

March 2018

Maegen Rochner, M.S. Geography

Department of Geography, University of Tennessee Knoxville
mneal20@vols.utk.edu, 865-851-4709

Research Interests: Climate and Environmental Change, with emphasis on mountain environments; Dendrochronology, with emphasis on dendrogeomorphology, dendroclimatology, dendroarchaeology; Paleoclimate; Human-Environment Interactions; Biogeography; Geomorphology.

Education

Current: Pursuing PhD in Geography (Expected 2019): 08/2015-Present, Specialties: (1) Dendrochronology, (2) Climate and Environmental Change, University of Tennessee Knoxville, **Dissertation Title:** Climate Change and Disturbance in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A.

2014 M.S. Geography: 01/2013-12/2014, Concentration in Physical Geography and Dendrochronology, University of Tennessee Knoxville, *4.0 GPA*, **Thesis Title:** Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.

2012: B.A. Geology: 01/2008-05/2012, Indiana University Southeast, *with Highest Distinction 4.0 GPA*, Senior Research Project: *Investigation of Possible Glacial Origin of the Elizabeth Glass Sands, Indiana, U.S.A.*

2012: B.A. English: 01/2008-05/2012, Writing Conc., Indiana University Southeast, *with Highest Distinction 4.0 GPA*, Senior Research Project: *E-Books and Literacy Education: How Past, Present, and Future Trends Might Change the Way Students Learn.*

Teaching Experience (Instructor of Record):

GT Associate, University of Tennessee Knoxville, Sp2018, GEOG 345: People and Environment
Adjunct Instructor, South College Knoxville, Wtr2015-Present, GEO 1010: Introduction to Geography
Adjunct ONLINE Instructor, South College Knoxville, Fa2017, GEO 1010: Introduction to Geography
Lecturer, University of Tennessee Knoxville, Su2017, GEOG 333: Climate Change & Human Response
GT Associate, University of Tennessee Knoxville, Sp2017, GEOG 331: Natural Hazards
GT Associate, University of Tennessee Knoxville, Fa2016, GEOG 345: People and Environment

Teaching Experience: (Teaching Assistant and Lab Instructor):

GT Assistant, University of Tennessee Knoxville, Fa2017, GEOG 131: Weather/Climate/Climate Change.
GT Assistant, University of Tennessee Knoxville, Fa2015-Sp2016, GEOG 432: Dendrochronology, GEOG 333: Climate Change and Human Response, and GEOG 132: Physical Geography II.
GT Assistant, University of Tennessee Knoxville, Sp2013-Fa2014, GEOG 131: Physical Geography I and GEOG 132: Physical Geography II.

Professional Experience

Science Communications Internship, Oak Ridge Associated Universities, Oak Ridge, TN, 01/26/2015-07/03/2015, Science Communications Specialist for ORAU program contracts with federal agencies such as DOE and NASA.

Geology Lab Assistant, Indiana University Southeast, New Albany, IN, Sp2010-Sp2012, Lab and equipment manager, teaching assistant, tutor, field trip supervisor.

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Course Preps

University of Tennessee:

GEOG 333: Climate Change and Human Response

GEOG 331: Natural Hazards

GEOG 345: People and Environment

South College Knoxville:

GEO1010: Introduction to Geography

GEO1010: Introduction to Geography (ONLINE COURSE)

Honors and Awards

2018: Graduate Student Senate Award for Excellence in Research, University of Tennessee

2018: Jimmy and Ileen Cheek Graduate Student Medal of Excellence Nominee, University of Tennessee

2017: AAG Council Award for Best Graduate Student Paper at a Regional Conference

2017: John Fraser Hart Award for Best PhD Student Paper, SEDAAG 2017

2017: Phi Kappa Phi Love of Learning Award

2017: Outstanding Teaching Associate Award, University of Tennessee Geography Department

2017: Publication Award, University of Tennessee Geography Department

2017: Stewart K. McCroskey Memorial Fund Award

2016: Extraordinary Service to the Department, University of Tennessee Geography Department

2016: Publication Award, University of Tennessee Geography Department

2015: Robert G. Long Outstanding Graduate Student Award – Master’s Level, UTK Geography

2015: J. Wallace and Katie Dean Fellowship, University of Tennessee Graduate School

2015: Chancellor’s Fellowship, University of Tennessee Geography Department

2015: Publication Award, University of Tennessee Geography Department

2014: Best Master’s Paper Award, SEDAAG 2014

2014: North American Dendroecological Fieldweek (NADEF) Graduate Fellowship

2014: Science Alliance Scholarship for Masters Research in Physical Geography, UTK Geography

2014: Stewart K. McCroskey Memorial Fund Award

2014: Outstanding Teaching Assistant Award, University of Tennessee Geography Department

2014: Publication Award, University of Tennessee Geography Department

2012: Undergraduate Research Conference Poster Winner, Indiana University Southeast

2012: Highest Distinction in Geology and English Programs, Indiana University Southeast

2012: Outstanding Student Award in Geosciences, Indiana University Southeast

2008-2012: Chancellor’s Honors List for All Semesters, Indiana University Southeast

2011: Ruth Brautigram Academic Scholarship, Indiana University Southeast

2010: Outstanding Student of the Year in Geosciences, Indiana University Southeast

Funded Research

2018: PI, AAG Dissertation Grant, “Climate Change and Disturbance in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A.” - \$1000

2017: PI, UTK Geography Department McCroskey Memorial Fund, “Dendrogeomorphic Analysis of Avalanche Chutes in the Rock Creek Valley, Beartooth Mountains, Montana, U.S.A.” - \$500

2017: PI, American Association of Geographers (AAG) Biogeography Specialty Group (BSG) Student Research Grant, “Critical Physical Geography of Whitebark Pine in the Greater Yellowstone Ecosystem,” - \$1000

2016: PI, Golden Key International Honour Society Research Grant, “Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.” - \$2500

2016: PI, American Association of Geographers (AAG) Mountain Geography Specialty Group (MGSG) Chimborazo Student Research Grant, “Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.” - \$500

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- 2016: PI, American Association of Geographers (AAG) Paleoenvironmental Change Specialty Group (PEC) Student Research Proposal Competition, Ph.D. Level, “Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.,” - \$300
- 2016: PI, UTK Geography Department McCroskey Memorial Fund, “Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.,” - \$500
- 2016: PI, Whitebark Pine Ecosystem Foundation Pine Student Research Grant, “Past, Present and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.,” - \$1000
- 2015: Co-PI (awarded to advisor, PI, Dr. Henri Grissino-Mayer) UTK Professional Development Award, “Tree-Ring Evidence of Undocumented Little Ice Age Glacial Advance in the Beartooth Mountains of Northern Wyoming,” - \$3805

Publications

- Rochner, M.L.**, and H.D. Grissino-Mayer. (In Review). Tree-Ring Dating of Timbers from the Gonzalez-Alvarez and Tovar Houses, St. Augustine, Florida, USA. Submitted to: *El Escribano*.
- Rochner, M.L.**, van de Gevel, S., Spond, M.D., and H.D. Grissino-Mayer. 2017. Using Dendrochronology to Investigate the Historical and Educational Value of Two Log Structures, Bear Paw State Natural Area, North Carolina, USA. *Tree-Ring Research*, 73(2), 136–148. <https://doi.org/10.3959/1536-1098-73.2.136>
- Rochner, M.L.**, Kelley, H.W., Wilson, C.S., Bennett, T., and H.D. Grissino-Mayer. 2017. Dendrochronological dating of the Warner House and Barn (20LV334), Livingston County, Michigan, USA. *Dendrochronologia*, 43, 4–11. <http://dx.doi.org/10.1016/j.dendro.2016.11.002>
- Grissino-Mayer, H.D., Schneider E.A., **Rochner, M.L.**, Stachowiak, L.A., and M.E. Dennison. 2017. Tree-Ring Dating of Timbers from Sabine Hill, Home of General Nathaniel Taylor, Elizabethton, Tennessee, USA. *Dendrochronologia*, 43, 33–40. <https://doi.org/10.1016/j.dendro.2016.09.001>
- Rochner, M.L.** and H.D. Grissino-Mayer. 2016. Testing the Feasibility of Dendrogeomorphic Studies in the Southeastern U.S. on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A. *The Geographical Bulletin*, 57(1), 1–13.
- Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, Collins, S.A., and H.D. Grissino-Mayer. 2016. Dendrochronological dating of historic log cabins on the Belle Meade Plantation, Davidson County, Tennessee, USA. *Vegetation History and Archaeobotany*, 25, 105–115. doi:10.1007/s00334-015-0535-x
- Rochner, M.L.** 2015. The Dos and Dont's of Attending an International Conference: Insights from a Grad Student at the Association of American Geographers (AAG) Annual Meeting 2015. *The Biogeographer*, 15(1), 12–15. (Newsletter of the Biogeography Specialty Group of the Association of American Geographers (AAG)). <http://geography.utk.edu/wp-content/uploads/2015/05/MRochner-AAG-Report.pdf>
- Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, Collins, S.A., Swiney, C.P., Grissino-Mayer, H.D., and T.G. McKenzie. 2014. Dendrochronological Dating of the Historic McKenzie Home, Meigs, County, Tennessee, U.S.A. *Tree-Ring Research*, 70(1), 31–39. <https://doi.org/10.3959/1536-1098-70.1.31>

Professional Memberships

- 2011: Alpha Chi Honor Society
- 2012: Pinnacle Honor Society
- 2013: Association of American Geographers (AAG)
- 2013: Southeastern Division of the Association of American Geographers (SEDAAG)
- 2014: Gamma Theta Upsilon (GTU) Geography Honor Society, University of Tennessee
- 2015: The Geological Society of America (GSA)

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2015: Tree Ring Society

2015: Whitebark Pine Ecosystem Foundation

2015: Golden Key International Honour Society

2016: Phi Kappa Phi Honor Society

Presentations at Professional Conferences

Rochner, M.L. (2018) Climate Change in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A. Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana. Presentation same as that given at SEDAAG 2017, as part of the AAG Council Award for Best Graduate Student Paper at a Regional Conference.

Rochner, M.L. (2017) Climate Change in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A. Annual Meeting, Southeastern Division of the American Association of Geographers, 19–21 November 2017, Starkville, Mississippi. **Winner: John Fraser Hart Award for Best PhD Student Paper**

Grissino-Mayer, H.D., and **M.L. Rochner**. (2017) Tree-Ring Dating of Timbers from the Gonzalez-Alvarez and Tovar Houses, St. Augustine, Florida, USA. Annual Meeting, Southeastern Division of the American Association of Geographers, 19–21 November 2017, Starkville, Mississippi.

Rochner, M.L. (2017) Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A. Whitebark Pine Ecosystem Foundation Science and Management Conference, 20–23 September 2017, Jasper, Alberta, Canada.

Rochner, M.L., and H.D. Grissino-Mayer. (2017) Investigation of Climate-Growth Relationships in High-Elevation Whitebark Pine, Beartooth Mountains, Wyoming, U.S.A. Annual Meeting, American Association of Geographers (AAG), 5-9 April 2017, Boston, MA.

Rochner, M.L., Kelley, H., Wilson, C., Bennett, T., and H.D. Grissino-Mayer. (2016) Dendrochronological Dating of the Warner House and Barn (20LV334), Livingston County, Michigan, U.S.A. Annual Meeting, Southeastern Division of the American Association of Geographers, 20–22 November 2016, Columbia, South Carolina.

Grissino-Mayer, H.D. and **M.L. Rochner**. (2016) First Dendrochronological Dating of Dugout Canoes in North America. Annual Meeting, Southeastern Division of the American Association of Geographers, 20–22 November 2016, Columbia, South Carolina.

Rochner, M.L. (2016) Dendrochronological Analysis of Holocene Climate Change in a High-Elevation Whitebark Pine Ecosystem. University of Tennessee-Knoxville (UTK) Annual Women in STEM Symposium, 15 April 2016, Knoxville, Tennessee.

Rochner, M.L., and H.D. Grissino-Mayer. (2016) Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem. Annual Meeting, Association of American Geographers (AAG), 29 March-2 April 2016, San Francisco, CA.

Rochner, M.L., and H.D. Grissino-Mayer. (2016) Dendrogeomorphic Analysis of a Debris Slide on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A. Great Smoky Mountains National Park Science Colloquium, 17 March 2016, Gatlinburg, Tennessee.

Rochner, M.L., and H.D. Grissino-Mayer. (2016) Dendrochronological Evidence of Holocene Climate Change in a High-Elevation Whitebark Pine Ecosystem. University of Tennessee-Knoxville (UTK) GeoSym Geography Symposium, 5–6 February, 2016, Knoxville, Tennessee.

Rochner, M.L., Grissino-Mayer, H.D., and E.R. Cook. (2015) The Historical Dendroarchaeology of the Thomas Pate House, Yorktown, Virginia, USA and Implications of Possible Timber Replacement. Annual Meeting, Southeastern Division of the Association of American Geographers, 22–24 November 2015, Pensacola, Florida.

Grissino-Mayer, H.D., Schneider, E.A., **Rochner, M.L.**, Stachowiak, L.A., and Dennison, M.E. (2015) The Historical Dendroarchaeology of General Nathaniel Taylor's Sabine Hill, Elizabethton, Tennessee. Annual Meeting, Southeastern Division of the Association of American Geographers, 22–24 November 2015, Pensacola, Florida.

- Collins, S.A., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, and H.D. Grissino-Mayer. (2015) Dendrochronological Dating of Historic Log Cabins on the Belle Meade Plantation, Davidson County, Tennessee, USA. Annual Meeting, Southeastern Division of the Association of American Geographers, 22–24 November 2015, Pensacola, Florida
- Rochner, M.L.**, Axelson, J., Coulthard, B., Hart, M., Dickenson, J., Baker, K., Wolken, J., and N. Beane. “Climate-Growth Relationships and Stand Dynamics of High Elevation Whitebark Pine in Shoshone National Forest, Wyoming.” Annual Meeting, Association of American Geographers, April 2015, Chicago, IL.
- Rochner, M.L.** and Grissino-Mayer, H.D. “Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, GSMNP, TN, U.S.A.” H.H. Mills Symposium. Annual Meeting, Geological Society of America Southeastern Section, March 2015, Chattanooga, TN.
- Rochner, M.L.** and Grissino-Mayer, H.D. “Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.” Annual Meeting, Southeastern Division of the Association of American Geographers, November 2014, Athens, GA. **Winner, Honors Paper Competition at Masters Level.**
- Rochner, M.L.** and Grissino-Mayer, H.D. “Reconstruction of Debris Slides Using Dendrogeomorphic Methods, Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.” Annual Meeting, Association of American Geographers, April 2014, Tampa, FL.
- Rochner, M.L.** and Grissino-Mayer, H.D. “Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, GSMNP, TN, U.S.A.” University of Tennessee Geography Research Symposium, February 2014, Knoxville, TN.
- Rochner, M.L.** and Grissino-Mayer, H.D. “Dendrogeomorphological Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.” Annual Meeting, Southeastern Division of the Association of American Geographers, November 2013, Roanoke, VA.
- Collins, S.A., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, Swiney, C.P., and Grissino-Mayer, H.D. “Restoration Ecology and Tree-Ring Dating.” Annual Meeting, Southeastern Division of the Association of American Geographers, November 2013, Roanoke, VA.
- Stachowiak, L.A., Schneider, E.A. **Rochner, M.L.**, Collins, S.A., and Grissino-Mayer, H.D. “Dendrochronological dating of the Harding Cabin at the Belle Meade Plantation, Davidson County, Tennessee, USA.” Annual Meeting, Southeastern Division of the Association of American Geographers, November 2013, Roanoke, VA.
- Grissino-Mayer, H.D., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, Swiney, C.P. and McKenzie, T.G. “Dendrochronological Dating of the Historic McKenzie Home, Meigs, County, Tennessee, U.S.A.” Annual Meeting, Southeastern Division of the Association of American Geographers, November 2013, Roanoke, VA.
- Maegen L. Neal (Rochner)** and G. Mason. “Investigation of Possible Glacial Origin of the Elizabeth Glass Sands.” IU Southeast Student Conference and Showcase, April 2012, New Albany, IN.
- Maegen L. Neal (Rochner)**. “E-books and Literacy Education: How Past, Present, and Future Trends Might Change the Way Students Learn.” IU Southeast Student Conference and Showcase, April 2012, New Albany, IN.

Other Activities at Professional Conferences

- Gentry, C., and **Rochner, M.L. (Chair and Co-Organizer)**. “Dendrochronology III: Dendropyrochronology.” Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana.
- Gill, N. (Organizer and Chair), Ziegler, S., Wentz, E., **Rochner, M.L. (Panelist)**, Commerford, J., Larson, E., and Binford, M. “Preparing Competitive Research Grants in Biogeography.” Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana.
- Lave, R. (Organizer and Chair), Mansfield, B., Romero, A., **Rochner, M.L. (Discussant)**, Jahi Chappell, M., and Smithwick, E. “Critical Physical Geography 1: Author Meets Critics Handbook of Critical

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Physical Geography.” Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana.

Rochner, M.L. (Chair and Co-Organizer) and Grissino-Mayer, H.D. Special Session Organizers: “Applications in Dendrochronology.” Annual Meeting, Southeastern Division of the American Association of Geographers, 19–21 November 2017, Starkville, Mississippi.

Rochner, M.L. (Chair and Co-Organizer) and Grissino-Mayer, H.D. Special Session Organizers: “Applications in Dendrochronology.” Annual Meeting, Southeastern Division of the American Association of Geographers, 20–22 November 2016, Columbia, South Carolina.

Rochner, M.L. (Chair and Organizer) and Grissino-Mayer, H.D. Special Session Organizers: “Bridging Physical and Cultural Geography through Dendroarchaeology.” Annual Meeting, Southeastern Division of the Association of American Geographers, 22–24 November 2015, Pensacola, Florida.

Gentry, C.M., Speer, J.H., and Grissino-Mayer, H.D. (Organizers), **Rochner, M.L. (Chair)**. Special Session: “Dendrochronology II: Dendroecology.” Annual Meeting, Association of American Geographers, April 2015, Chicago, IL.

Gentry, C.M., **Rochner, M.L.**, and Harley, G. (Chair). Special Session Organizers: “Dendrochronology V: Dendrochronological Applications II.” Annual Meeting, Association of American Geographers, April 2015, Chicago, IL.

Invited Lectures and Outreach

Guest Lectures:

Volcanoes, Spring 2018, GEOG 331 Natural Hazards, University of Tennessee

People and Fire, Fire and People, Fall 2017, GEOG 345 People and Environment, University of Tennessee

Climate Change and Disturbance, Fall 2017, GEOG 435 Biogeography, University of Tennessee

Tree Rings and Disturbance, Fall 2017, GEOG 435 Biogeography, University of Tennessee

Weather Forecasting, Fall 2017, GEOG 131 Weather, Climate, Climate Change, University of Tennessee

Lab Methods in Dendrochronology, Fall 2017, GEOG 432 Environmental History from Tree Rings, University of Tennessee

Aeolian Processes, Spring 2016, GEOG 132 Physical Geography II, University of Tennessee

Dendroarchaeology, Fall 2015, GEOG 432 Dendrochronology, University of Tennessee

The History of Dendrochronology, Fall 2015, GEOG 432 Dendrochronology, University of Tennessee

Water, Its Properties and Importance in our Atmosphere, Fall 2014, GEOG 131 Physical Geography I, University of Tennessee

Atmospheric and Oceanic Oscillations and Climate, Fall 2014, GEOG 131 Physical Geography I, University of Tennessee

Dendrochronology and Dendrogeomorphic Applications in Great Smoky Mountains National Park, Spring 2014, GEOG 132 Physical Geography II, University of Tennessee

Glaciers and Glacial Geomorphology, Spring 2013, GEOG 132 Physical Geography II, University of Tennessee

Outreach/Service:

Group Leader: Annual North American Dendroecological Fieldweek (NADEF)

2018: 28th NADEF, A.L. Mickelson Field Station, Cody, WY, 07/21/18-07/30/2018. Co-Group Leader with Dr. Jim Speer and Dr. Margot Kaye. Research project: Ecotone Shifts from Climate Change.

2017: 27th NADEF, A.L. Mickelson Field Station, Cody, WY, 07/22/17-07/31/17. Co-Group Leader with Dr. Henri Grissino-Mayer of the Dendroecology Group. Research project: Establishment Patterns on Subalpine Tree Islands: Testing for Whitebark Pine Facilitation.

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2016: 26th NADEF, Center for Sustainable Forestry, Pack Forest, WA, 07/24/16-08/01/16. Co-Group Leader with Dr. Christine Biermann of the Introductory Group. Research project: Develop an updated Mountain Hemlock chronology for Mt. Rainier National Park, Washington.

Tree Ring Science Demonstration, Celebration of Science, Vine Middle Magnet School, 12/12/17, Gave a demonstration of Geo Tech Club Tree-Ring Activity (see below) and tree-ring science to 5th and 6th grade students and parents at Vine Middle School.

Dendrochronology Workshop, Geo Tech Club, Vine Middle Magnet School After-School Program, Mondays, 10/23 and 11/6, 2017. Introduced 5th and 6th grade students at Vine Middle School to tree-ring science through hands-on activities and presentations, including the development of an original research project to evaluate the influence of landscaping on the growth rates of trees. Assisted students in sampling and evaluating trees on the Vine Middle School Campus, developing hypotheses, and testing these using simple methods in tree-ring science.

Geography Awareness Event at the MUSE of Knoxville. Assisted with Geography Awareness booth at the MUSE Knoxville's "Saturday Science Connections" (11/04/2017) and "Saturday Science – Around the World" (11/14/2015) events and gave instruction on dendrochronology (counting tree rings, looking at fire scars, bug damage) for children ages 3–9.

Volunteer Judge: College of Arts and Sciences Social Sciences, Exhibition of Undergraduate Research and Creative Achievement (EURcA), The University of Tennessee, Knoxville. 04/19/2017.

Dendroarchaeology Workshop, Blount Scholars Program, Blount Mansion Knoxville. Assisted advisor Dr. Henri Grissino-Mayer with dendroarchaeology workshop for Knoxville-area high school students and co-presented a dendrochronology presentation. **04/18/2017** - Instructed and assisted students with sampling of timbers from Craighead-Jackson House. **05/04/2016** – Instructed and assisted students with sampling of timbers from the cellar of Blount Mansion for later use in a Laboratory of Tree-Ring Science project to determine the construction date of the Blount Mansion.

Dendroarchaeology Workshop at Bear Paw State Park, Boone, North Carolina. 07/27-7/30/2015. Partnership with Appalachian State University. Assisted Dr. Grissino-Mayer, H.D. of the University of Tennessee and Dr. Saskia van de Gevel and Dr. Mark Spond of Appalachian State University with undergraduate workshop in cabin dating. Instructed students on the techniques and methods used in dendroarchaeology.

Service

Physical Geography Representative, 2018 Geography Symposium (GeoSym) Organizing Committee, University of Tennessee, Fa2016-Present.

Graduate Student Representative to Department Meetings, University of Tennessee, Fa2017-Sp2018.
President, University of Tennessee GeogGrads, *Previously the Graduate Association of Research Geographers (GARG),* University of Tennessee, Su2016-Sp2017.

Student Representative, Geography Department Space Committee, University of Tennessee, Fa2016-Present.

Student Representative, Geography Department Special Events Committee, University of Tennessee, Fa2016-Sp2017.

Vice President, Graduate Association of Research Geographers (GARG), University of Tennessee, Fa2015-Sp2016.

Member, Tennessee Women in Geography (TWIG), University of Tennessee, Fa2015-Present.

Colloquium Coordinator, University of Tennessee, Sp2014-Fa2014.

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Research and Projects (not published)

Dendroarchaeology-Historic Structures:

“Old Cabin” at Lincoln’s Boyhood Home at Knob Creek, Hodgenville, Kentucky, USA

Blount Mansion, Knoxville, Tennessee, USA

Florida State University Dormitory, Collaboration with Grant Harley of the University of Idaho

Cole Digges/Thomas Pate House, Yorktown, Virginia, USA

Samuel Harned Cabin, Parrottsville, Tennessee, USA

Dendroarchaeology-Musical Instruments

Double Bass for Dealer in Cincinnati, Ohio, USA

Two European Violins for Dealer in Denver, Colorado, USA

Dendroarchaeology-Other

Dug-Out Canoes, Scotland County Historical Museum in Laurinburg, North Carolina, USA

Dug-Out Canoe, Lake Pierce, Florida, USA

Dendrochronology-Dendrogeomorphology

Avalanche Chute, Beartooth Plateau, Red Lodge, Montana, USA

Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, USA

Dendrochronology-Dendroclimatology

Debris Slide Disturbance and Temporal Stability of Climate-Growth Relationships in Red Spruce, Mt. Le Conte, Great Smoky Mountains National Park, TN, USA

Dendrochronology-Other

NADEF 2014: Dendroecology of Whitebark Pine, Beartooth Mountains, Wyoming, USA

Historical Landscape Reconstruction Based on Dendrochronological Dating of Trees at Cumberland Homesteads Museum, Crossville, Tennessee, USA.

Field Assistant: Climate-Growth Relationships Across Elevation and Species, Great Smoky Mountains National Park, Tennessee, U.S.A. Dorothy Rosene, UT M.S. Student

Field Assistant: Applied GIS and Fire Behavior in a Pine Rockland Ecosystem, Big Pine Key, Florida, U.S.A. Lauren Stachowiak, UT PhD Student