

August 2017

## **Maegen Rochner**

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University of Tennessee Knoxville  
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### **Education**

#### **Current: Pursuing PhD in Geography (Expected 2019):**

Specialties: (1) Dendrochronology, (2) Climate and Environmental Change  
University of Tennessee Knoxville

**Dissertation Title:** Past, Present, and Future Climate Change in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A.

#### **2014 M.S. Geography:** 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:** 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:** 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**

**Graduate Teaching Assistant**, University of Tennessee Knoxville, Fall 2017, Teach introductory labs in Physical Geography, GEOG131, and serve as teaching assistant to 131 lecture professor.

**Adjunct Geography Instructor**, South College Knoxville, Winter 2015-Present, Teach Geography 1010: Introduction to Geography lectures, design course, write syllabus, design lectures, organize field trips and guest lectures.

**Adjunct Geography ONLINE Instructor**, South College Knoxville, Fall 2017, Manage online version of Geography 1010: Introduction to Geography, design course, syllabus, webinar lectures.

**Lecturer**, University of Tennessee Knoxville, Summer 2017, Taught GEOG 333: Climate Change and Human Response lectures, designed course, syllabus, lectures.

**Graduate Teaching Associate**, University of Tennessee Knoxville, Spring 2017, Taught GEOG 331: Natural Hazards lectures, designed course, syllabus, lectures, organized guest lectures.

**Graduate Teaching Associate**, University of Tennessee, Knoxville, Fall 2016, Taught GEOG 345: People and Environment lectures, designed course, syllabus, lectures, organized guest lectures.

**Graduate Teaching Assistant**, University of Tennessee Knoxville, Fall 2015-Spring 2016, Taught introductory labs in Dendrochronology, GEOG 432, and served as a teaching assistant for GEOG 432: Dendrochronology and GEOG 333: Climate Change and Human Response.

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**Graduate Teaching Assistant**, University of Tennessee Knoxville, Sp2013-Fall2014, Taught introductory labs in Physical Geography, GEOG131 and 132, and served as a teaching assistant for GEOG 131 and 132 lecture professors.

### **Professional Experience**

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

**Geology Lab Assistant**, Indiana University Southeast, Sp2010-Sp2012, Organized rock specimens; managed rock saw, polisher, and SEM work; prepped show samples; assisted professor Dr. Glenn Mason with courses, activities and student work; supervised field trips; served as geology tutor.

**Support Service Aide**, Southern Indiana Rehab Hospital, February 2008-December 2012  
Managed purchasing and receiving, patient accounts, linens, and medical equipment referrals, and occasionally served as receptionist and cook for the hospital.

### **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**

2017: Phi Kappa Phi Love of Learning Award - \$500 for travel to WPEF Conference  
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 - \$500 for travel to WPEF Conference  
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 - \$800  
2015: J. Wallace and Katie Dean Fellowship, University of Tennessee Graduate School - \$15,000  
2015: Chancellor’s Fellowship, University of Tennessee Geography Dept.-\$10,000/year for up to 4yr  
2015: Publication Award, University of Tennessee Geography Department  
2014: Winner: Honors Paper Competition for Master’s Thesis: SEDAAG 2014 - \$500  
2014: North American Dendroecological Fieldweek (NADEF) Graduate Fellowship - \$3,000  
2014: Science Alliance Fellowship for Masters Research in Physical Geography - \$3,000  
2014: Stewart K. McCroskey Memorial Fund Award - \$300 for travel to NADEF  
2014: Outstanding Teaching Assistant Award, University of Tennessee Geography Department  
2014: Publication Award, University of Tennessee Geography Department  
2014: Gamma Theta Upsilon (GTU) Geography Honor Society Member  
2012: Undergraduate Research Conference Poster Winner, Indiana University Southeast-\$50  
2012: Highest Distinction in Geology and English Programs, Indiana University Southeast  
2012: Outstanding Student Award in Geosciences, Indiana University Southeast

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2012: Pinnacle Honor Society  
2008-2012: Chancellor's Honors List for All Semesters, Indiana University Southeast  
2011: Ruth Brautigam Academic Scholarship, Indiana University Southeast-\$2,000  
2011: Alpha Chi Honor Society  
2011: Third Place Creative Nonfiction, IU Southeast Writing Contest-\$10  
2010: Outstanding Student of the Year in Geosciences, Indiana University Southeast  
2008: First and Second Place Creative Nonfiction, IU Southeast Writing Contest-\$75  
2005: Academic Distinction Full Tuition Scholarship at Robert Morris College

### **Funded Research**

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  
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 (all funds exhausted in July 2015 for preliminary field expedition in July 2015)

### **Publications**

Grissino-Mayer, H.D. and **M.L. Rochner**. (In Review) The Historical Dendroarchaeology of the Thomas Pate/Cole Digges House, Yorktown, Virginia, USA: Implications of Possible Timber Replacement. Submitted to: *The Journal of Cultural Heritage*.

**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>

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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](https://doi.org/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

2013: Southeastern Division of the Association of American Geographers

2013: Initiative for Quaternary Paleoclimate Research, University of Tennessee

2014: Gamma Theta Upsilon (GTU) Geography Honor Society, University of Tennessee

2015: The Geological Society of America (GSA)

2015: Earth Science Women's Network

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.**, 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.

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**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.

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**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**

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

### **Guest Lectures and Outreach**

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**Guest Lectures:**

*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:**

**27<sup>th</sup> Annual North American Dendroecological Fieldweek (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. Taught basic field and lab methods in Dendrochronology. Research project: Establishment Patterns on Subalpine Tree Islands: Testing for Whitebark Pine Facilitation.

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

**Dendroarchaeology Workshop, Blount Scholars Program, Blount Mansion Knoxville.** 04/18/2017. Assisted advisor Dr. Henri Grissino-Mayer with dendroarchaeology workshop for Knoxville-area high school students and co-presented a dendrochronology presentation. Instructed and assisted students with sampling of timbers from Blount Mansion and Craighead-Jackson House.

**Group Leader: 26<sup>th</sup> Annual North American Dendroecological Fieldweek (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. Taught basic field and lab methods in Dendrochronology. Research project: Develop an updated Mountain Hemlock chronology for Mt. Rainier National Park, Washington.

**Dendroarchaeology Workshop, Blount Scholars Program, Blount Mansion Knoxville.** 05/04/2016. Assisted advisor Dr. Henri Grissino-Mayer with dendroarchaeology workshop for 30 Knoxville-area high school students. Co-Presenter of dendrochronology presentation. Gave instruction and assisted 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.

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

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**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. Will take lead on processing and analyzing samples taken and will produce a report for publication with Dr.'s Grissino-Mayer, Van de Gevel, and Spond.

### **Service**

**Physical Geography Representative**, 2018 Geography Symposium (GeoSym) Organizing Committee, University of Tennessee, Fall 2016-Present

**Graduate Student Representative to Department Meetings**, University of Tennessee, Fall 2017-Spring 2018

**President**, University of Tennessee GeogGrads, *Previously the Graduate Association of Research Geographers (GARG)*, University of Tennessee, Summer 2016-Spring 2017

**Student Representative**, Geography Department Space Committee, University of Tennessee, Fall 2016-Present

**Student Representative**, Geography Department Special Events Committee, University of Tennessee, Fall 2016-Present

**Vice President**, Graduate Association of Research Geographers (GARG), University of Tennessee, Fall 2015-Spring 2016

**Member**, Tennessee Women in Geography (TWIG), University of Tennessee, Fall 2015-Present

**Member**, Undergraduate Retention Committee, South College Knoxville, Fall 2015-Present

**Colloquium Coordinator**, University of Tennessee, Spring 2014-Fall 2014.

### **Research and Projects**

Dendrogeomorphic Analysis of an Avalanche Chute, Beartooth Plateau, Red Lodge, Montana. In progress.

Dendrochronological Dating of a Double Bass for Dealer in Cincinnati, Ohio. In progress.

Dendrochronological Dating of the Tovar and Gonzalez-Alvarez Homes, St. Augustine Historical Society, St. Augustine, FL. Manuscript in progress for *El Escribano*.

Dendrochronological Dating of the Blount Mansion, Knoxville, TN. Report submitted.

Dendrochronological Dating of Florida State University Dormitory and Development of Pine Chronology, Collaboration with Grant Harley of the University of Southern Mississippi. In progress.

Dendrochronological Dating of Two European Violins for Dealer in Denver, Colorado. Report submitted.



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Dendrochronological Dating of Two Historic Cabins at Bear Paw State Natural Area, North Carolina, U.S.A. Rochner, M.L., van de Gevel, S., Grissino-Mayer, H.D. and Mark D. Spond. Manuscript accepted: *Tree-Ring Research*.

Dendrochronological Dating of the Warner Site Farmstead, Brighton, Michigan, U.S.A. Rochner, M.L. and H.D. Grissino-Mayer. Manuscript published in *Dendrochronologia*.

Dendrochronological Dating of Two Dug-Out Canoes and One Colonial Canoe, Scotland County Historical Museum in Laurinburg, North Carolina. Report submitted. Manuscript in progress.

Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A. Rochner, M.L. and H.D. Grissino-Mayer. Manuscript in progress for *Natural Hazards*.

Analyzing the Impact of Debris Slide Disturbance on the Temporal Stability of Climate-Growth Relationships in Red Spruce, Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A. Rochner, M.L. and H.D. Grissino-Mayer. Manuscript in progress for *Tree-Ring Research*.

Feasibility of the Application of Dendrogeomorphic Methods in the American Southeast, Great Smoky Mountains National Park, TN, U.S.A. Rochner, M.L. and H.D. Grissino-Mayer. Manuscript published in *The Geographical Bulletin*.

Dendrochronological Dating of the Cole Digges/Thomas Pate House, Yorktown, Virginia, U.S.A. Rochner, M.L., Grissino-Mayer, H.D. and E.R. Cook. Manuscript submitted to the *Journal of Cultural Heritage*.

Dendrochronological Dating of the Year of Construction for the Samuel Harned Cabin, Parrottsville, Tennessee, U.S.A. Schneider, L.A., Rochner, M.L. and H.D. Grissino-Mayer. Report submitted.

Dendroecology of Whitebark Pine, Beartooth Mountains, Wyoming, U.S.A. North American Dendroecological Fieldweek 2014. Presented at AAG 2015.

Dendrochronological Dating of the Harding Cabin on the Belle Meade Plantation, Davidson County, Tennessee, USA. Stachowiak, L.A., Schneider E.A., Rochner, M.L., Collins, S.A. and H.D. Grissino-Mayer. Manuscript published in *Vegetation History and Archeobotany*.

Dendrochronological Dating of the Sabine Hill House, Johnson City, Tennessee, U.S.A. Schneider, E.A., Stachowiak, L.A., Rochner, M.L., and H.D. Grissino-Mayer. Manuscript published in *Dendrochronologia*.

Historical Landscape Reconstruction Based on Dendrochronological Dating of Trees at Cumberland Homesteads Museum, Crossville, Tennessee, USA. Collins, S.A., Rochner, M.L., Stachowiak, L.A., Schneider, E.A., and H.D. Grissino-Mayer. Report in progress.

Dendrochronological Dating of a Dug-Out Canoe, Lake Pierce, Florida.

Dendrochronological Dating of the Historic McKenzie Home, Meigs County, Tennessee, U.S.A. Stachowiak, L.A., Schneider, E.A., Rochner, M.L., Collins, S.A., Swiney, C.P., Grissino-Mayer, H.D., and T.G. McKenzie. Manuscript published in *Tree-Ring Research*.

### **Additional Fieldwork Experience**

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**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

**Course Work**

GEOG599: Geographic Concepts/Thought

GEOG634: Seminar in Climatology

GEOG515: Advanced Statistics in Geography

FWF 535: (Forestry, Wildlife, and Fisheries) Environmental Impacts to Natural Ecosystems

GEOG 633: Seminar in Physical Geography: Environmental Challenges in National Parks

GEOL 450: Geomorphology

GEOG 534: Topics in Climatology: Boundary Layer Climates

GEOG 581: Grant Proposal Writing in Geography

GEOG 632: Seminar in Dendrochronology

GEOG 633: Seminar in Physical Geography: Water Resources

GEOG 535: Topics in Dendrochronology

GEOL 505: Appalachian Tectonics

GEOG 434: Climatology

GEOG 415: Quantitative Statistics

GEOL 221: Introductory Mineralogy

GEOL 222: Introductory Petrology

GEOL 334: Principles of Sedimentary Stratigraphy

GEOL 415: Geomorphology

GEOL 451: Principles of Hydrogeology

GEOG 415: Geographic Information Science

GEOL 300: Environmental and Urban Geology

GEOL 420: Regional Field Geology in Alaska, South Dakota/Wyoming, and Arizona/Utah

GEOG 107: Physical Systems of the Environment

Chemistry, Calculus, and Biology

Multiple English Writing and Literature Courses