

Maegen Rochner

Department of Geography and Geosciences
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EDUCATION

- Ph.D.** **Geography**, The University of Tennessee, May 2019
Special Fields: (1) *Climate and Environmental Change*, (2) *Dendrochronology*
Dissertation: *Tree-Ring Evidence of Climate and Environmental Change in the Beartooth Mountains, Wyoming, U.S.A.*
- M.S.** **Geography**, The University of Tennessee, December 2014
Thesis: *Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A.*
- B.A.** **Geology**, Indiana University Southeast, May 2012
With Highest Distinction
Senior Research Project: *Investigation of Possible Glacial Origin of the Elizabeth Glass Sands, Indiana, U.S.A.*
- B.A.** **English**, Writing Concentration, Indiana University Southeast, May 2012
With Highest Distinction
Senior Research Project: *E-Books and Literacy Education: How Past, Present, And Future Trends Might Change the Way Students Learn*

TEACHING APPOINTMENTS

- Fall 19-
Present** **Assistant Professor**
Department of Geography and Geosciences, University of Louisville
- 2015-19** **Adjunct Instructor**
General Studies, Geography, South College Knoxville
GEO 1010: Introduction to Geography (Online and In-Class Versions)
- 2013-19** **Graduate Teaching Assistant and Associate/Instructor of Record**
Department of Geography, University of Tennessee-Knoxville
Course Preps:
GEOG 132: Landscapes and Environmental Change
GEOG 345: People and Environment
GEOG 333: Climate Change & Human Response
GEOG 331: Natural Hazards
Teaching Assistant and Lab Instructor:
GEOG 131: Weather/Climate/Climate Change
GEOG 432: Dendrochronology

RELEVANT PROFESSIONAL EXPERIENCE

- 2015** Paid Internship, Oak Ridge Associated Universities (ORAU)
Science Communications Specialist
- 2010–12** Laboratory Assistant, Indiana University Southeast
Geology Lab Assistant

PUBLICATIONS

Peer-Reviewed

†indicates undergraduate co-author

*indicates non-University of Tennessee collaborator (at time of publication)

- 2019** *Vestal, J.P.R., *Torreano, S.J., **Rochner, M.L.**, *Stockton, L.J. 2019. Dendrochronological Dating of Rebel’s Rest (40FR512), Franklin County, TN, USA. *Dendrochronologia*, 56, <https://doi.org/10.1016/j.dendro.2019.05.007>
- 2019** **Rochner, M.L.**, *Merrill, Z.A, and Smith, L.G. 2019. Dendrochronological Investigation of the Knob Creek Cabin at President Abraham Lincoln’s Boyhood Home, Hodgenville, Kentucky, USA. *Journal of Archaeological Science: Reports*, 25, 400–408. <https://doi.org/10.1016/j.jasrep.2019.04.018>
- 2017** **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>
- 2017** **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>
- 2017** 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>
- 2016** **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.
- 2016** 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

- 2014** 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>

OTHER PUBLICATIONS AND REPORTS

- 2019** **Rochner, M.L.**, Mansfield, B., Chappell, M.J., Smithwick, E., Romero, A., Lane, S.N., Lave, R., and Biermann, C. 2019. The Palgrave Handbook of Critical Physical Geography, The AAG Review of Books, 7:3. <https://doi.org/10.1080/2325548X.2019.1615327>
- 2018** **Rochner, M.L.**, Merrill, Z.A., and L.G. Smith. Dendrochronological Investigation of the Knob Creek Cabin at President Abraham Lincoln’s Boyhood Home, Hodgenville, Kentucky, USA. Final Report, Abraham Lincoln Birthplace National Historical Park, Hodgenville, Kentucky. 27 pp.
- 2018** **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. Final Report, St. Augustine Historical Society, St. Augustine, Florida. 39 pp. Manuscript Submitted to: *El Escribano: The St. Augustine Journal of History*.
- 2018** Grissino-Mayer, H.D., and **M.L. Rochner**. 2018. Absolute Dating of Tree Rings from Two Dugout Canoes, Laurinburg, North Carolina, U.S.A. Final Report, Museum of Scotland County, Laurinburg, North Carolina. 29 pp.
- 2017** Grissino-Mayer, H.D., and **M.L. Rochner**. 2017. Dendrochronological Dating to Determine the Years of Construction of the Blount Mansion (40KN52), Knoxville, Tennessee, USA. Final Report, Blount Mansion Historical Association, Knoxville, Tennessee. 18 pp.
- 2017** **Rochner, M.L.** 2017. Introduction to Google Earth. *Geography 132 Geography of the Natural Environment II Laboratory Manual*. Department of Geography, University of Tennessee Knoxville.
- 2015** **Rochner, M.L.** 2015. The Dos and Don’ts 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)).

- 2014** Grissino-Mayer, H.D., **Rochner, M.L.**, and E.R. Cook. 2014. The Historical Dendroarchaeology of the Thomas Pate House, Yorktown, Virginia, USA and Implications of Possible Timber Replacement. Final Report, Colonial National Historical Park, Yorktown, Virginia. 56 pp.
- 2014** **Rochner, M.L.** 2014. Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, U.S.A. Master's Thesis, University of Tennessee. https://trace.tennessee.edu/utk_gradthes/3177

FUNDED RESEARCH
External Funding Sources

- 2018** "Dendrogeomorphic Analysis of Avalanche Chutes in the Rock Creek Valley, Beartooth Mountains, Montana, U.S.A." Geological Society of America (GSA) Graduate Student Research Grant, \$1620
- 2018** "Climate Change and Disturbance in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A." American Association of Geographers (AAG) Dissertation Grant, \$1000
- 2017** "Critical Physical Geography of Whitebark Pine in the Greater Yellowstone Ecosystem." American Association of Geographers (AAG) Biogeography Specialty Group (BSG) Student Research Grant, \$1000
- 2016** "Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A." Golden Key International Honour Society Research Grant, \$2500
- 2016** "Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A." American Association of Geographers (AAG) Mountain Geography Specialty Group (MGSG) Chimborazo Student Research Grant, \$500
- 2016** "Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A." American Association of Geographers (AAG) Paleoenvironmental Change Specialty Group (PEC) Student Research Proposal Competition, Ph.D. Level, \$300
- 2016** "Past, Present and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A." Whitebark Pine Ecosystem Foundation Student Research Grant, \$1000

Internal Funding Sources

- 2017** “Dendrogeomorphic Analysis of Avalanche Chutes in the Rock Creek Valley, Beartooth Mountains, Montana, U.S.A.” UTK Geography Department McCroskey Memorial Fund, \$500
- 2016** “Past, Present, and Future Climate Change and Forest Dynamics in a High Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.” UTK Geography Department McCroskey Memorial Fund, \$500

PROPOSALS SUBMITTED, BUT NOT FUNDED

- 2018** “Dendrogeomorphic Analysis of Avalanche Chutes in the Rock Creek Valley, Beartooth Mountains, Montana, U.S.A.” American Association of Geographers (AAG) Geomorphology Specialty Group Reds Wolman Graduate Student Research Award, \$600
- 2017** “Critical Physical Geography of Whitebark Pine in the Greater Yellowstone Ecosystem.” NSF Doctoral Dissertation Research Improvement Grant (with H.D. Grissino-Mayer), \$12,372 requested
- 2016** “Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem.” NSF Doctoral Dissertation Research Improvement Grant (with H.D. Grissino-Mayer), \$15,671 requested
- 2016** “Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem, Wyoming, U.S.A.” American Association of Geographers (AAG) Biogeography Specialty Group Student Research Grant, \$1000
- 2016** “Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem.” Geological Society of America (GSA) Graduate Student Research Grant, \$2500
- 2015** “Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem.” Sigma Xi Grants-in-Aid of Research, \$1000

HONORS AND AWARDS

University of Tennessee

- 2019 Robert G. Long Outstanding Graduate Student Award, PhD, Dept of Geography
 2018 Graduate Student Senate Award for Excellence in Research
 2018 Nominee for Jimmy and Ileen Cheek Graduate Student Medal of Excellence

- 2018 Extraordinary Service to the Department, Department of Geography
- 2017 Outstanding Teaching Associate Award, Department of Geography
- 2017 Publication Award, Department of Geography
- 2017 Stewart K. McCroskey Memorial Fund Award for Conference Travel
- 2016 Extraordinary Service to the Department, Department of Geography
- 2016 Publication Award, Department of Geography
- 2015 Robert G. Long Outstanding Graduate Student Award, MS, Dept of Geography
- 2015 J. Wallace and Katie Dean Fellowship
- 2015 Chancellor's Fellowship, Department of Geography
- 2015 Publication Award, Department of Geography
- 2014 Science Alliance Scholarship for Masters Research in Physical Geography
- 2014 Stewart K. McCroskey Memorial Fund Award for Conference Travel
- 2014 Outstanding Teaching Assistant Award, Department of Geography
- 2014 Publication Award, Department of Geography

Indiana University Southeast

- 2012 Outstanding Student Award in Geosciences
- 2011 Ruth Brautigam Academic Scholarship
- 2010 Outstanding Student of the Year in Geosciences

Other Awards

- 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
- 2014 Best Master's Paper Award, SEDAAG 2014
- 2014 North American Dendroecological Fieldweek (NADEF) Graduate Fellowship

PROFESSIONAL MEMBERSHIPS

- Alpha Chi Honor Society
- Pinnacle Honor Society
- Association of American Geographers (AAG)
- Southeastern Division of the Association of American Geographers (SEDAAG)
- Gamma Theta Upsilon (GTU) Geography Honor Society, University of Tennessee
- The Geological Society of America (GSA)
- Tree Ring Society
- Whitebark Pine Ecosystem Foundation
- Golden Key International Honour Society
- Phi Kappa Phi Honor Society

PRESENTATIONS AT PROFESSIONAL CONFERENCES

†indicates undergraduate co-author

*indicates non-University of Tennessee collaborator (at time of presentation)

- 2019** **Rochner, M.L.** (2019) Late Holocene Climate and Environmental Change in a High Elevation, Whitebark Pine Ecosystem, Wyoming, USA. Annual Meeting, American Association of Geographers (AAG), 3–7 April 2019, Washington D.C.
- 2018** **Rochner, M.L.**, Merrill, Z.A., and L.G. Smith. (2018) Dendrochronological investigation of the Knob Creek Cabin at President Abraham Lincoln’s Boyhood Home, Hodgenville, Kentucky, USA. Annual Meeting, Southeastern Division of the American Association of Geographers, 18–19 November 2018, Johnson City, Tennessee.
- 2018** **Rochner, M.L.** Dendrogeomorphic Analysis of Avalanche Chutes in the Rock Creek Valley, Beartooth Mountains, Montana, U.S.A. Geological Society of America (GSA) Annual Meeting, 4–7 November 2018, Indianapolis, Indiana.
- 2018** **Rochner, M.L.** Tree-Ring Reconstruction of Late Holocene Wildfire from Remnant Logs in a High-Elevation Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, U.S.A., Whitebark Pine Ecosystem Foundation Science and Management Conference, 20–22 September 2018, Stanley, Idaho.
- 2018** **Rochner, M.L.** 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.
- 2017** **Rochner, M.L.** 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**
- 2017** Grissino-Mayer, H.D., and **M.L. Rochner**. 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.
- 2017** **Rochner, M.L.** 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.

- 2017** **Rochner, M.L.**, and H.D. Grissino-Mayer. 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.
- 2016** **Rochner, M.L.**, †Kelley, H., †Wilson, C., *Bennett, T., and H.D. Grissino-Mayer. 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.
- 2016** Grissino-Mayer, H.D. and **M.L. Rochner**. 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.
- 2016** **Rochner, M.L.** 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.
- 2016** **Rochner, M.L.**, and H.D. Grissino-Mayer. 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.
- 2016** **Rochner, M.L.**, and H.D. Grissino-Mayer. 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.
- 2016** **Rochner, M.L.**, and H.D. Grissino-Mayer. 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.
- 2015** **Rochner, M.L.**, Grissino-Mayer, H.D., and *E.R. Cook. 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.
- 2015** Grissino-Mayer, H.D., Schneider, E.A., **Rochner, M.L.**, Stachowiak, L.A., and M.E. Dennison. 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.

- 2015** Collins, S.A., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, and H.D. Grissino-Mayer. 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.
- 2015** **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.
- 2015** **Rochner, M.L.** and H.D. Grissino-Mayer. 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.
- 2014** **Rochner, M.L.** 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.**
- 2014** **Rochner, M.L.** and H.D. Grissino-Mayer. 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.
- 2014** **Rochner, M.L.** and H.D. Grissino-Mayer. Dendrogeomorphic Analysis of Debris Slides on Mt. Le Conte, GSMNP, TN, U.S.A. University of Tennessee Geography Research Symposium, February 2014, Knoxville, TN.
- 2013** **Rochner, M.L.** and H.D. Grissino-Mayer. 2013. 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.
- 2013** Collins, S.A., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, †Swiney, C.P., and H.D. Grissino-Mayer. Restoration Ecology and Tree-Ring Dating. Annual Meeting, Southeastern Division of the Association of American Geographers, November 2013, Roanoke, VA.
- 2013** Stachowiak, L.A., Schneider, E.A. **Rochner, M.L.**, Collins, S.A., and H.D. Grissino-Mayer. 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.

- 2013** Grissino-Mayer, H.D., Stachowiak, L.A., Schneider, E.A., **Rochner, M.L.**, †Swiney, C.P. and *T.G. McKenzie. 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.
- 2012** **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. **Winner: Best Poster**
- 2012** **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 CONFERENCES

- 2019** Axelson, J., **Rochner, M.L.**, and Brice, R. (Chair). Special Session Organizers: “Dendroecology IV: Ecology.” Annual Meeting, American Association of Geographers (AAG), 3–7 April 2019, Washington D.C.
- 2019** Axelson, J., **Rochner, M.L.**, and Heeter, K. (Chair). Special Session Organizers: “Dendroecology V: Ecology II.” Annual Meeting, American Association of Geographers (AAG), 3–7 April 2019, Washington D.C.
- 2018** **Rochner, M.L. (Co-Organizer)**, and Smith, L.G. (Chair). “Applications in Dendrochronology.” Annual Meeting, Southeastern Division of the American Association of Geographers, 18–19 November 2018, Johnson City, Tennessee.
- 2018** Gentry, C., and **M.L. Rochner (Chair and Co-Organizer)**. “Dendrochronology III: Dendropyrochronology.” Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana.
- 2018** Gill, N. (Organizer and Chair), Ziegler, S., Wentz, E., **Rochner, M.L. (Panelist)**, Commerford, J., Larson, E., and M. Binford. “Preparing Competitive Research Grants in Biogeography.” Annual Meeting, American Association of Geographers (AAG), 10–14 April 2018, New Orleans, Louisiana.
- 2018** Lave, R. (Organizer and Chair), Mansfield, B., Romero, A., **Rochner, M.L. (Discussant)**, Jahi Chappell, M., and E. Smithwick. “Critical Physical Geography 1: Author Meets Critics Handbook of Critical Physical Geography.” Annual

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

- 2017** **Rochner, M.L. (Chair and Co-Organizer)** and H.D. Grissino-Mayer. Special Session Organizers: “Applications in Dendrochronology.” Annual Meeting, Southeastern Division of the American Association of Geographers, 19–21 November 2017, Starkville, Mississippi.
- 2016** **Rochner, M.L. (Chair and Co-Organizer)** and H.D. Grissino-Mayer. Special Session Organizers: “Applications in Dendrochronology.” Annual Meeting, Southeastern Division of the American Association of Geographers, 20–22 November 2016, Columbia, South Carolina.
- 2015** **Rochner, M.L. (Chair and Organizer)** and H.D. Grissino-Mayer. 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.
- 2015** Gentry, C.M., Speer, J.H., and Grissino-Mayer, H.D. (Organizers), **M.L. Rochner (Chair)**. Special Session: “Dendrochronology II: Dendroecology.” Annual Meeting, Association of American Geographers, April 2015, Chicago, IL.
- 2015** 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.

SERVICE TO DEPARTMENT

Interim Lab Manager, Laboratory of Tree-Ring Science, Fa2018-Sp2019

Student Representative, Department Space Committee, Fa2016-Present

Leadership in Redesign of Graduate Student Office and Meeting Space.

Physical Geography Representative, 2018 Geography Research Symposium (GeoSym)

Organizing Committee, Fa2016-Sp2018.

Graduate Student Representative to Department Meetings, Fa2017-Sp2018.

President, GeogGrads, Su2016-Sp2017

Previously the Graduate Association of Research Geographers

Student Representative, Special Events Committee, Fa2016-Sp2017.

Vice President, Graduate Association of Research Geographers, Fa2015-Sp2016

Member, Tennessee Women in Geography, Fa2015-Present

Colloquium Coordinator, Sp2014-Fa2014

PROFESSIONAL SERVICE

Group Leader: Annual North American Dendroecological Fieldweek (NADEF)

2019: 29th NADEF, A.L. Mickelson Field Station, Cody, WY, 07/20/19-07/29/2019. Co-Group Leader with Dr. Jim Speer and Dr. Margot Kaye of the Dendroecology Group. Research Project: Vegetation Response to Climate Change in the Greater Yellowstone Ecosystem.

2018: 28th NADEF, A.L. Mickelson Field Station, Cody, WY, 07/21/18-07/30/2018. Co-Group Leader with Dr. Justin DeRose and Dr. Matthew Bekker of the Dendroclimatology Group. Research project: Dendroclimatology of Montane Limber Pine.

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.

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.

Dendroarchaeology Workshop, Blount Scholars Program, Blount Mansion Knoxville. Assisted 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.

UNDERGRADUATE RESEARCH ADVISING AND MENTORING

Undergraduate Research Director and Mentor in the Laboratory of Tree-Ring Science

Co-Authored Research Projects Resulting in Publication (2) – see “Publications”
Undergraduate Co-Authors: Hudson Kelley, Christopher Wilson, Chaney Swiney

Undergraduates Directed, GEOG494: Undergraduate Research Experience (7)
Students Directed: Jack Spining, Patrick Clark, Anna Fraser, Hudson Kelley, Ellie Eggink, Rebecca Groh, Devin Deponte

Field and Lab Mentor for Undergraduate Research Projects (1)

Undergraduate Mentee: Brooke Pearson

Project: External Forcing Factors that Affect Torque Resistance Among Hardwood and Softwood Species, Norris Dam State Park, Tennessee, USA

Co-Authored Research Projects Not Resulting in Publication (1)

Undergraduate Co-Authors: Chaney Swiney

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

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 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.

INVITED LECTURES

University of Tennessee

Volcanoes, GEOG 331 Natural Hazards

People and Fire, Fire and People, GEOG 345 People and Environment

Climate Change and Disturbance, GEOG 435 Biogeography

Tree Rings and Disturbance, GEOG 435 Biogeography

Weather Forecasting, GEOG 131 Weather, Climate, Climate Change

Lab Methods in Dendrochronology, GEOG 432 Environmental History from Tree Rings

Aeolian Processes, GEOG 132 Physical Geography II

Dendroarchaeology, GEOG 432 Dendrochronology
The History of Dendrochronology, GEOG 432 Dendrochronology
Water, Its Properties and Importance, GEOG 131 Physical Geography I
Oscillations and Climate, GEOG 131 Physical Geography I
Dendrochronology and Dendrogeomorphic Applications in Great Smoky Mountains National Park, GEOG 132 Physical Geography II
Glaciers and Glacial Geomorphology, GEOG 132 Physical Geography II

OTHER FIELD AND RESEARCH EXPERIENCE

Pre-AAG Workshop on Critical Physical Geography, March 31-April 2, 2019, Baltimore, MD. Workshop to review and prepare final proposals for Critical Physical Geography research. My proposal: *Critical Physical Geography of Whitebark Pine in the Greater Yellowstone Ecosystem*.

North American Dendroecological Fieldweek (NADEF):

<https://sites.google.com/view/nadef/home>

Group Leader: Dendroclimatology Group, A.L. Mickelson Field Station, WY 2018
Group Leader: Dendroecology Group, A.L. Mickelson Field Station, WY 2017
Group Leader: Introductory Dendrochronology Group, Pack Forest, WA 2016
Participant: Dendroecology Group, A.L. Mickelson Field Station, WY 2014

Dendrochronology Field Assistant:

Moose-Induced Suppression in the Tree-Ring Record on Isle Royale National Park, Michigan, U.S.A., Zachary Merrill, UT PhD Student

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

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

RELEVANT COURSE WORK

University of Tennessee:

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

Indiana University Southeast:

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