

# Mark Daniel Spond

Liaison to the National Park Service  
Appalachian State University  
ASU Box 32021 Boone, North Carolina 28608  
spondmd@appstate.edu  
Office Phone: 828.262.8412

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## RESEARCH AND TEACHING INTERESTS

Conservation, Environmental History, National Parks, Biogeography

## EDUCATION

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- Ph.D. (2011) The University of Tennessee, Knoxville, Tennessee  
Department of Geography  
*Dissertation: Dendroclimatology and Woodland Dynamics on the Volcanic Badlands of Western New Mexico, USA*  
Advisors: Henri D. Grissino-Mayer, Sally P. Horn, and Carol P. Harden
- M.A. (2007) The University of Arkansas, Fayetteville, Arkansas  
Department of Geosciences (Geography)  
*Thesis: Ancient Cypress-Tupelo Forests at the Dagmar Wildlife Management Area, Arkansas, USA*  
Advisors: David W. Stahle, Malcolm K. Cleaveland, and Jason A. Tullis
- B.A. (2003) The University of Arkansas at Little Rock, Little Rock, Arkansas  
Department of History  
*Concentrations in the American Civil Rights Movement and Public History*  
Minor: Business Administration

## PROFESSIONAL APPOINTMENTS

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*Liaison to the National Park Service* – Spring 2016 -- Present  
Appalachian State University

*Liaison to the Blue Ridge Parkway* - Spring 2013–Fall 2015  
Appalachian State University

*Research Assistant Professor* - Spring 2012–Fall 2012  
Department of Geography and Planning, Appalachian State University  
Courses Taught: Environmental Issues in Appalachia (GEOG 3320),  
Geography of Biodiversity (GEOG 3130), Introduction to Physical Geography (GEOG 1010),  
World Regional Geography (GEOG 1020)

***Adjunct Instructor*** - Fall 2011–Spring 2012

University College, Appalachian State University

First Year Seminar

Courses Taught: Environmental Archives, Finding Wilderness (UCO 1200)

***Graduate Teaching Assistant*** - Spring 2011

Department of Geography, University of Tennessee

Geography 333 & Geography 334

Climate Change and Human Response & Meteorology

***Graduate Teaching Associate***- Fall 2010

Department of Geography, University of Tennessee

Geography 131

Introduction to the Natural Environment I: Earth Systems and Climate

***Head Graduate Teaching Assistant*** - Spring 2010

Department of Geography, University of Tennessee

Geography 132 lab

Introduction to the Natural Environment II: Land Processes and Soils

***Graduate Teaching Associate*** - Fall 2009

Department of Geography, University of Tennessee

Geography 131

Introduction to the Natural Environment I: Earth Systems and Climate

***National Science Foundation GK-12 Fellow*** - Summer 2008–Summer 2009

Department of Geography, University of Tennessee

Principal Investigators: Sally P. Horn, Ken Orvis, and Lynn Champion.

A project funded by the National Science Foundation to improve the teaching of earth science in rural middle schools of east Tennessee and to increase community attention to earth and environmental science issues. NSF Grant No. 0538420

***Graduate Research Assistant*** - Summer 2008

Department of Geography, University of Tennessee

A competitive research assistantship awarded through the University of Tennessee College of Arts and Sciences.

***Graduate Teaching Assistant*** - Fall 2007–Spring 2008

Department of Geography, University of Tennessee

Geography 131 lab

Introduction to the Natural Environment I: Earth Systems and Climate

Geography 132 lab

Introduction to the Natural Environment II: Land Processes and Soils

***Project Coordinator*** - Fall 2007

Laboratory of Tree-Ring Science, University of Tennessee

“Developing oak chronologies from an Arkansas wildlife refuge”

*Graduate Teaching Assistant* - Fall 2006–Spring 2007  
Department of Geosciences, University of Arkansas  
Geology 1131 lab: Environmental Geology

*Laboratory Technician* - Spring 2005–Summer 2007  
Tree-Ring Laboratory, Department of Geosciences, University of Arkansas

*University of Arkansas, Little Rock, Department of History Student Associate* - 2003  
Little Rock Central High School National Historic Site, Little Rock, Arkansas

*Student Conservation Association (SCA) Resource Interpretation Intern* - 2001  
Arches National Park, Moab, Utah

## PUBLICATIONS

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Rochner, M.L., S.L. van de Gevel, **M.D. Spond**, and H.D. Grissino-Mayer. 2017. Using dendrochronology to investigate the historical and educational value of two log structures at Bear Paw State Natural Area, North Carolina, U.S.A. *Tree-Ring Research* 73: 136-148.

**Spond, M.D.**, S.L. van de Gevel, and H.D. Grissino-Mayer. 2014. Climate-growth relationships in *Juniperous scopulorum* on the volcanic badlands of western New Mexico, U.S.A. *Dendrochronologia* 32: 137-143.

**Spond, M.D.**, H.D. Grissino-Mayer, and G.L. Harley. 2014. Comparing mixed-conifer woodland dynamics on the Bandera Lava Flow, New Mexico, U.S.A. (1947–2010). *The Southwestern Naturalist* 59: 235-243.

van de Gevel, S.L., J.L. Hart, **M.D. Spond**, P.B. White, M.N. Sutton, and H.D. Grissino-Mayer. 2012. American chestnut to red oak: a dendroecological study of forest succession in the Blue Ridge Mountains, North Carolina, U.S.A. *Botany* 90: 1263–1275.

Stahle, D.W., M.K. Cleaveland, R.D. Griffin, **M.D. Spond**, F.K. Fye, R.B. Culpepper, and D. Patton. 2006. Decadal drought effects on endangered woodpecker habitat. *EOS-Transactions of The American Geophysical Union* 87: 121-125.

## PROFESSIONAL PRESENTATIONS

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**Mark Spond** and Neva Specht  
ASU and the 21<sup>st</sup> Century Conservation Service Corps. 38<sup>th</sup> Association of National Park Rangers Rendezvous. Black Mountain, North Carolina, 24 October 2015.

Saskia van de Gevel, **Mark Spond**, and Peter Soulé.  
Long-term disturbance histories of endangered mountain forest ecosystems in the eastern United States. Tree Rings in Archaeology, Climatology, and Ecology (TRACE). Potsdam/Eberswalde, Germany, 9–12 May 2012.

Saskia van de Gevel, Justin Hart, **Mark Spond**, Philip White, Megan Sutton, Henri Grissino-Mayer. American chestnut to northern red oak: a forest dynamics study in the Blue Ridge Mountains, North Carolina, U.S.A. *Annual Meeting of the Southeastern Division of the Association of American Geographers, Physical Geography Poster Session*. Savannah, Georgia, 20–22 November 2011.

**Mark Spond**, Saskia van de Gevel, Henri Grissino-Mayer. Relationships between Rocky Mountain Juniper growth and climate at El Malpais National Monument and the Zuni Mountains, New Mexico, U.S.A. *Annual Meeting of the Association of American Geographers, Physical Geography Poster Session*. Seattle, Washington, 12–16 April 2011.

**Mark Spond**, Henri Grissino-Mayer, Sally Horn. Assessing ecological changes with repeat photography at El Malpais National Monument, New Mexico, USA. *Annual Meeting of the Association of American Geographers, Mountain Geography Specialty Group*. Washington D.C., 17 April 2010.

Saskia van de Gevel, Philip White, **Mark Spond**, Henri Grissino-Mayer. Dendroecology and forest succession in the absence of American chestnut (*Castanea dentata*), Bluff Mountain, North Carolina, USA. *Annual Meeting of the Association of American Geographers, Biogeography Specialty Group*. Washington D.C., 15 April 2010.

**Mark Spond**, Henri Grissino-Mayer, Sally Horn, Kevin Russell. Analyzing repeated photographs (1947–1981) by the Eminent Ecologist Alton A. Lindsey at El Malpais National Monument, New Mexico, USA: A 21<sup>st</sup> Century Perspective. *Annual Meeting of the Southeastern Division of the Association of American Geographers, Physical Geography Poster Session*. Knoxville, Tennessee, 23 November 2009.

Saskia van de Gevel, Philip White, **Mark Spond**, Henri Grissino-Mayer. Chestnut graveyard: forest succession in the absence of *Castanea dentata* Bluff Mountain, North Carolina, USA. *Annual Meeting of the Southeastern Division of the Association of American Geographers, Physical Geography Poster Session*. Knoxville, Tennessee, 23 November 2009.

**Mark Spond et al.** From bark to pith: An introduction to collaborative learning at the North American Dendroecological Fieldweek. *Annual Meeting of the Association of American Geographers, Dendrochronology III Session: Dendrochronological Applications*. Las Vegas, Nevada, 24 March 2009.

**Mark Spond**, David Stahle, R. Daniel Griffin, Malcolm Cleaveland. Ancient cypress-tupelo forests at the Dagmar Wildlife Management Area, Arkansas. *Annual Meeting of the Association of American Geographers, Vegetation Dynamics Session*. Boston, Massachusetts, 15 April 2008.

Henri Grissino-Mayer, William Brenton, Peter Clark, Susan Mortenson, **Mark Spond**, Park Williams. Winter temperatures influence annual growth of conifers in the Great Smoky Mountains, Tennessee, USA. *17<sup>th</sup> Annual North American Dendroecological Fieldweek*. Tremont Institute, Great Smoky Mountains N.P., Tennessee, 9 June 2007.

**Mark Spond**

Living relics of Arkansas's ancient cypress-tupelo woodlands at the Dagmar Wildlife Management Area. *University of Arkansas, Geosciences Department Student Research Colloquium*. Fayetteville, Arkansas, 27 April 2007.

**GUEST LECTURES AND INVITED TALKS**

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**Mark Spond**

Appalachian Forest Communities. *Blue Ridge Parkway Corps*, Appalachian State University; Boone, North Carolina. 20 March 2013.

**Mark Spond**

Dendroclimatology and woodland dynamics on the volcanic badlands of western New Mexico, USA. *Geography 5100, Dendroclimatology Seminar*, Appalachian State University; Boone, North Carolina. 17 November 2011.

**Mark Spond**

Climate responses and vegetation dynamics in old-growth mixed conifer woodlands, New Mexico, USA. Northwest New Mexico Visitor Center (USDA & USDI Multiagency Center); Grants, New Mexico. 16 July 2009.

**Mark Spond**

Ancient cypress-tupelo forests at the Dagmar Wildlife Management Area, Arkansas. *Department of Geography and Planning Fall Speaker Series*. Appalachian State University; Boone, North Carolina. 20 November 2008.

**Mark Spond**

Ancient cypress-tupelo forests at the Dagmar Wildlife Management Area, Arkansas. *Department of Biological Sciences Seminar Lecture Series*, Eastern Kentucky University; Richmond, Kentucky. 26 January 2008.

**Mark Spond**

A forest inventory analysis of the logging disturbance gradient at the Dagmar Wildlife Management Area, Arkansas. *Geography 432, Principals of Dendrochronology*, University of Tennessee; Knoxville, Tennessee. 19 October 2007.

**GRANTS, CONTRACTS, COOPERATIVE AGREEMENTS, AND AWARDS**

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**2017-2018 Shenandoah National Park: Education and Interpretation Project (U.S.D.I National Park Service)** Award amount: **\$28,677**

**2017 Great Smoky Mountains National Park: Forest-Fire Rehabilitation Project (U.S.D.I. National Park Service)** Award amount: **\$46,409**

**2017 Cowpens National Battlefield: Black-Powder Education Project (U.S.D.I. National Park Service)** Award amount: **\$37,274**

**2016-2017 Great Smoky Mountains National Park: Phase 1 Archaeological Survey (U.S.D.I. National Park Service)** Award amount: \$36,592

**2016 Blue Ridge Parkway: Wildlife Monitoring and Survey (U.S.D.I. National Park Service)**  
Award amount: \$9,760

**2015 Blue Ridge Parkway: Digital Interpretation Project (U.S.D.I. National Park Service)**  
Award amount: \$7,276

**2015 Blue Ridge Parkway: Flying Squirrel Survey (U.S.D.I. National Park Service)**  
Award amount: \$9,790

**2015-2020 Membership in the 21<sup>st</sup> Century Conservation Service Corps (U.S.D.I. National Park Service).** This competitively awarded cooperative agreement allows task agreements between Appalachian State University and >400 NPS units.

**2013 Blue Ridge Parkway: Cultural Resource Project (U.S.D.I. National Park Service)**  
Award amount: \$22,322

**2013 Blue Ridge Parkway: Historical Restoration Project (U.S.D.I. National Park Service)**  
Award amount: \$8,093

**2009-2011 National Science Foundation Doctoral Dissertation Research Improvement Grant**  
**M.D. Spond** and H.D. Grissino-Mayer. *Dendroclimatology and Woodland Dynamics on the Volcanic Badlands of Western New Mexico, U.S.A.* NSF Grant No. 011038-152. Award amount: \$11,700

**2009-2010 Outstanding Graduate Instructor**  
Department of Geography, University of Tennessee

**2007-2008 Award for Outstanding Professional Achievement**  
Department of Geography, University of Tennessee

**2003 Booker Worthen Award**  
College of Arts and Sciences, University of Arkansas at Little Rock  
"For outstanding scholarship in the field of history." Award amount: \$250

## **PROFESSIONAL SERVICE AND TRAINING**

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**Broadstone Property Planning Committee**  
Appalachian State University. 2013

**Program Committee**  
Annual Meeting of the Southeastern Division of the Association of American Geographers  
Asheville, North Carolina. 18-20 November 2012

**Fieldtrip Leader (Physical Geography of the Graveyard Fields, Blue Ridge Parkway)**  
Annual meeting of the Southeastern Division of the Association of American Geographers  
Asheville, North Carolina. 18 November 2012

***Program Committee***

Annual Meeting of the Southeastern Division of the Association of American Geographers  
Savannah, Georgia. 20–22 November 2011.

***Faculty Awards Committee: Student Representative***

Department of Geography, University of Tennessee. 2010–2011

***McCroskey Award Committee: Student Representative***

Department of Geography, University of Tennessee. 2009–2010

***Faculty Awards Committee: Student Representative***

Department of Geography, University of Tennessee. 2008–2009

***National Science Foundation GK-12 Training Workshop***

University of Tennessee. Knoxville, Tennessee. 7–11 July 2008

***18<sup>th</sup> Annual North American Dendroecological Fieldweek: Introductory Group Leader***

Penticton, British Columbia, Canada. 13–20 June 2008

***17<sup>th</sup> Annual North American Dendroecological Fieldweek***

Tremont Institute, Great Smoky Mountains National Park, Tennessee. 2–9 June 2007

***2006 Eastern Old Growth Conference***

Peabody Hotel, Little Rock, Arkansas, and Dagmar Wildlife Management Area,  
Monroe County, Arkansas. 25–26 March 2006

***Eagle Scout***

Boy Scouts of America. 1996

**MANUSCRIPT REVIEWS**

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*Journal of Applied Geography*

*Journal of the Torrey Botanical Society*

*Physical Geography*

*Focus On Geography*