

Peter T. Soulé
Curriculum vitae - June 2024

EDUCATION:

- Ph.D., 1989 Geography. University of Georgia, Athens, Georgia. Dissertation: “Spatial and Temporal Patterns of Multiple Drought Types.”
- M.A., 1984 Geography. Appalachian State University, Boone, North Carolina. Thesis: “Topoclimatic Influences on Heating Degree Days in Complex Terrain.”
- B.A., 1980 Geography. Florida Atlantic University, Boca Raton, Florida.

PROFESSIONAL EXPERIENCE:

- 2000-2024: Professor. Department of Geography and Planning, Appalachian State University.
- 2012-2014: Faculty-in-Residence, Appalachian State University
- 2014: Faculty, Summer Ventures Program, Appalachian State University
- 2013: Faculty, Summer Ventures Program, Appalachian State University
- 2012: Graduate Program Coordinator. Department of Geography and Planning, Appalachian State University (Spring Semester).
- 2005: Graduate Program Coordinator. Department of Geography and Planning, Appalachian State University (Spring Semester).
- 2000-2002: Graduate Program Coordinator. Department of Geography and Planning, Appalachian State University.
- 1996-2000: Associate Professor. Department of Geography and Planning, Appalachian State University.
- 1993-1996: Assistant Professor. Department of Geography and Planning, Appalachian State University.
- 1989-1993: Assistant Professor. Department of Geography, University of Alabama.

REFEREED PUBLICATIONS (Journals):

- 2024 Knapp, P. A., Catherwood, A. A., and Soulé, P. T. Placing 21st Century Warming in Southern California, USA in a Multi-Century Historical Context. *Atmosphere*. V 15(6), 649. <https://doi.org/10.3390/atmos15060649>. ISI Impact Factor: 2.9.
- 2024 Soulé, P. T. and Knapp, P. A. The evolution of “Hot” droughts in Southern California, USA from the 20th to the 21st century. *Journal of Arid Environments*. V 220: 105118. <https://doi.org/10.1016/j.jaridenv.2023.105118>. ISI Impact Factor: 2.7
- 2024 Knapp, P. A., Soulé, P. T., Mitchell, T. J., Catherwood, A. A., and Lewis, H. S. Increasing radial growth in old-growth high-elevation conifers in southern California, USA during the exceptional “hot drought” of 2000–2020. *International Journal of Biometeorology*. <https://doi.org/10.1007/s00484-024-02619-3>. ISI Impact Factor: 3.2.
- 2022 Soulé, P. T. Temporal patterns of drought frequency and severity in North Carolina, 1920-2019 and the drought gap of the 1960s-1970s. *Southeastern Geographer* V 62: 25-37. doi.org/10.1353/sgo.2022.0003. ISI Impact Factor: 0.65.
- 2021 Maxwell, J.T., Bregy, J.C., Robeson, S.M., Knapp, P.A., Soulé, P.T. and Trouet, V. Recent increases in tropical cyclone precipitation extremes over the US east coast. *Proceedings of the National Academy of Sciences* V 118. <https://doi.org/10.1073/pnas.210563611> . ISI Impact Factor: 12.29
- 2021 Soulé, P. T., Knapp, P. A., Maxwell, J. T., and Mitchell, T. J. A comparison of the climate response of longleaf pine (*Pinus palustris* Mill.) trees among standardized measures of earlywood, latewood, adjusted latewood, and totalwood radial growth. *Trees*. doi.org/10.1007/s00468-021-02093-z. ISI Impact Factor: 2.13.
- 2021 Jonaitis, J. J., Perry, L. B., Soulé, P. T., Thaxton, C., Andrade-Flores, M. F., Vargas, T. I., and Ticona, L.. Spatiotemporal patterns of ENSO-precipitation relationships in the tropical Andes of southern Peru and Bolivia. *International Journal of Climatology*. DOI: 10.1002/joc.7058. ISI Impact Factor: 3.61.
2020. Kaiser, A. L., Soulé, P. T., van de Gevel, S. L., Knapp, P. A., Bhuta, A., Walters, J., and Montpellier, E. E. . Dendroecological investigation of red-cockaded woodpecker cavity tree selection in endangered longleaf pine forest. *Forest Ecology and Management*. V 473: 118291. ISI Impact Factor: 3.13.
- 2020 Montpellier, E. E., Knapp, P. A., Soulé, P. T., and Maxwell, J. T. Microelevational differences affect longleaf pine (*Pinus palustris* Mill.) sensitivity to tropical cyclone precipitation: a case study using LiDAR". *Tree-ring Research*. Vol. 76(2), 2020, pp. 89–93. ISI Impact Factor: 1.12.

- 2020 Knapp, P. A., Soulé, P. T., Maxwell, J. T., Ortegren, J. T., and Mitchell, T. J. Tropical cyclone precipitation regimes since 1750 and the Great Suppression of 1843–1876 along coastal North Carolina, USA. *International Journal of Climatology*. 41(1), pp.200-210. ISI Impact Factor: 3.61.
- 2020 Montpellier, E. E., Soulé, P. T., Knapp, P. A., and L. Baker Perry. Reconstructing summer upper-level flow in the northern Rocky Mountains using an alpine larch tree-ring chronology. *Climate Research*. V 79:207-2018. ISI Impact Factor: 1.95
- 2019 Soulé, P. T. and Knapp, P. A. Radial growth rate responses of western juniper (*Juniperus Occidentalis* Hook.) to atmospheric and climatic changes: A longitudinal study from central Oregon, USA. *Forests*. DOI: 10.3390/f10121127. ISI Impact Factor: 2.12.
- 2019 Soulé, P. T., and Knapp, P. A. A 400-year reconstruction of wintertime Arctic sea-ice Extent using a high-elevation, mid-latitude tree-ring record. *International Journal of Biometeorology*. V. 17: 1-13. ISI Impact Factor: 2.38.
- 2019 Soulé, P. T., Maxwell, J. T., and Knapp, P. A. Climate-growth responses from *Pinus Ponderosa* trees using multiple measure of annual radial growth. *Tree-Ring Research*. V. 75: 1-9. ISI Impact Factor: 1.12.
- 2019 Montpellier, E. E., Soulé, P. T., Knapp, P. A. and Maxwell, J. T. Dendroclimatic assessment of ponderosa pine radial growth along elevational transects in western Montana, U.S.A. *Forests*. DOI: 10.3390/f10121094. ISI Impact Factor: 2.12
- 2019 Bregy, J. C., Maxwell, J. T., Robeson, S. M., Ortegren, J. T., Soulé, P. T., and Knapp, P. A. Spatiotemporal variability of tropical cyclone precipitation using a high-resolution, gridded (0.25° x 0.25°) dataset for the eastern United States, 1948–2015. *Journal of Climate*. DOI: <https://doi.org/10.1175/JCLI-D-18-0885.1>. ISI Impact Factor: 4.81.
- 2018 Eck, M. A., Perry, L. B., Soulé, P. T., Sugg, J. W. and Miller, D. K. Winter climate variability in the southern Appalachian Mountains, 1910-2017. *International Journal of Climatology*. V 39: 206-2017. DOI: 10.1002/joc.5795. ISI Impact Factor: 3.61.
- 2018 Montpellier, E. E., Soulé, P. T., Knapp, P. A., and Shelly, J. S. Divergent growth rates of alpine larch trees (*Larix lyallii* Parl.) in response to microenvironmental variability. *Arctic, Antarctic, and Alpine Research*. V. 50:1, e1415626-1. ISI Impact Factor: 2.23.
- 2017 Maxwell, J. T., Knapp, P. A., Ortegren, J. T., Ficklin, D. L., and Soulé, P. T. Changes in the mechanisms causing rapid drought cessation in the southeastern United States. *Geophysical Research Letters*. V. 44: 12,476-12,483 <https://doi.org/10.1002/2017GL076261>. ISI Impact Factor: 4.34.

- 2017 Knapp, P. A. and Soulé, P. T. Spatio-temporal linkages between declining Arctic sea-ice extent and increasing wildfire activity in the western United States. *Forests*. V. 8: 313, doi:10.3390/f8090313. ISI Impact Factor: 2.88.
- 2016 Knapp, P.A, Maxwell, J.T., and Soulé, P.T. Tropical cyclone rainfall variability in Coastal North Carolina derived from longleaf pine (*Pinus palustris* Mill.): AD 1771–2014. *Climatic Change*. V. 135: 311-323. ISI Impact Factor: 4.17.
- 2016 D. Austin, S. L. van de Gevel, and P. T. Soulé. Forest dynamics and climate sensitivity of an endangered Carolina hemlock community in the southern Appalachian Mountains, U. S. A. *Botany*. V. 94: 301-309. ISI Impact Factor: 1.18.
- 2016 P. A. Knapp, J. T. Maxwell, J. T. Ortegren, and P. T. Soulé. Spatio-temporal changes in comfortable weather duration in the continental U.S. and implications for human wellness. *Annals of the Association of American Geographers*. V. 106: 1-18. ISI Impact Factor: 2.291.
- 2015 D. Martin, L. B. Perry, D. Miller, and P. T. Soulé. “Snowfall Event Characteristics From a High-elevation Site in the Southern Appalachian Mountains, USA.” *Climate Research*. V. 63: 171-190. 2014 ISI Impact Factor: 2.71.
- 2015 P. T. Soulé and P. A. Knapp. “Analyses of Intrinsic Water-use Efficiency Indicate Performance differences of Ponderosa Pine and Douglas-fir in Response to CO₂ Enrichment.” *Journal of Biogeography*. V. 42: 144-155. 2014 ISI Impact Factor: 4.97.
- 2014 P. B. White, P. T. Soulé, and S. van de Gevel. “Impacts of Human Disturbance on the Temporal Stability of Climate-Growth Relationships in a Red Spruce Forest, Southern Appalachian Mountains, USA. *Dendrochronologia*. V. 32: 71-77. 2012 ISI Impact Factor: 1.48.
- 2013 P. T. Soulé and P. A. Knapp. “Radial Growth Rates of Two Co-occurring Coniferous Trees in the Northern Rockies during the Past Century.” *Journal of Arid Environments*. V. 94: 87-95. 2012 ISI Impact Factor: 1.72.
- 2013 J. T. Maxwell, J. T. Ortegren, P. A. Knapp, and P. T. Soulé. “Tropical Cyclones and Drought Amelioration in the Gulf and Southeastern Coastal United States.” *Journal of Climate*. (doi:10.1175/JCLI-D-12-00824.1). 2012 ISI Impact Factor: 4.1.
- 2013 P. A. Knapp, P. T. Soulé and J. T. Maxwell. “Mountain Pine Beetle Selectivity in Old-Growth Ponderosa Pine Forests, Montana, USA.” *Ecology and Evolution*. (DOI – 10.1002/ece3.522). 2012 ISI Impact Factor: 1.18.

- 2012 G. M. Kelly, B. F. Taubman, L. B. Perry, J. P. Sherman, P. T. Soulé, and P. J. Sheridan. "Relationships between Aerosols and Precipitation in the Southern Appalachian Mountains." *International Journal of Climatology*. DOI: 10.1002/joc.3632. 2011 ISI Impact Factor: 2.91.
- 2012 G. M. Kelly, L. B. Perry, B. Taubman, and P. T. Soulé. "Synoptic Classification of Precipitation Events in the Southern Appalachian Mountains." *Climate Research*. V. 55: 1-15. 2011 ISI Impact Factor: 1.99.
- 2012 P. White, S. van de Gevel, and P. T. Soulé. "Succession and Disturbance in an Endangered Red Spruce-Fraser Fir Forest in the Southern Appalachian Mountains, North Carolina, U.S.A.. *Endangered Species Research*. V. 18: 17-25. SCImago Impact Index Factor: 1.64.
- 2012 J. T. Maxwell, P. T. Soulé, P. A. Knapp and J. T. Ortegren. "Drought-Busting Tropical Cyclones in the Southeastern Atlantic United States: 1950–2008." *Annals of the Association of American Geographers*. V. 102: 259-275. 2010 ISI Impact Factor: 1.89.
- 2011 P. A. Knapp, P.A. and P. T. Soulé. Reconstructing annual area burned in the Northern Rockies, USA: AD 1626-2008. *Geophysical Research Letters*. V. 38, L17402, doi: 10.1029/2011GL048119. 2011 ISI Impact Factor: 3.79.
- 2011 J. T. Maxwell and P. T. Soulé. "Drought and Other Driving Forces Behind Population Change in Six Rural Counties in the United States." *Southeastern Geographer*. V. 51: 133-148.
- 2011 J. T. Ortegren, P. A. Knapp, J. T. Maxwell, W. Tyminski, and P. T. Soulé. "Ocean-Atmosphere Influences on Low-Frequency Warm Season Drought Variability in the Gulf Coast and Southeastern U.S.A." *Journal of Applied Meteorology and Climatology*. V. 50: 1177-1186. 2010 ISI Impact Factor: 1.92.
- 2011 P. T. Soulé and P. A. Knapp. "Radial Growth and Increased Water-Use Efficiency for Ponderosa Pine Trees in Three Regions in the Western United States. *The Professional Geographer*. V. 63: 1-13. 2010 ISI Impact Factor: 1.52.
- 2011 P. T. Soulé. "Changing Climate, Atmospheric Composition, and Radial Tree Growth in a Spruce-Fir Ecosystem on Grandfather Mountain, North Carolina." *Natural Areas Journal*. V. 31: 65-74. 2010 ISI Impact Factor: 0.72.
- 2010 P. A. Knapp and P. T. Soulé. "Increasing water-use efficiency and age-specific growth responses of old-growth ponderosa pine trees in the Northern Rockies" *Global Change Biology*. V. 17: 631-641. Doi: 10.1111/j.1365-2486.2010.02209.x. 2010 ISI Impact Factor: 6.35.

- 2009 J. T. Maxwell and P. T. Soulé. "United States Drought of 2007: Historical Perspectives." *Climate Research*. V. 38: 95-104. 2009 ISI Impact Factor: 2.25.
- 2008 P. A. Knapp and P. T. Soulé "Use of Atmospheric CO₂-sensitive Trees May Influence Dendroclimatic Reconstructions." *Geophysical Research Letters*. Doi: 10.1029/2008GL035664. 2008 ISI Impact Factor: 2.96.
- 2008 P. T. Soulé and P. A. Knapp. "Does an August Singularity Exist in the Northern Rockies of the United States?" *Journal of Applied Meteorology and Climatology*. (DOI; 10.1175/2007Jamc1735.1 2008 ISI Impact Factor: 1.76.
- 2007 P. T. Soulé and P. A. Knapp. "Topoedaphic and Morphologic Complexity of Mortality and Foliar Damage Within Western Juniper Woodlands Following an Extreme Meteorological Event. *Journal of Biogeography*. V. 34: 1927-1937. 2007 ISI Impact Factor: 3.54.
- 2007 P. A. Knapp and P. T. Soulé. "Trends in mid-latitude cyclone frequency and occurrence during fire season in the Northern Rockies: 1900-2004." *Geophysical Research Letters*. 34, L20707, doi:10.1029/2007GL031216. 2007 ISI Impact Factor: 2.74.
- 2006 P. T. Soulé and P. A. Knapp. "Radial Growth Rate Increases in Naturally-occurring Ponderosa Pine Trees: a Late 20th Century CO₂ Fertilization Effect? *New Phytologist*. V. 171: 379- 390. 2006 ISI Impact Factor: 4.25.
- 2006 P. T. Soulé. "A Comparison of 30-yr Climatic Normals for the Southeastern United States." *Southeastern Geographer*. V. 45:16-24.
- 2005 P. A. Knapp and P. T. Soulé. "Impacts of an Early Season Freeze Event in the Interior Pacific Northwest (October 30th- November 3rd, 2002) on Western Juniper Woodlands. *Journal of Applied Meteorology* V. 44: 1152-1158.
- 2004 P. T. Soulé, P. A. Knapp, and H. D. Grissino-Mayer. "Human Agency, Environmental Drivers, and Western Juniper Establishment During the Late Holocene." *Ecological Applications*. V. 14: 96-112.
- 2004 P. A. Knapp, P. T. Soulé, and H. D. Grissino-Mayer. "Occurrence of Sustained Droughts in the Interior Pacific Northwest (AD 1733-1980) Inferred from Tree-Ring Data." *Journal of Climate*. V. 17: 140-150.
- 2003 P. T. Soulé, P. A. Knapp, and H. D. Grissino-Mayer. Comparative Rates of Western Juniper Afforestation in South-Central Oregon and the Role of Anthropogenic Disturbance. *The Professional Geographer*. V. 55: 43-55.

- 2002 P. A. Knapp, H. D. Grissino-Mayer, and P. T. Soulé. "Extreme Climate Signature Years and Climatic Boundaries in the Interior Pacific Northwest" *Quaternary Research*. V. 58: 226-233.
- 2001 P. A. Knapp, P. T. Soulé, and H. D. Grissino-Mayer. "Detecting Regional Effects of Increased Atmospheric CO₂ on Growth Rates of Western Juniper." *Global Change Biology*. V. 7: 903-917.
- 2001 P. A. Knapp, P. T. Soulé, and H. D. Grissino-Mayer. "Post-drought Growth Response of Western Juniper (*Juniperus occidentalis* var. *occidentalis*) in Central Oregon." *Geophysical Research Letters*. V. 28: 2657-2660.
- 2000 P. T. Soulé, and P. A. Knapp. "*Juniperus Occidentalis* (Western Juniper) Establishment History on Two Minimally Disturbed Research Natural Areas in Central Oregon." *Western North American Naturalist*. V. 60: 26-33.
- 2000 J. L. DeHart and P. T. Soulé, . "Does I = PAT Work in Local Places?" *The Professional Geographer*. V. 52: 1-10.
- 1999 P. T. Soulé and P. A. Knapp. "Western Juniper (*Juniperus occidentalis*) Expansion on Adjacent Disturbed and Near-relict Sites in Central Oregon." *Journal of Range Management*. V 52: 525-533.
- 1999 P. A. Knapp and P. T. Soulé. "Geographical Distribution of an 18th Century Heart Rot Outbreak in Western Juniper (*Juniperus occidentalis* ssp. *occidentalis* Hook.)." *Journal of Arid Environments*. V. 41: 247-256.
- 1999 J. R. Anzelmo and P. T. Soulé. "Relationships Between Mid-tropospheric Flow Indices and January Surface Precipitation in the Contiguous United States." *Southeastern Geographer*. V. 39: 75-85.
- 1998 P. T. Soulé and J. L. DeHart. "Assessing IPAT Using Production- and Consumption-based Measures of I." *Social Science Quarterly*. V. 79: 754-765.
- 1998 P. T. Soulé. "Some Spatial Aspects of Southeastern United States Climatology." *Journal of Geography*. V. 97: 142-150.
- 1998 P. T. Soulé. "The Comfort Day Index and its Use as a Measure of Temperature Stress in the Southeastern United States." *Southeastern Geographer*. V. 38: 142-149.
- 1998 P. A. Knapp and P. T. Soulé. "Recent *Juniperus occidentalis* (Western Juniper) Expansion on a Protected Site in Central Oregon." *Global Change Biology*. V. 4: 347-357.

- 1996 P. T. Soulé and P. A. Knapp. "The Influence of Vegetation Removal by Western Harvester Ants (*Pogonomyrmex owyheeii*) in a Relict Area of Sagebrush-steppe in Central Oregon." *The American Midland Naturalist*. V. 136 : 336-345.
- 1996 P. A. Knapp and P. T. Soulé. "Vegetation Change and the Role of CO₂ Enrichment on a Relict Site in Central Oregon: 1960-1994". *Annals of the Association of American Geographers*. V. 86: 387-411.
- 1996 P. T. Soulé and P. A. Knapp. "Pogonomyrmex owyheeii Nest Site Density and Size on a Minimally Impacted Site in Central Oregon." *Great Basin Naturalist*. V. 56: 162-166.
- 1995 J. C. Acker and P. T. Soulé. "Temporal Characteristics of Pennsylvania Snowfall: 1950-51 Through 1989-90." *Physical Geography*. V. 16: 188-204.
- 1995 P. T. Soulé and P. W. Suckling. "Variations in Heating and Cooling Degree Days in the South-eastern United States, 1960-1989." *International Journal of Climatology*. V. 15: 355-367.
- 1995 P. T. Soulé. "Drought Evolution Patterns in the U.S.A. During Great Plains-centered Droughts." *Great Plains Research*. V. 5: 115-135.
- 1995 P. T. Soulé, and Yin, Zhi-Yong. "Short- to Long-term Trends in Hydrologic Drought Conditions in the Contiguous United States." *Climate Research*. V. 5: 149-157.
- 1993 P. T. Soulé. "Hydrologic Drought in the Contiguous United States, 1900-1989: Spatial Patterns and Multiple Comparison of Means." *Geophysical Research Letters*. V. 20: 2367-2370.
- 1993 J. B. Bounds and P. T. Soulé. "Aspects of the Tornado Climatology of Alabama and the Florida Panhandle, 1962-1986." *Southeastern Geographer*. V. 33: 172-193.
- 1993 G. A. Wiggins and P. T. Soulé. "Environmental and Topographic Factors Affecting Male 'Middle-of-the-pack' Duathlon Performance." *Geographical Bulletin*. V. 35: 86-97.
- 1993 P. T. Soulé and G. A. Wiggins. "Effects of Race-day Weather and Topographic Severity on Performance in Duathlon Races: Inter-race Comparisons from the Pacific Northwest." *Northwest Science* V. 67: 262-272.
- 1993 P. T. Soulé. "Spatial Patterns and Teleconnections of Utah-based Droughts in the Contiguous United States." *Journal of Arid Environments*. V. 24: 217-229.
- 1992 P. T. Soulé. "Spatial Patterns of Frequency and Duration for Near-Normal Climatic Events in the Contiguous USA." *Climate Research*. V. 2: 81-89.

- 1992 P. T. Soulé, V. Meentemeyer, and W. Bland. "Temporal Trends of Mean and Extreme Wind Chill in Georgia, 1961-1990." *Southeastern Geographer*. V. 32: 97-112.
- 1992 P. T. Soulé. "Spatial Patterns of Average Southeastern-based Droughts in the Contiguous United States." *Physical Geography*. V. 13: 225-239.
- 1992 G. A. Wiggins and P. T. Soulé. "The Effects of Weather and Course Topography on Female Duathlon Performance." *Sport Place International*. V. 6: 15-28.
- 1992 P. T. Soulé. "Spatial Patterns of Drought Frequency and Duration in the Contiguous USA Based on Multiple Drought Event Definitions." *International Journal of Climatology*. V. 12: 11-24.
- 1992 P. T. Soulé. "Concurrent and Lagged Relationships Among Various Drought Indices in the United States." *MAUSAM: Indian Journal of Meteorology, Hydrology and Geophysics*. V. 43: 34-50.
- 1991 P. T. Soulé and T. B. Pugh. "A Comparison of Nocturnal Heat Island Observations at Tuscaloosa, Alabama and Athens, Georgia." *The Journal of the Alabama Academy of Science*. V. 63: 226-238.
- 1990 P. T. Soulé. "Spatial Patterns of Multiple Drought Types in the Contiguous United States: a Seasonal Comparison." *Climate Research*. V. 1: 12-21.
- 1990 P. T. Soulé and D. Shankman. "The Relationships of Palmer's Drought Indices to River Stage in Western Tennessee." *Physical Geography*. V. 11: 206-219.
- 1990 P. T. Soulé. "A Comparison of Regional Drought Patterns in the Contiguous United States Using Four Measures of Drought Severity." *The Geographical Bulletin*. V. 32: 72-80.
- 1990 P. T. Soulé. "Temporal Relationships Among Multiple Drought Types During an Average Drought." *Climatological Bulletin*. V. 24: 97-108.
- 1989 P. T. Soulé and V. Meentemeyer. "The Drought of 1988: Historical Rank and Recurrence Interval." *Southeastern Geographer*. V. 29: 17-25.
- 1988 P. T. Soulé, V. Meentemeyer, and M. L. Shelton. "Trends in July Relative Humidity and Vapor Pressure Within the Central Valley of California, 1920-1981." *Journal of Arid Environments*. V. 15: 109-116.
- 1988 P. T. Soulé. "The 1986 Growing Season Drought in the Southeastern United States: Spatial and Temporal Patterns." *Southeastern Geographer*. V. 28: 80-96.
- 1988 P. T. Soulé. "An Examination of Energy Consumption in the Residential Sector of the Contiguous United States." *The Geographical Bulletin*. V. 30: 9-20.

1987 P. T. Soulé and P. W. Suckling. "Recent Trends in July Mean Maximum Actual and Effective Temperatures for Georgia." *Georgia Journal of Science*. V. 45: 158-164.

GRANTS, CONTRACT, and CONSULTING WORK:

EXTERNAL:

P. T. Soulé, P. A. Knapp, and J. T. Maxwell (co-PIs), "A paleoclimatic examination of tropical cyclone-derived precipitation variability and atmospheric-oceanic controls inferred from longleaf pine in the coastal Carolinas, USA", Sponsored by National Science Foundation Geography and Spatial Sciences, 2017-2021, \$300,886 (external grant).

P. T. Soulé and S. van de Gevel (co PIs). Using Tree-Ring Samples to Determine *Terminus Post Quem* Dates for Archaeological Dam Sites in the Chattahoochee River. Southern Research, Historic Preservation Consultants, Inc., 2013. \$3806 (external contract).

P. T. Soulé and S. van de Gevel (co PIs). "Tree-Ring Analysis of Industrial Archaeological Sites in the Chattahoochee River." Southern Research, Historic Preservation Consultants, Inc., 2012-2013. \$2617 (external contract).

P. T. Soulé and P. A. Knapp (co PIs). "Collaborative Research: Radial Growth Responses among Naturally-Occurring Western U.S. Conifers under Changing Environmental Conditions." National Science Foundation, 2009-2013, \$342,955 (ASU share: \$182,953) (external grant).

G. L. Walker and P. T. Soulé. "Characterization of Ancient Red Cedar Communities in the Obed Wild and Scenic River Gorge." National Park Service, 2007, \$24,000 (external grant).

P. T. Soulé. "An examination of the age structure and growth patterns of high elevation conifers on Grandfather Mountain, NC." Grandfather Mountain, Inc., 2006-2007, \$6,000 (external grant).

P. T. Soulé and P. A. Knapp (co PIs). "Anomalous 20th Century Ponderosa Pine Growth and Potential CO₂ Fertilization in Naturally-Occurring Stands in the Interior West, USA." United States Department of Agriculture, National Research Initiative Competitive Grants Program, 2005-2007, \$150,000 (external grant).

P. A. Knapp, P. T. Soulé, and H. D. Grissino-Mayer (co-PIs). "Historic Expansion of Western Juniper on Near-Relict Sites: a Dendroecological Approach." National Science Foundation, 1998-2001, \$190,376 (external grant).

P. T. Soulé and P. A. Knapp (co PIs). "Western Juniper (*Juniperus occidentalis*) Expansion on Minimally Impacted Sites in Central Oregon: Periods of Establishment and Probable Cause(s)." Challenge Cost Share Program, U.S. Bureau of Land Management, \$30,764, 1997-1998 (external grant).

N. G. Lineback, PI. "Global Change in Local Places." NASA, \$175,000, 1996, 1997, 1998. (my involvement was as a Senior Researcher) (external grant contract work).

L. Garo, PI. "North Carolina Greenhouse Gas Inventory for 1990." State of North Carolina-EPA, \$50,000, 1996. (my involvement was as a Senior Researcher) (external grant contract work).

V. Meentemeyer and P. T. Soulé. Analysis of Current Weather Data Collection at End-Use Monitored Sites and Recommendations for Future Monitoring Approaches. Atlanta, GA: Southern Company Services, Inc., 1995, \$20,000 (consulting).

V. Meentemeyer and P. T. Soulé. 1: "Weather Data and Analyses for Summer System Peak Forecast Scenarios With an Emphasis on Cool Summers", and 2: "Climate and Weather in the Grady EMC Service Area." Tucker, GA: Oglethorpe Power Corporation, 1993, \$8,000 (consulting).

V. Meentemeyer and P. T. Soulé. "Weather Data for Winter System Peak Forecast Scenarios and Intermediate Range Demand Forecasts." Oglethorpe Power Corporation, 1992, \$10,000 (consulting).

V. Meentemeyer and P. T. Soulé. "Weather Function Modeling Methodology: A Review," Oglethorpe Power Corporation, 1990, \$10,000 (consulting).

V. Meentemeyer and P. T. Soulé. "Precipitation Data for Improved Load Forecasting," Oglethorpe Power Corporation, 1990, \$10,000 (consulting).

V. Meentemeyer and P. T. Soulé. "Load Forecasting: Weather Data and Climatic Normals," Oglethorpe Power Corporation, 1989, \$10,000 (consulting).

INTERNAL:

P. T. Soulé. "A dendroclimatic reconstruction of atmospheric river precipitation in southern California." ASU, University Research Council, 2020-2022, \$4732 (internal grant).

P. T. Soulé. "Tree-growth responses in semiarid western juniper woodlands following two decades of increasing aridity." ASU, College of Arts and Sciences SAFE grant, 2018, \$900 (internal grant).

P. T. Soulé. "Tree-growth responses in semiarid western juniper woodlands following two decades of increasing aridity: A longitudinal study in central Oregon." University Research Council, ASU, 2017-2018, \$2101 (internal grant).

P. T. Soulé. Graduate Research Assistantship Mentoring grant (GRAM). 2018 (Academic year 2018-2019). \$12,000 (internal grant).

P. T. Soulé. Graduate Research Assistantship Mentoring grant (GRAM). 2017 (Academic year 2017-2018). \$12,000 (internal grant).

P. T. Soulé and Rich Crepeau. IRAP Grant to Review and Improve Assessment in the Department of Geography and Planning, 2017, \$1000 (internal grant).

P. T. Soulé. Faculty Reassigned Time, Office of Research, ASU, 2016, \$3,400 (internal course buyout).

P. T. Soulé. “APPon Online Course Materials Development Program for Introduction to Physical Geography.” Academic Affairs, ASU, 2015, \$3500 (internal contract).

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"Spatial and Temporal Patterns of Multiple Drought Types in the Contiguous United States." Presented at the 84th Annual Meeting of the Association of American Geographers, Phoenix, AZ, April, 1988.

"Spatial and Temporal Patterns of Drought in The Southeastern United States During the 1986 Growing Season." Presented at the 42nd Annual Meeting of the Southeastern Division, Association of American Geographers, Charlotte, NC, November, 1987.

"Household Energy Consumption in the Residential Sector of the United States." Presented at the 64th Annual Meeting of the Georgia Academy of Science, Albany, GA, April 1987.

"Some Observations of the Urban Heat Island in Athens, Georgia." Presented at the 2nd Annual University of Georgia/University of Florida Geography Conference, Gainesville, FL, February 1987.

"Trends in July Mean Maximum Effective and Actual Temperatures in Georgia, 1956-1981." Presented at the 41st Annual Meeting of the Southeastern Division, Association of American Geographers, Lexington, KY, November 1986.

"Trends in Relative Humidity and Vapor Pressure Within the Central Valley of California, 1920-1981." Presented at the 63rd Annual Meeting of The Georgia Academy of Science, Milledgeville, GA, May 1986.

"An Application of Selected Human Comfort Indices in the Southeastern United States." Presented at the 1st Annual University of Georgia/University of Florida Geography Conference, Athens, GA, March 1986.

"Topoclimatic Influences on Heating Degree Days in Complex Terrain." Presented at the 80th Annual Meeting of the Association of American Geographers, Washington, D.C., April 1984.

COLLOQUIA AND INVITED TALKS (presenter underlined if not Soulé):

“How a research mistake turned out ok!: Alpine larch trees (*Larix lyallii* Parl) have divergent growth rates related to microenvironmental variability.” University of West Florida, February 2022.

“Reconstructing Tropical Cyclone Precipitation in North Carolina from tree-rings of Longleaf Pine.” Wake Forest University, Department of Biology, November 2017.

“Student Benefits of Getting Involved in Faculty Research Projects” Cone Hall, Appalachian State University, Faculty-in-Residence Programs. April 2014.

“Why Fieldwork?” Cannon Hall, Appalachian State University, Faculty-in-Residence Programs. March 2014.

“Climate Change: What do the Trees Tell Us?” Frank Hall, Appalachian State University, Faculty-in-Residence Programs, February 2013.

“Tree-Ring Research.” Cone Hall, Appalachian State University, Faculty-in-Residence Programs, December 2012.

“Why Fieldwork: Benefits of Getting Involved in Faculty Research Projects.” Hoey Hall, Appalachian State University, Faculty-in-Residence Programs. October 2012.

“Collaborative Research: Radial Growth Responses among Naturally-Occurring Western U.S. Conifers under Changing Environmental Conditions.” United States Forest Service, Region 1, Missoula, Montana. August 2011 (with P. A. Knapp).

“Using a tree-ring chronology developed from alpine larch to reconstruct annual area burned in the Northern Rockies from AD 1626–2008.” United States Forest Service, Region 1, Missoula, Montana. August 2011 (with P. A. Knapp).

“Climate Change, Acid Rain, and Tree Growth on Grandfather Mountain, North Carolina.” University of North Carolina Greensboro, Department of Geography Colloquium Series. March 2009.

“Changing Climate and Radial Tree Growth in a High Elevation Spruce-Fir Ecosystem on Grandfather Mountain, North Carolina.” Grandfather Mountain, Inc. December 2008.

“Climate Change and Associated Changes in Tree Growth on Grandfather Mountain.” Grandfather Mountain, Naturalist Weekend. May 2008.

“Dead Trees, Rebuilding New Orleans, and Indians Fighting Big Coal.” Appalachian State University, Department of Geography Speaker Series, September 2006.

“Basics of Meteorology.” Appalachian State University, Institute for Senior Scholars, April 2005.

“Western Juniper in Central Oregon: Establishment History and the Role of Anthropogenic Disturbance.” University of Tennessee, Department of Geography Colloquium Series, November, 2001.

“The Establishment History of Western Juniper in Central Oregon.” Appalachian State University, Department of Geography and Planning Seminar Series, May 2001.

"Grazing Influences of Western Harvester Ants (*Pogonomyrmex owyheeii*) at Two Semirelict Sites in Central Oregon." Appalachian State University, Department of Biology Seminar Series, November, 1995.

"An Eyewitness Account of Hurricane Gilbert, Tropical Storm of the Century." Department of Geography and Planning, Appalachian State University, National Geography Awareness Week Presentations, November, 1993.

“Regionally-Based Droughts in the USA: Spatial Patterns and Teleconnections." Invited Speaker, The Southeast Climate Symposium: Changing Climate and Water Resources, Charleston, SC, October, 1992.

"Spatial and Temporal Patterns of Drought." Department of Geology Seminar Series, University of Alabama, September, 1992.

"Characteristics of Drought in the Contiguous United States." University of North Carolina, Chapel Hill, September, 1992.

“Drought Events in the Contiguous United States: Frequency, Duration, and Spatial Patterns." East Carolina University, January, 1992.

"An Overview of United States Drought Patterns." Summer Minority Research Program Seminar, University of Alabama, June 1992.

"Spatial and Temporal Patterns of Multiple Drought Types in the Contiguous United States." University of Alabama, January, 1989.

"Hurricane Gilbert: Tales from the Eye." Geography Department Colloquium Series. University of Georgia, October, 1988.

GRADUATE STUDENTS DIRECTED:

Glen A. Wiggins, MS, University of Alabama 1991, (thesis); John Bounds, MS, University of Alabama, 1992, (non-thesis); Joe Anzelmo, MS, University of Alabama, 1993 (thesis); Jon C. Acker, MS, University of Alabama, 1994 (thesis); Dan Harris, MA, Appalachian State University, 1996 (thesis); David Hughes III, MA, Appalachian State University, 1997 (thesis); Taylor Dellinger, MA, Appalachian State University, 1997 (thesis); Amanda Todd, MA, Appalachian State University, 2002 (thesis); Candace Tankersley, Appalachian State University, MA, 2002 (applied-track); Ken Bissell, Appalachian State University, MA, 2004 (applied-track); Justin Maxwell, Appalachian State University, MA, 2008 (thesis); Daniel Griggs, Appalachian State University, MA 2009 (applied-track); Philip White, Appalachian State University, MA 2010 (thesis); Joshua Rizor, Appalachian State University, MA 2010 (applied-track); Reece Brown, Appalachian State University, MA 2013 (thesis); Evan Montpellier, Appalachian State University, MA 2018 (thesis); April Kaiser, Appalachian State University, MA 2019 (thesis).

UNDERGRADUATE INTERNSHIPS DIRECTED:

Hinson Hays, summer 2013, Grandfather Mountain State Park, Linville, NC
Jackson Henderson, summer 2013, Blue Ridge Conservancy, Boone, NC
Zachary Parsonage, summer 2014, Winston-Salem Utilities Department, Winston-Salem, NC

PRIMARY RESEARCH INTERESTS:

Global Change (vegetation and atmospheric composition; paleoclimatology)
Climatic extremes (drought, floods, wet spells)
Synoptic Climatology, Natural Hazards, Biogeography

COURSES TAUGHT:

Graduate:

Climatology, Applied Climatology, Global Climates and Meteorology, Natural Hazards, Directed Research in Physical Geography, Physical Environmental Analysis, Advanced Quantitative and Qualitative Methods, Synoptic and Regional Climatology, Tree-Ring Research.

Undergraduate:

Environmental Issues in Appalachia, Introduction to Physical Geography, Introduction to Physical Geography (online version), Weather & Human Societies, Principles of Physical Geography I, Principles of Physical Geography II, Earth Science Survey, Weather and Climate, Weather and Climate (online version), Physical Geography Lab, Climatology, Applied Climatology, Global Climates and Meteorology, Quantitative Methods, Recreational Land Use, Introduction to Physical Geography - Honors, Synoptic and Regional Climatology, Global Climate Change, Global Climate Change Laboratory, Global Climate Change (online version), Global Climate Change Laboratory

(online version), Communicating Geographic Information, Communicating Geographic Information (online version), Global Environmental Systems, Global Environmental Systems (online version).

AWARDS/HONORS:

- 2015 100 Scholars Award (ASU) (\$1200)
- 2009 Research Honors Award from the Southeastern Division of the Association of American Geographers.
- 2007: Featured write-up in the “Research Highlights” section of the journal *Nature* (“Blue-sky Thinking,” *Nature*, V. 450, November 2007, p. 589) about the 2007 manuscript published with P. A. Knapp in *Geophysical Research Letters*.
- 2007: Featured write-up in the “Editor’s Highlights” section of the journal *Geophysical Research Letters* (“Recent Damaging Fire Season may be due to a Decline in Storm Frequency,” *Geophysical Research Letters*, <http://www.agu.org/journals/scripts/highlight.php?pid=2007GL031216>) about the 2007 manuscript published with P. A. Knapp in *Geophysical Research Letters*.
- 2007: Recipient of a Foundation Faculty Travel Study Grant. Appalachian State University (ASU) (\$5500).
- 2003: Mentor for the thesis of Amada Todd, which was selected as ASU’s entry for submission to the Council of Southern Graduate School’s 2004 Master’s Thesis Award in the Social Sciences.
- 2003: Mentor for the thesis of Amanda Todd, which received "Honorable Mention" honors (2nd place) in the annual Cratis Williams Thesis Award competition (ASU).
- 2000: Board of Trustees Travel Study Grant (ASU). (\$3,000)
- 2000: Donald W. Sink Outstanding Scholar Award (ASU). (\$1,000)
- 1999: Wachovia Faculty Award for Environmental Research (ASU). (\$500)
- 1998: Nominated for the College of Arts and Sciences Academy of Outstanding Teachers (ASU).
- 1998: Mentor for the third place thesis of P. Taylor Dellinger, Cratis Williams Thesis Award (ASU).
- 1996: Nominated for the Distinguished Graduate Faculty Award, 1995-1996 (ASU).

- 1995: Nominated to the College of Arts and Sciences Academy of Outstanding Teachers (ASU).
- 1994: Selected to participate in the May/June Grant writing Workshop (ASU). (\$1,500)
- 1990: Winner of the 1989 Robert C. Anderson Dissertation Award, University of Georgia. (\$1,000)
- 1990: Nominated for the NSF Presidential Young Investigator Award, University of Alabama.
- 1989: Nominated for the NSF Presidential Young Investigator Award, University of Alabama.
- 1989: University of Alabama Incentive Award.
- 1987: Winner of the Ph.D. level Student Honors Competition, 42nd Annual Meeting of the Southeastern Division, Association of American Geographers.
- 1986: Outstanding Teaching Assistant Award, University of Georgia.
- 1984: Alumni Scholarship, Appalachian State University.
- 1983: Zigli Research Award, Appalachian State University. (\$50!)
- 1983: Alumni Scholarship, Appalachian State University.
- 1983: Julian Yoder Scholarship, Appalachian State University.

PROFESSIONAL SERVICE:

- 2023-2019 Editorial Board Member, *Southeastern Geographer*
- 2018 External Reviewer, Promotion Committee, Department of Geography and Geology, The University of Southern Mississippi
- 2018 Inclusive Excellence Focus Group, ASU
- 2014 MAP-works focus Group, ASU
- 2013 General Education Focus Group for Development of a Rubric for Evaluation of “Making Local to Global Connections,” ASU
- 2013 General Education Focus Group for Argument-based Writing, ASU

2013 General Education Focus Group for Assessment of Seniors, ASU

2013 General Education Focus Group for Writing, ASU

2012 Faculty Analysis of Student Learning in General Education Focus Group, ASU

2011 External Reviewer for Promotion, University of North Carolina Wilmington

2011 Science Inquiry Program Focus Group, ASU

2011 Science Inquiry Program Assessment Team, ASU

2010 General Education Focus Group for Theme Coordinators, ASU

2009 Panel Discussant, “The 11th Hour”, ASU (documentary film)

2024-1990 Editorial Board Member, *Climate Research*.

2010-1999 Editorial Board Member, *Southeastern Geographer*

2009-2004 Editorial Board Member, *Professional Geographer*

2008 Lecturer for an in-service teacher’s workshop on Global Change hosted by the Department of Geography and Planning, Appalachian State University

2005 Science Focus Seminar: Meteorology. Appalachian State University.

2004-2003 Chair, Best Article Committee, *Southeastern Geographer*

2005-2003 Audit Committee, Southeastern Division, Association of American Geographers

2003-2002 Best Article Committee, *Southeastern Geographer*

2002-2001 Steering Committee, Southeastern Division, Association of American Geographers.

2002-2001 Membership Committee, Southeastern Division, Association of American Geographers.

2002-2001 State Representative for North Carolina, Southeastern Division, Association of American Geographers.

2001 Chair, Association of American Geographers Research Grants Committee.

2000-1999 Association of American Geographers Research Grants Committee.

- 2000 Program Committee, Annual Meeting of the Southeastern Division, Association of American Geographers.
- 2023-1988 Manuscript reviewer for: *Geophysical Research Letters*; *International Journal of Climatology*; *Journal of Applied Meteorology and Climatology*; *Journal of Hydrology*; *Journal of Hydrometeorology*; *Climate Research*; *Journal of Biogeography*; *Journal of the American Water Resources Association*; *Northwest Science*; *Annals of the Association of American Geographers*; *Professional Geographer*, *Social Science Quarterly*; *Journal of Geography*; *Physical Geography*; *Southeastern Geographer*; *The North Carolina Geographer*; *AAG Snapshots*; *Focus*; *Rangeland Ecology and Management*; *Forests*; *Journal of Applied Geospatial Research*; *Journal of Geophysical Research-Atmospheres*; *Nature Climate Change*; *Science of the Total Environment*; *Global Change Biology*; *International Journal of Hydrometeorology* (~3 manuscripts reviewed/year).
- 2015, 2009, 2004, 2003, 1999, 1993 Proposal Reviewer for the National Science Foundation.
- 2008-1989 Paper discussant, 44th, 45th, 46th, 47th, 49th, 50th, 51st, 52nd, 54th, 55th, 57th, 58th, 62nd, 63rd annual Meetings of the Southeastern Division, AAG.
- 1997, 1996 Resolutions Committee member, Southeastern Division, Association of American Geographers.
- 1997 Lecturer for the "Science of Mapping Institute," an extended in-service teachers workshop funded by an Eisenhower Grant, Appalachian State University.
- 1997-1995 Department of Geography and Planning, ASU. Faculty overseer for the Meteorological Monitoring Project.
- 1996, 1995 Provided "Official", on-air meteorological forecasts for the Appalachian Sports Network for all ASU football games.
- 1995 Two-day in-service teacher's workshop "Meteorology: Weather or Not?" Sponsored by the ASU Mathematics and Science Education Center and the Catawba Science Center, Hickory, NC.
- 1995 Facilitator for a workshop on "Research and Professional Writing" sponsored by the William C. Hubbard Center, ASU (both Spring and Fall semester).
- 1995-1993 Served as a "consulting meteorologist" for the ASU Meteorological Monitoring Project.

- 1994 Presented a series of lectures on climatic change at a NIGEC-funded (National Institute for Global Environmental Change) teacher's workshop on Global Environmental Change at the University of Alabama.
- 1994 Gave a presentation on environmental career options in Geography and Planning at the Earth and ASU program sponsored by Career Development.
- 1993 Honors Committee, Southeastern Division, Association of American Geographers.
- 1993 Proposal reviewer for the Southeastern Regional Climate Center.
- 1993 Proposal reviewer for the U.S. Fish and Wildlife Service.
- 1993-1992 AAG Program Committee Member for the 1993 Atlanta Meeting.
- 1993-1990 Event Organizer, Regional Science Olympiad, University of Alabama, March 1990, 1991, 1992, 1993.
- 1992 Lecturer for a teacher's in-service workshop on "Aspects of Global Environmental Change." University of Alabama.
- 1989 Book Reviewer, Saunders College Publishing.
- 1988 Co-organizer and session chair: 3rd Annual Georgia- Florida Geography Conference, February 1988.

UNIVERSITY COMMITTEE SERVICE:

Appalachian State University (by academic year):

- 2023-24 APT (departmental); Post-Tenure Review Committee (departmental); Curriculum Committee (departmental).
- 2022-23 Departmental Personnel Committee (departmental); Post-Tenure Review Committee (departmental); Best Practices and FAQ (departmental).
- 2021-22 Faculty Senate (university); Parking and Traffic Advisory Board (university); Campus Planning Committee (university); Promotion and Tenure Committee (departmental). *Note: No committee service Fall 2021 due to being on OCSA.

- 2020-21 Faculty Senate (university); Inclusive Excellence Liaison (university, Spring only); Parking and Traffic Advisory Board (university); Campus Planning Committee (university); Theme Coordinator, Global Environmental Change Theme (university); Climate Action Committee (university); Classroom and Computer Committee (departmental); Departmental Personnel Committee (departmental); Remote Sensing Position Hiring Committee (departmental); Chair, Ad Hoc Committee on Faculty Senate Efficiency (university); Promotion and Tenure Committee (departmental).
- 2019-20 Faculty Senate (university); Inclusive Excellence Liaison (university); PARE Review Committee (university); Parking a Traffic Advisory Board (university); Campus Planning Committee (university); Theme Coordinator, Global Environmental Change Theme (university); Climate Action Committee (university); Classroom and Computer Committee (departmental); Chair, Social Committee (departmental); Post-Tenure Review Committee (departmental); Departmental Personnel Committee (departmental).
- 2018-19 Inclusive Excellence Liaison (university); PARE Review Committee (university); Faculty Senate (university); Campus Planning Committee (university); Theme Coordinator, Global Environmental Change Theme (university); Classroom and Computer Committee (departmental); Social Committee (departmental); Post-Tenure Review Committee (departmental); Departmental Personnel Committee (departmental).
- 2017-18 Chair, Geography Program Assessment Team (departmental); Departmental Curriculum Committee (departmental); Classroom and Computer Committee (departmental); Student Course Evaluation Committee (departmental); Social Committee (departmental); Post-Tenure Review Committee (departmental); Departmental Personnel Committee (departmental); PARE Review Committee (university); Faculty Awards Committee (university); GRAM Awards Committee (university); Theme Coordinator, Global Environmental Change Theme (university).
- 2016-17 Chair, Geography Program Assessment Team (departmental); Departmental Curriculum Committee (departmental); Classroom and Computer Committee (departmental); Hiring Committee, Cartography Position (departmental); Student Course Evaluation Committee (departmental); Social Committee (departmental); PARE Review Committee (university). Theme Coordinator, Global Environmental Change Theme (university).
- 2015-16 Chair, Geography Program Assessment Team (departmental); Classroom and Computer Committee (departmental); PARE Review Committee (university); Theme Coordinator, Global Environmental Change Theme (university). *Note, on OCSA fall 2015.

- 2014-15 Chair, Geography Program Assessment Team (departmental); Departmental Personnel Committee (departmental); Theme Coordinator, Global Environmental Change Theme (university); Post-Tenure Review Committee (departmental); Classroom and Computer Committee (departmental); Science Inquiry Perspective Faculty Coordinating Committee (university); Chair, Hiring Committee, Planning Position (departmental).
- 2013-14 Chair, Geography Program Assessment Team (departmental); Departmental Personnel Committee (departmental); Theme Coordinator, Global Environmental Change Theme (university); Post-Tenure Review Committee (departmental); Classroom and Computer Committee (departmental); Science Inquiry Perspective Faculty Coordinating Committee (university); Chair, Hiring Committee, Physical Geography Position (departmental). Hiring Committee, Planning Position (departmental).
- 2012-13 Chair, Geography Program Assessment Team (departmental); Graduate Program Committee (departmental); Departmental Personnel Committee (departmental); Theme Coordinator, Global Environmental Change Theme (university); Equal Opportunity Associate (departmental).
- 2011-12 Chair, Geography Program Assessment Team (departmental); Chair, Graduate Program Committee (departmental); Departmental Personnel Committee (departmental); Theme Coordinator, Global Environmental Change Theme (university); Equal Opportunity Associate (departmental); Human Geography Position Hiring Committee (departmental); Merit Document Committee (departmental); Post-Tenure Review Committee (departmental); Chair, Graduate Exam Committee (departmental)
- 2010-11 Chair, Classroom Equipment Committee (departmental), Speaker Committee (departmental), Graduate Program Committee (departmental), Social Committee (departmental). Departmental Personnel Committee (departmental), Theme Coordinator, Global Environmental Change Theme (university)
- 2009-10 Chair, Promotion and Tenure Guidelines Committee (departmental) (on OCSA)
- 2008-09 Chair, UNC GA Climate Change Committee (university), Donald W. Sink Outstanding Scholar Award Committee (college), Chair, Promotion and Tenure Guidelines Committee (departmental), Chair, Classroom Equipment Committee (departmental), Speaker Committee (departmental), Textbook Policy Committee (departmental).
- 2007-08 Donald W. Sink Outstanding Scholar Award Committee (college), Chair, Promotion and Tenure Guidelines Committee, Chair, Classroom Equipment Committee (departmental), Chair, Social Committee (departmental), Speaker Committee (departmental), Comprehensive Exams Committee (departmental), Textbook Policy Committee (departmental), Chair, Hiring Committee for Geography Lecture Position (departmental), Chair.

- 2006-07 Donald W. Sink Outstanding Scholar Award Committee (college), Chair, Promotion and Tenure Guidelines Committee, Chair, Classroom Equipment Committee (departmental), Chair, Social Committee (departmental), Speaker Committee (departmental), Comprehensive Exams Committee (departmental).
- 2005-06 Chair, Classroom Equipment Committee (departmental), Graduate Committee (departmental), Departmental Personnel Committee-alternate (departmental), Speaker Committee (departmental).
- 2004-05 Chair, Classroom Equipment Committee (departmental), Chair, Graduate Committee (departmental), Departmental Personnel Committee-alternate (departmental), Speaker Committee (departmental), Co-chair, Student Awards Committee (departmental).
- 2003-04 Chair, Classroom Equipment Committee (departmental), Graduate Committee (departmental), Departmental Personnel Committee-alternate (departmental), Speaker Committee (departmental).
- 2002-03 Departmental Personnel Committee (departmental), Chair, Classroom Equipment Committee (departmental), Graduate Committee (departmental), Speaker Committee (departmental).
- 2001-02 Departmental Personnel Committee (departmental), Classroom Equipment Committee (departmental), Chair, Graduate Committee (departmental), Speaker Committee (departmental), Chair, Honors and Awards Committee-Graduate (departmental), Departmental Chairperson Search Committee (departmental), Graduate School Scholarship Committee (university), Cratis Williams Outstanding Thesis Award Committee (university).
- 2000-01 University Research Council (university), Board of Trustees Travel Study Grant Committee (university), Chair, Office of Research and Sponsored Programs Strategic Plan Committee (university-wide), Graduate School Scholarship Committee (university), Patent and Copyright Committee (university), Promotion and Tenure Guidelines Revision Committee (departmental), Chair, Honors and Awards Committee (departmental), Chair, Graduate Committee (departmental), Teaching Evaluation Committee (departmental).
- 1999-00 Chair, Julian Yoder Scholarship Committee (departmental), Graduate Committee (departmental), Teaching Assistant Award Committee (departmental), University Research Council (university), Patent and Copyright Committee (university), Chair, Comprehensive Exams Committee (departmental), Chair, Office of Research and Sponsored Programs Strategic Plan Committee (university), Graduate School Scholarship Committee (university).

- 1998-99 Board of Trustees Travel Study Grant Committee (university), Excellence in Scholarship Award Committee (college), Chair, Julian Yoder Scholarship Committee (departmental), Departmental Personnel Committee (departmental), DPC Equal Opportunity Associate (departmental), Graduate Committee (departmental), Teaching Assistant Award Committee (departmental), Curriculum Committee (departmental), University Research Council (university), Patent and Copyright Committee (university), Computer Committee (departmental), Chair, Comprehensive Exams Committee (departmental).
- 1997-98 Excellence in Scholarship Award Committee (college). Chair, Julian Yoder Scholarship Committee (departmental), Departmental Personnel Committee (departmental), DPC Equal Opportunity Associate (departmental), Graduate Committee (departmental), Outstanding Graduate Teaching Assistant Committee (departmental), Curriculum Committee (departmental), Speaker Committee (departmental), Chair, Chairperson Search Committee (college).
- 1996-97 Excellence in Scholarship Award Committee (college). University Research Council Competitive Grants Committee (university-wide), Chair, Julian Yoder Scholarship Committee (departmental), Departmental Personnel Committee (departmental), DPC Equal Opportunity Officer (departmental) Graduate Committee (departmental), Outstanding Graduate Teaching Assistant Committee (departmental), Curriculum Committee (departmental), Speaker Committee (departmental), Appalachian Geographical Society Advisor (departmental), Gamma Theta Upsilon Advisor (departmental).
- 1995-96 Chair, Julian Yoder Scholarship Committee (departmental), Outstanding Graduate Teaching Assistant Committee (departmental), Honors Director for Geography and Planning, Curriculum Committee (departmental), Speaker Committee (departmental).
- 1994-95 Chancellor's Scholarship Committee (university), Julian Yoder Scholarship Committee (departmental), Outstanding Graduate Teaching Assistant Committee (departmental), Honors Director for Geography and Planning, Curriculum Committee (departmental).
- 1993-94 Julian Yoder Scholarship Committee (departmental), Outstanding Graduate Teaching Assistant Committee (departmental).

University of Alabama

- 1992-93 Energy Management Committee (university), Graduate Program Committee (departmental), Textbook Selection Committee (departmental).
- 1991-92 Energy Management Committee (university), Graduate Program Committee (departmental), Textbook Selection Committee (departmental), Chairperson Selection Committee (departmental).

1990-91 Energy Management Committee (university), Graduate Program Committee (departmental), Textbook Selection Committee (departmental).

1989-90 Graduate Program Committee (departmental), Space Allocation Committee (departmental).

PERSONAL:

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