- Intergenerational Mobility and Attachment to Place in Eastern Kentucky.* Association of American Geographers, 102nd Annual Meeting, Chicago, IL (with Stanley D. Brunn).
- 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

- 2009 Talking About Teaching. CST discussion of the Three Rivers Project with Dan Hornbach, Dave Lanegran, Andrea Cremer, and Wang Ping.
- Presentation to the Academic Affairs Committee of the Macalester Board of Directors. GIS and Civic Engagement in Geography. 6 March 2009, with students Louise Sharrow (09) and Anna Popinchalk (09).
- Guest lecture. Reconsidering ethnic change and migration in the Great Plains. Economics of Migration, ECON 294. February 2009.
- Guest lecture. Implications of Transnational Migration for Mongolian Kazakhs. Human Geography of Global Issues, GEOG111, February, 2009.
- 2008 Transnational Kazakh Migration in Western Mongolia. GEOFEST Minnesota. 25 October 2008. Macalester College Geography Department.
- Keynote Lecture: Ethnic Restructuring in the Great Plains? Another Look at Changing Population Dynamics of Rural Regions of the United States. Understanding Counter-Urban Populations and Processes: Different Perspectives. Dublin, Ireland September 2008.
- Civic Engagement and Teaching at Macalester College. University of Minnesota, Department of Geography. April 2008.
- Panelist. "What should people know about data if they are going to teach using GIS?" NITLE Conference: Developing and Supporting Data Fluency. Macalester College. March 2008.
- Invited Guest Lecture. Ethnic Restructuring in the Great Plains? South Dakota State University Colloquium Series. March.
- Invited Guest Lecture. Land without Fences? A Look at Contemporary Mongolia. Teaching about the Geography and Cultures of Asia in the Middle Grades, a development workshop for teachers, sponsored by the Minnesota Humanities Center. February.
- 2007 Invited Guest Lecture. New Thoughts on Teaching GIS in a Liberal Arts Setting. Carleton College GIS Workshop. November 5, 2007.
- Invited Guest Lecture. The Emergence of the Hispanic Population in Rural America: Appalachia and the Great Plains. GEOG294: Regional Geography of Latin America. November 2007.
- Invited participant. NEESPI/LCLUC (Northern Eurasian Earth Science Partnership Initiative/ Landcover and Landuse Change) Drylands Meeting sponsored by NASA. Urumqi, China. September 16-21, 2007.
- Invited Guest Lecture. University of Colima, Colima, Mexico. Considering the implications of Hispanic Migration to the U.S. in the Context of Rural Communities in the Great Plains. July 27, 2007.
- GIS Workshop Session Instructor: Mapping Social Services Accessibility with GIS. University of Colima, Colima, Mexico. July 27-28.
- 2006 Invited Guest Lecture. *Migration Decision-Making, Culture, and Transnational Identities: A Case Study of the Mongolian Kazakh Diaspora*. Minnesota State University, Geography Department Colloquium. December.

- 2005 Invited Guest Lecture. *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 Invited Guest Lecture. *Aging, migration and the 'elasticity' of place in Eastern Kentucky*. University of Kentucky Department of Geography Colloquia Series.
- 2003 Invited Lecture with Jeremy L. Hall. *Leadership Skills*. Workshop for HUD Youthbuild Participants. Hazard, KY. January & March (2 sessions).
- 2002 Invited Lecture. *GIS Applications for Community Economic Development*. Economic Development, Industrial Recruitment and Business Expansion Workshop. Center for Rural Development, Somerset, KY.
- 2000 Workshop presentation with Nancy Leathers and Kristen Rundquist. 2000. *ArcView: An Introduction and Workshop for Forestry Extension Officers*. Kansas State University, Manhattan, KS.
- 1999 Invited Lecture with Todd Horneman. 1999. *Kansas GAP: Modeling Species Habitat using ArcInfo, ArcView and Access*. Great Plains GAP Meeting, Manhattan, KS. 1999.
- 1997 Invited Lecture. *City within a city neighborhood quality of life index*. Upper Midwest American Planning Association Conference, Chicago, IL. 1997.

PROFESSIONAL SERVICE

- **Program Reviewer.** *Russia in Flux*. Institute of Finland. Helsinki, Finland. December 2008.
- **Textbooks/Lab Manuals Support Materials:**
 - Bergman, Edward and William Renwick. 2007. *Introduction to Geography: People, Places and Environment*, 4th ed. New Jersey: Prentice Hall. Graphics and instructor support materials.
 - Bergman, Edward and William Renwick. 2005. *Introduction to Geography: People, Places and Environment*, 3rd ed. New Jersey: Prentice Hall. Graphics and instructor support materials.
 - Bergman, Edward and William Renwick. 2003. *Introduction to Geography: People, Places and Environment*, 2nd ed. New Jersey: Prentice Hall.
- **Journal and Grant Reviews**
 - *Journal of Rural Sociology*, Reviewer 2009
 - *Human Organization Journal*, Reviewer 2009
 - NSF, Grant Review 2009
 - ESRI, Book Reviewer 2008
 - *Proceedings of the Applied Geography Conference*, Reviewer 2008, 2009
 - *Southeastern Geographer*, Reviewer 2007, 2008
 - U.S. Department of Agriculture, Grant Reviewer 2007
 - *The Geographical Bulletin*, Reviewer 2007
 - *Professional Geographer*, Reviewer 2007
 - Elsevier, JAI, Reviewer 2005
 - HUD Community and Outreach Partnership Center (COPC) Grant Review, August 2005
 - *Growth and Change*, Reviewer 2004
- **Professional Meeting Session Chair, Discussant, or Organizer**
 - Nystrom Dissertation Awards Committee. Committee members judge the 2009 Association of American Geographers Nystrom Dissertation Awards Papers at the Annual Meeting of the AAG, Las Vegas, Nevada

- Session Chair: New Voices in Rural Geography. Association of American Geographers Annual Meeting, April 2008.
- Session Organizer: New Voices in Rural Geography. Association of American Geographers Annual Meeting, April 2008.
- Discussant: Southeastern Division of the Association of American Geographers, 2004
- 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**
 - Member, Kansas State Geography Alumnae Board, 2007-2009
 - Program Committee, The Global Rural: Rural Change, Connections and Scale. The Sixth Quadrennial Conference of British, Canadian, and American Rural Geographers. Spokane, WA, July 15-20, 2007.
 - Awards Director, Rural Geography Specialty Group, Association of American Geographers, 2007-2009.
 - Board of Directors, Rural Geography Specialty Group, Association of American Geographers, 2004-2006, 2006-2007.
 - Member, AAG National Data Standards Committee, 2004-2006
 - Member, SEDAAG (Southeastern Division of the Association of American Geographers) 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.

ENGAGEMENT IN OFF-CAMPUS CIVIC ACTIVITIES

- **Technical Advisory Panel member.** Minnesota Dept. of Transportation and Hubert H. Humphrey Public Policy Institute. "The Impact of Bike Facilities on Commute Mode Share." Saint Paul, MN. 2007-2008.
- **Metro Bikeways Policy Advisory Committee,** Minnesota Dept. of Transportation. Saint Paul, MN. 2006-2007.
- **City of Morehead 2000 Census Recount Question,** Morehead, KY. Spring 2002
- **Wolfe County Economic Development Project (With UK Extension),** Wolfe County, KY. Fall 2001

COLLEGE SERVICE ACTIVITIES

- **Sustainability Committee** 2009
- **Action Fund Committee** 2009
- **Social Science Institutional Review Board,** 2008-2009
- **Fulbright Screening Committee,** Fall 2008
- **Staff Search Committee, International Studies,** Fall 2008
- **Co-organizer GeoVisualization Colloquium.** March 2008. Co-coordinator with Tsegaye Nega, Carleton College. This was a full-day workshop with four nationally prominent guest lecturers and 28 faculty participants. Funded by a Mellon Faculty Life Cycles Grant to Macalester and Carleton Colleges, \$10,000.
- **Center for Scholarship and Teaching Advisory Committee,** Fall 2007-present.
- **Faculty Search Committee,** Mathematics and Computer Science, 2007-2008.
- **Action Fund Committee,** Macalester College, Spring 2007, Spring 2008, Fall 2008.
- **Geography Department Library Representative.** Macalester College, 9/06-Present.
- **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.
- **Space Science Center Economic Development Sub-Committee.** Morehead State University, 2001-2005.

DEPARTMENT SERVICE ACTIVITIES

- **Organizer** for student practice session for students presenting papers at the 2009 Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.

- **Career Panel Co-Coordinator** (with Dan Trudeau). Spring 2009.
- **International Center Faculty Representative for Geography**, 2009
- **Founder and Coordinator Honors Colloquium**, Fall 2008
- **Career Panel Co-Coordinator** (with Dave Lanegran). Spring 2008.
- **Department Library Representative**, Geography Department, Macalester College, 2005-present.
- **Organizer** for student practice session for students presenting papers at the 2008 Annual Meeting of the Association of American Geographers, Boston, MA.
- **Career Panel Co-Coordinator** (with Dan Trudeau). Spring 2007.
- **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 2003-2005.
- **FEP Revision Committee**, Geography, Government and History, MSU, Fall 2003-2005.
- **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- 2005.
- **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 - 2005.
- **Department Planning Committee**, Department of Geography, Government and History, Morehead State University, 2001-2005.
- **Geography Curriculum Committee**, Department of Geography, Government and History, Morehead State University, 2001- 2005.
- **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 COLLEGE/UNIVERSITY AND COMMUNITY PROJECTS

- 2008. Saint Paul Parks and Recreation and Saint Paul Public Schools, collaborative class project between these organizations and *GEOG364: GIS: Concepts and Applications* students. Project objective was to assess accessibility and availability of food and recreation programs sponsored by SPPR. <http://www.macalester.edu/geography/gis/projects/>
- 2008. Collaborative class project between *GIS: Concepts and Applications* (Holly Barcus) students in cooperation with students in *Urban Geography Field Seminar* (David Lanegran) and *Cities of the 21st Century* (Daniel Trudeau). Project objective was to map and analyze trends in the Crow River Watershed. <http://www.macalester.edu/geography/gis/projects/>
- 2007. City of Saint Paul and Saint Paul Public School District, collaborative class project between the City and SPPS and *GEOG364: GIS: Concepts and Applications*. Project objective is to identify ‘gaps’ in accessibility to after-school activities for K-12 students. <http://www.macalester.edu/geography/gis/projects/>
- 2006. Minnesota Historical Society, collaborative class project between MHS and *GEOG364: GIS: Concepts and Applications*. Results will be displayed at the MN History Museum as part of the Lake Street exhibit opening September 2007. A website is currently being developed. <http://www.macalester.edu/geography/gis/projects/>
- 2006. Minnesota Department of Transportation, Land Management Information System and Metropolitan Council. A collaborative class project between MnDOT, LMIC, Met Council and *GEOG364: GIS: Concepts and Applications*. Results are currently being used as the basis for inter-agency collaborative data management strategy for Bikeways data in the Metro area. Results are available at:

http://www.macalester.edu/geography/gis/projects/BikewaysProject_Geog364_Spring2006.pdf OR
http://www.macalester.edu/geography/gis/projects/BikewaysPresentation_sp2006.pdf

- 2005. Phillips Community Energy Cooperative. A collaborative class project between PCEC and *GEOG364: GIS: Concepts and Applications*. Results are available at:
http://www.macalester.edu/geography/gis/projects/PCEC_Macalester_Final_Report.pdf
- 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

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