

Dr. Katie Algeo

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Areas of Emphasis

Cultural Geography, Historical Geography, GIS, Historical GIS, Agricultural Geography, Tourism, Geography of Wine, Appalachia, US South, North America

Education

- 1998 **Ph.D.** Louisiana State University - Geography
Dissertation: Tobacco Farming in the Age of the Surgeon General's Warning: The Cultural Ecology and Structuration of Burley Tobacco Production in Madison County, North Carolina
- 1984 **B.S.** Duke University - Computer Science & Mathematics, *summa cum laude*

Academic Positions

- 2005 – present Associate Professor, Geography, Western Kentucky University
2001 – 2005 Assistant Professor, Geography, Western Kentucky University
1998 – 2001 Assistant Professor, Geography, University of Wisconsin - Stevens Point
1997 – 1998 Instructor, Geography, University of Wisconsin - Stevens Point
1996 Instructor of Record, Geography, Louisiana State University

Other Professional Positions

- 1989 - 1991 Data General Corporation, Research Triangle Park, NC
File system project leader and software developer for DG/UX operating system.
- 1988 - 1989 Centrum Wiskunde & Informatica, Amsterdam, Netherlands
System software developer for the Amoeba distributed operating system.
- 1984 - 1988 Data General Corporation, Research Triangle Park, North Carolina
Software developer for the DG/UX operating system.
- 1984 RIM Technology Inc., Durham, North Carolina
Software developer for relational database system.

Courses Taught

Human/Cultural (undergraduate): Principles of Human Geography, Cultural Geography, Geography of Food and Agriculture, Geography of Wine, Geography of Tourism, Geography of the United States and Canada, Landscapes of Wisconsin's Driftless Region, Community Development

Human/Cultural (graduate): Cultural Geography, Historical Geography, Geography of Wine

Techniques (undergraduate): Geographic Information Systems, GIS Modeling and Analysis, Historical GIS, Computer Cartography, Introduction to Geographic Research, Applied Statistics in Geography

Techniques (graduate): GIS Modeling and Analysis, Geoscience Research & Literacy, Statistics

Peer-Reviewed Publications

Algeo, Katie. 2012. Underground Tourists / Tourists Underground: African American Tourism to Mammoth Cave. *Tourism Geographies*. Accepted for a special issue on African American tourism.

Algeo, Katie, Epperson, Ann, and Brunt, Matt. 2011. Historical GIS as a Platform for Public Memory at Mammoth Cave National Park. *International Journal of Applied Geospatial Research*, 2(4), 19-36.
*Selected as the best article of 2011 by IJAGR.

Schlosser, Kolson, George White, Jonathan Leib, Simon Dalby, Katie Algeo, David Jansson, and Jackson Zimmerman. 2011. Nationalism in Geography Classrooms: Challenges and Opportunities. *Journal of Geography*, 110(4), 166-175.

Algeo, Katie 2010. Remembering Rural Community: Historical GIS for Mammoth Cave National Park. In *Geographical Perspectives on Sustainable Rural Change*, Winchell, Dick, et al. eds. Brandon, Manitoba: Rural Development Institute, pp 403-413.

Algeo, Katie. 2009. Indian for a Night: Sleeping with the "Other" at Wigwam Village Tourist Cabins, *Material Culture*, 41(2), 1-17.

Algeo, Katie. 2007. Teaching Cultural Geography with *Bend It Like Beckham*. *Journal of Geography*, 106(3), 133-143.

Algeo, Katie. 2005. Mammoth Cave National Park and Rural Economic Development. In *Rural Change and Sustainability: Agriculture, the Environment and Communities*, S.J. Essex et al. eds., 230-243. Wallingford, Oxfordshire: CABI Publishing.

Algeo, Katie. 2004. Mammoth Cave and the Making of Place. *Southeastern Geographer*, 44(1), 27-47.

Algeo, Katie. 2003. Locals on Local Color: Resisting the Construction of Identity in Appalachia. *Southern Cultures*. 9(4), 27-54.

Algeo, Katie. 2002. Tobacco in Transition: Issues facing burley growers and communities. *The North Carolina Geographer*. 10, 29-34.

Algeo, John and Algeo, Katie. 2000. Onomastics as an interdisciplinary study. *Names*, 48(1), 59-69.

Algeo, Katie. 1997. The Rise of Tobacco as a Southern Appalachian Staple: Madison County, North Carolina. *Southeastern Geographer*. 37(1), 46-60.

Other Publications

- Algeo, Katie. 2008. The Puzzling Mr. Janin and Mammoth Cave Management, 1900-1910. Proceedings of the Max Kämper Centennial Symposium & 9th Science Symposium: Cultural History and Research. Mammoth Cave, KY: Mammoth Cave National Park, pp. 11-21.
- Algeo, Katie. 2008. Handbook of Rural Studies by Paul Cloke, Terry Marsden, and Patrick H. Mooney. *Professional Geographer*, 60(2), 294-6.
- Algeo, Katie. 2005. Walking Tour – Historic Scottsville, Kentucky. Scottsville, KY: Heart of Scottsville.
- Algeo, Katie. 2005. Appalachian Folkways by John B. Rehder. *Southeastern Geographer* 45(1), 151-2.
- Algeo, Katie. 2003. GIS and Public Health by Ellen Cromley and Sara McLafferty. *Cartography and Geographic Information Science*, 30(3), 291-2.
- Algeo, Katie. 2003. Settlement History of the Cumberland Gap Region. In *Geologic Impacts on the History and Development of Middlesboro, Kentucky*, Kuehn, K.W., Milam, K.A., and Smath, M.L., eds., 3-8, guidebook to the 2003 Annual Field Conference, Kentucky Society of Professional Geologists.
- Algeo, Katie. 1994. OzGIS. *The AAG Newsletter*, 29(7).
- Algeo, Katie. 1993. The 1990 Census and GIS: a case study of daycare accessibility in East Baton Rouge Parish. In *1993 ACSM/ASPRS Annual Convention Technical Papers*, Vol. 1, 1-10, Gary Kelly, ed. Bethesda, MD: ASPRS/ACSM.
- Algeo, Katie. 1992. Farmers, Hunters, and Colonists by Katherine A. Spielmann, *Cultural Ecology Newsletter*. Number 21.

Publications in Development

Algeo, Katie (In Development) Mammoth Cave and the Making of Place: A Cultural History. - Book

This book uses an in-depth case study of Mammoth Cave, Kentucky, to explore the power of cultural values to transform the land. It traces the region's development through industrial and private tourism phases before it was designated a national park and reconstructed as a wilderness landscape.

Mammoth Cave was one of America's least likely national parks because of a long history of human use during the modern era and because it did not conform to the internationally recognized national park model established by the earliest parks, such as Yosemite and Yellowstone. By focusing on the motivations and actions of individuals instrumental at each stage of Mammoth Cave's history, as well as the business, non-profit, and government institutions through which they worked, the project reveals how cultural values are inscribed on the land and the power of ideology to profoundly and materially transform our world.

Each of the following articles presents research that I have done to understand specific aspects of Mammoth Cave's cultural history. The individual articles allow topics to be explored at greater length than the book can accommodate. Each will be submitted to a peer-reviewed publication.

Algeo, Katie (In Development) (Re-)creating nature at Mammoth Cave National Park – Journal article

Algeo, Katie (In Development) An underground history of mushroom production – Journal article

Algeo, Katie (In Development) A social geography of saltpeter. – Journal article

Grants and Fellowships

In Nature's Image: Constructing Wilderness at Mammoth Cave National Park. National Endowment for the Humanities Research Fellowship, 2011, \$50,400, Not funded.

Dimensions of Cultural Change. Silbereisen Fund. To fund research activities related to cultural change and rural development. Nine awards, 2002 - 2010. \$52,500 total awarded.

Mammoth Cave and the Making of Place. Filson Historical Society, Filson Fellowship, 2008, \$500 awarded.

Present at the Creation: Public Memory and the Making of Mammoth Cave National Park. National Endowment for the Humanities, Digital Humanities Initiative Start-Up Grants, PI, 2007, \$30,000 not funded.

11,000 Years of Culture History at Mammoth Cave National Park. National Endowment for the Humanities, Landmarks of American History and Culture: Workshops for Community College Faculty, Co-PI, 2005, \$113,000 awarded.

Mammoth Cave and the Making of Place: Tourism Development 1816 – 1930. WKU Junior Faculty Scholarship Program. 2003. \$4,000 awarded.

Undergraduate Research Assistantship for Student Recruiting GIS. Office of Academic Affairs, WKU, \$1,000 awarded.

Use of Corel Draw for Cartographic Instruction and Map Finishing in the Spatial Information Analysis Lab. UWSP Information Technology Development. To fund acquisition of Corel Draw software for a twenty-seat computer lab. 2000.

Hinterland Connections: Moving Mountain Tobacco to Market, 1900 – 1930. UWSP Personnel Development Committee. To fund archival research into transportation and marketing systems used by tobacco farmers in Madison County, North Carolina. 2000.

Human Geography in Action Workshop. UWSP Personnel Development Committee. Funded travel to an NSF-funded workshop focusing on active learning methodologies. 1999.

Tobacco Farming in the Age of the Surgeon General's Warning: Change and Adaptation in North Carolina's Burley Belt. Robert C. West Graduate Student Field Research Fund. Funded a reconnaissance field trip to western North Carolina. 1993.

Dissertation Fellowship, Louisiana State University, 1996 - 1997

Regents Fellowship, Louisiana State University, 1991 - 1995

Conference Papers, Posters, and Invited Lectures

- The Mysterious Mammoth Cave Mushroom Mishap: Historical Geographer as Sleuth, Southeastern Division of the Association of American Geographers, Nov. 2011, Savannah, GA.
- Sabotage, Fraud, or Mere Misfortune? The Mysterious Case of the Mammoth Cave Mushroom Company, Pioneer America Society-Association for the Preservation of Artifacts and Landscapes, Oct 2011, Stuart, FL.
- National Park Origins: Structure and Agency in the Creation of Mammoth Cave National Park, Association of Pacific Coast Geographers, Sept. 2011, San Francisco, CA.
- Historical GIS as a Platform for Public Memory at Mammoth Cave National Park, Quadrennial British-American-Canadian Rural Geography Conference, 2011, Winnipeg, MB.
- People, Politics, and a Park: The Unvarnished Story of the Creation of Mammoth Cave National Park, International Conference on Karst Hydrogeology and Ecosystems, Hoffman Environmental Research Institute, 2011, Bowling Green, KY.
- Who Bought the Park? The Geography of Fund-Raising for Mammoth Cave National Park, Association of American Geographers, 2011, Seattle, WA.
- Historical GIS and the Pre-Park Population of Mammoth Cave National Park, George Wright Society, 2011, New Orleans, LA.
- Same Place, Separate Spaces: The Bransford Hotel at Mammoth Cave Southeastern Division of the Association of American Geographers, 2010, Birmingham, AL.
- Underground Tourists/Tourists Underground: The Origins of African-American Tourism at Mammoth Cave, Race, Ethnicity, and Place V, 2010, Binghamton, NY.
- Mammoth Cave History, Barren County Historical Society, Invited talk, 2010.
- Dark Visions: Cave Promotion and Visual Media, Association of American Geographers, 2010, Washington DC.
- Mammoth Dreams: Construing & Constructing Place at the World's Longest Cave, Kansas State University, Feb 2010. Invited lecture.
- Southern Saltpeter: A Social Geography, Southeastern Division of the Association of American Geographers, 2009, Knoxville, TN.
- A Social Geography of KNO₃. Pioneer America Society, 2009, Pipestem, WV.
- Tourism's Tragedy of the Commons at Mammoth Cave, Southeastern Division of the Association of American Geographers, 2008, Greensboro, NC.

- The Puzzling Mr. Janin and Mammoth Cave Management, 1900-1910, Max Kämper Centennial Symposium & 9th Science Symposium: Cultural History and Research, 2008, Mammoth Cave National Park.
- National Parks and the Inversion of Appalachian and Hill Country Stereotypes, Southeastern Division of the Association of American Geographers, 2007, Charleston, SC.
- Indian for a Night: Sleeping with the “Other” at Wigwam Village Tourist Cabins, Pioneer America Society, 2007, Hagerstown, MD.
- Remembering Rural Community: Using Digital Technologies to Foster a Virtual Site of Public Memory for the Pre-Park Communities of Mammoth Cave National Park, Quadrennial British-American-Canadian Rural Geography Conference, 2007, Spokane, WA.
- Present at the Creation: Negotiating Nature and Culture in the Early Years of Mammoth Cave National Park, Association of American Geographers, 2007, San Francisco, CA.
- Pre-Park Habitation of the Mammoth Cave Region: Settlements and Homesteads. Pioneer America Society, 2006, Springfield, OH.
- Structures and Strategies in Creating a Kentucky Wine Region. Association of American Geographers, 2006, Chicago, IL.
- Cultivating the Grape in a Dry Climate. Southeastern Division of the Association of American Geographers, 2005, West Palm Beach, FL.
- Are You Being Served? Viticulture in the Service of Economic Development. Kentucky Academy of Science, 2005, Richmond, KY.
- Sikhing Identity in *Bend It Like Beckham*: Sikhs Speak. Association of American Geographers, 2005, Denver, CO.
- Sikhing Identity in *Bend It Like Beckham*. Southeastern Division of the Association of American Geographers, 2004, Biloxi, MS.
- The History of Tourism to Mammoth Cave. Invited lecture given to the Allen County (KY) Historical Society, Sept. 15, 2004.
- Threnody for Tobacco. Association of American Geographers, 2004, Philadelphia, PA.
- You Can Get There From Here: Transportation, Tourism, and Mammoth Cave's Gateway Communities. Southeastern Division of the Association of American Geographers, 2003, Charlotte, NC.
- Settlement History of the Cumberland Gap Area. Kentucky Society of Professional Geologists Annual Field Conference, 2003, Middlesboro, KY.

- Mammoth Cave National Park and Rural Economic Development. British-American-Canadian Conference on Rural Geography, 2003, Exeter and Plymouth, England.
- Rail, River, and Road: Transportation and Mass Tourism at Mammoth Cave. Association of American Geographers, 2003, New Orleans, LA.
- Mammoth Cave and the Making of Place. Southeastern Division of the Association of American Geographers, 2002, Richmond, VA.
- The Geography of Burley Tobacco Markets. Association of American Geographers, 2002, Los Angeles, CA.
- Tobacco Communities in Transition. Invited lecture given at a rural development conference sponsored by East Carolina University, Curing the Future: Issues & Strategies in Remaking Tobacco-Dependent Communities, Feb. 28, 2002
- Appalachian Stereotypes: An Epistemological Snapshot. Invited lecture given at Ball State University, Oct. 28, 2001.
- Locals on Local Color: Resisting the Construction of Identity in Appalachia. Association of American Geographers, 2001, New York, NY
- Contra Dance: A New Urban Folk Tradition. Association of American Geographers, 2000, Pittsburgh, PA.
- Mapping the Diffusion of New England Contra Dance. Poster. West Lakes Division of the Association of American Geographers, Fall 1999, De Kalb, IL.
- Accommodation and Appropriation, Protest and Negotiation: Community Control of Forest Resources in Southern Appalachia. Association of American Geographers, 1999, Honolulu, HI.
- The Structuration of Burley Tobacco Production: Landscape and Labor in Madison County, North Carolina. Association of American Geographers, 1997, Fort Worth, TX.
- The Land Tobacco Made: Development of a Western North Carolina Farm System, 1869 - 1995. Southeastern Division of the Association of American Geographers, Fall 1996, Athens, GA.
- Festivals of Louisiana: Exploratory Spatial Analysis using Atlas GIS. Invited lecture delivered to Geography 7902, Research Methods in Geography, Louisiana State University, Spring and Fall Semesters 1996.
- The Persistence of Ginseng. Southeastern Division of the Association of American Geographers, Fall 1995, Knoxville, TN.
- Tobacco Farming in the Age of the Surgeon General's Warning: Change and Adaptation in North Carolina's Burley Belt. Robert C. West Field Research Forum, Louisiana State University. Oct. 28, 1994.
- Tobacco Farming in the Age of the Surgeon General's Warning: Agricultural Change in North Carolina's Burley Belt. Southwestern Division of the Association of American Geographers, Fall 1994, Little Rock, AR. Third place, student paper competition.

The 1990 Census and GIS: A Case Study of Daycare Accessibility in East Baton Rouge Parish. American Congress on Surveying and Mapping/American Society for Photogrammetry and Remote Sensing, 1993, New Orleans, LA.

Graduate Student Theses Directed

Schmitz, Elizabeth Robb. 2010. Factors in the Growth of Kentucky Farmers Markets.

Epperson, Ann. 2010. Internet GIS as a Historic Place-Making Tool for Mammoth Cave National Park.

Jeng, Shwu-jing. 2010. GIS Analysis of Changing Demographic Patterns and Ethnic Restaurant Locations in Bowling Green, Kentucky, 1940-2005.

Brunt, Matthew. 2009. Before the Park: Historical GIS and Mammoth Cave.

Chaney, Jim. 2007. The Rise of an Hispanic Enclave in Davidson County, Tennessee.

Dalton, Sara. 2006. Strategies for Reducing Mosquito-Borne Disease Vulnerability in Equine Populations: A Kentucky Case Study.

Briggs, Michael. 2004. Roadside Memorial Practices: An Examination of Landscapes of Commemoration in Warren County, Kentucky.

Graham, Mark. 2004. Understanding Perceptions of Accessibility and Mobility through Structuration Theory.

Thomas, Joel. 2004. Tourism and Rural Identity in the Waasland, Belgium.

Awards and Honors

Data General Software Development Contributor of the Quarter

Phi Beta Kappa

Phi Kappa Phi

Phi Eta Sigma

National Merit Scholarship

Selected Service Activities

Profession

AAG (Association of American Geographers) - Nominating Committee, 2011; Director, Rural Geography Specialty Group, 1998 - 2004; Web Master, Rural Geography Specialty Group 2000 - 2004

PAS:APAL (Pioneer America Society: Association for the Preservation of Artifacts and Landscapes) – Board Member, 2011 - present

SEDAAG (Southeastern Division of the Association of American Geographers) – Program Committee, 2011 & 2008; Treasurer, 2007 - 2009; Honors Committee Chair, 2006; Honors Committee, 2005; Kentucky State Representative, 2002 – 2003

Mammoth Cave International Center for Science and Learning - Strategic Planning Committee, 2006 – 2007; Search Committee for Education Program Specialist, 2006

Southeastern Geographer - Editorial board, 2004 – 2006

Names - Search Committee for Editor, 2002

Reviewer: *Professional Geographer, Geographical Review, Journal of Cultural Geography, Journal of Geography, Historical Geography, Material Culture, Southeastern Geographer, Southwestern Geographer*

Kentucky State Geography Bee, Judge and/or Moderator, 2002 - present

Kentucky Science Olympiad, Roads Scholar, 2005

University, College & Department

WKU Ogden College of Science and Engineering - Research and Creative Activities Program Review Committee, 2010 – 2012; Dean's Advisory Committee, 2007 - 2008; Student Awards Committee, 2007 – 2008; Library Committee, 2006 – 2007; Sabbatical Committee, 2006 - 2007; Student Complaint Committee, 2005 - 2006; Curriculum Committee, 2004 - 2005

WKU Department of Geography and Geology - Search Committee Chair, Cultural Geographer, 2008 – 2009; Library Liaison, 2001 – 2007; Search Committee, Planner, 2005 – 2006; Graduate Curriculum Workgroup, 2005 – 2006; Search Committee Chair, Planner, 2004 – 2005; Geology Program Ad-Hoc Committee, 2003 – 2005; Scholarships and Student Enhancement Workgroup, 2003 – 2004; Undergraduate Curriculum Workgroup, 2003 – 2004; Marketing and Promotion Workgroup, 2002 – 2003; Grants and Research Centers Workgroup, 2002 – 2003; Graduate Curriculum Committee, 2001 – 2002; Technology & Facilities Workgroup, 2001 - 2002

WKU Mesonet - Search Committee, Climate Analyst, 2006

UWSP Faculty Senate - Faculty Mediation Subcommittee, 1999 - 2000

UWSP College of Letters and Science – Faculty Merit and Awards Committee, 1999 - 2000

UWSP Department of Geography and Geology - Student Affairs Committee Chair, 1998 – 2001; Student Affairs Committee 1997 – 2001; Curriculum Committee, 1998 – 1999; Library Committee, 1997 - 1998

Gamma Theta Epsilon (Geography Honor Society) – Faculty advisor to UWSP chapter, 1998 - 2001

Community

Friends of Dumont Hill (dedicated to the preservation and interpretation of the Civil War encampment at Dumont Hill in Scottsville, KY) – Board of Directors, 2008 – present; Activities include planning and development of a walking trail system with interpretive signage, site cleanup, map preparation, and an annual Civil War-era living history event.

Allen County Historical Society - Guide, Graveyard Historical Tour, 2004 – 2007; Computer installation services, 2007; Early courthouse record preservation, team member, 2004;

Heart of Scottsville (Main Street Program) - Walking Tour of Historic Downtown Scottsville for the Jacksonian Days Festival, 2006 – 2007; Design Committee, 2005; Community Visioning Meeting, Facilitator, 2005; Developed a brochure detailing a walking trail of historic downtown Scottsville that was published and distributed by the Chamber of Commerce.

Planning Focus Group for Re-Use of J.L. Turner & Son Warehouse, Scottsville, KY, 2006.

Allen County High School – Tutor, Science Olympiad Team, 2006.

Allen County Middle School – Tutor, Science Olympiad Team, 2005.

Habitat for Humanity, Allen County, Kentucky – Home construction, 2002.

Memberships in Professional Societies

Association of American Geographers
Southeastern Division of the Association of American Geographers
Pioneer America Society
The American Name Society
Allen County Historical Society