CURRICULUM VITAE
February 17, 2026

CARY J. MOCK

ADDRESS

Department of Geography
University of South Carolina
Columbia, SC 29208

TELEPHONE & EMAIL

(803) 777-1211 (Office)
(803) 787-6109 (Home)
(803) 777-4972 (Fax)
mockcj@sc.edu

PERSONAL DATA

Birthdate: February 13, 1964
U.S. Citizen

EDUCATION

June 1994 Ph.D., Geography, University of Oregon
Aug. 1989 M.S., Geography, University of Utah
Aug. 1986 B.S., Geography, University of California, Davis

EMPLOYMENT

Jan. 2013-present. Full Professor. Department of Geography, and Associated Faculty, Environment and Sustainability Program; and Institute for Southern Studies, University of South Carolina. Teaching and research in paleo- and synoptic climatology; quaternary and historical environments, climatic hazards, quantitative methods.

Spring 2010-Dec.2013. Associated Faculty, Marine Science Program, University of South Carolina.

Aug. 1999-Dec.2012. Assistant and Associate Professor, Department of Geography, and Associated Faculty, School of the Environment, University of South Carolina. Teaching and research in paleo- and synoptic climatology; quaternary and historical environments, quantitative methods, biogeography.

Aug. 2004-Aug. 2009. Adjunct Associate Professor, Department of Geosciences, University of Arkansas.

Aug. 1995-Aug. 1999. Research Associate, Department of Geography, University of Oregon. Synoptic climatology and late Quaternary environments of Northeast Asia and the western United States; historical climatology; climatic hazards.

June 1996-Sept. 1996 and Sept. 1997-Dec. 1997. Visiting Instructor, Department of Geography, University of Oregon. Global environmental change, climatology.

Jan. 1996-Dec. 1996. Research Associate (postdoc), Quaternary Research Center and Department of Geological Sciences, University of Washington. Late Quaternary climate and vegetation history of Beringia.

Sept. 1994-Aug. 1995. Visiting Assistant Professor, Department of Geology and Geography, University of Massachusetts. Introductory natural environments, climatology, biogeography.

Sept. 1991-Aug. 1994. Research Assistant, COHMAP (Cooperative Holocene Mapping Project). Late-Quaternary paleoclimatic variations and synoptic climatology of western North America.

Sept. 1990-June 1994. Teaching Assistant, Department of Geography, University of Oregon. Introductory and laboratory physical geography.

Aug. 1989-May 1990. Visiting Lecturer, Department of Geography, University of Nebraska-Lincoln. Introductory physical geography.

Sept. 1988-June 1989. Teaching Assistant, Department of Geography, University of Utah. Climatology and quantitative methods.

Sept. 1988-June 1989. Microcomputer Consultant, Sill Computer Center, College of Social and Behavioral Sciences, University of Utah. Microcomputer and statistical consulting.

RESEARCH INTERESTS

Historical Climatology
Synoptic Climatology
Paleoclimatology
Arctic and Alpine environments
Historical Environmental Change

TEACHING INTERESTS

Climatology and Meteorology
Historical Geography
Quaternary Environments
Applied Statistics

REFEREED ARTICLES, PROCEEDINGS PAPERS, AND RESEARCH REPORTS (GOOGLE SCHOLAR AT HTTPS://SCHOLAR.GOOGLE.COM/CITATIONS?USER=FHOKAKUAAAAJ&HL=EN)

In Press. Slonosky, V., C. Mock, and D.A. Kalashnikov. Years without summers and catastrophic floods: using archival observations and reanalysis data to understand extreme climate events. In: *Changing Climates, Changing Histories* (T.Beach and D. Degroot, eds.), Dumbarton Oaks/Harvard University Press.

2025 Mock, C.J. Perspective. Extreme Weather and Climate in the Late Little Ice Age. In: *Extreme Weather and Climate Change,* Bloomsbury Academic (M. Groves ed.), pp. 109-114.

2025 Shinker, J.J. and C.J. Mock. Modern synoptic and late Quaternary climate analog approaches in paleoclimatology. In: Elias, S. (eds.)Encyclopedia of Quaternary Science, 3rd Edition. vol. 4, pp. 17-30. UK: Elsevier.

2023 Gavin, D.G., P.J. Bartlein, and C.J. Mock. Historical archives reveal record rainfall and severe flooding in December 1867 resulting from an atmospheric river and snowmelt, Western Washington, USA. *Plos Climate*. https://doi.org/10.1371/journal.pclm.0000324

2021 Schadt, N. and Mock C.J. The Children's Blizzard of 1888 and Bygone Cold Events. In: *Greater Yellowstone Climate Assessment* (S. Hosteler, C. Whitlock, B. Schuman, D. Leifort, and C.W. Drimal eds.), Montana State University, Montana Institute on Ecosystems, pp. 30-31.

2021 Cerrito, E., C.J. Mock, and J.M. Collins. The Great Havana Hurricane of 1846: A Reconstruction of the Storm's Track, Intensity, and Impacts. *Annals of the Association of American Geographers* 111:6, 1585-1601, DOI: 10.1080/24694452.2020.1838257

2021 Schauer, A.R., J. Hendrikx, K.W. Birkeland, and C.J. Mock. Synoptic atmospheric circulation patterns associated with deep persistent slab avalanches in the western United States. *Natural Hazards and Earth System Sciences* 21, 757–774, https://doi.org/10.5194/nhess-21-757-2021.

2021 Slivinski, L.C. and 43 others (am listed alphabetically after the first five authors). An evaluation of the performance of the Twentieth Century Reanalysis Version 3. *Journal of Climate* 34(4): 1417-1438. DOI: https//doi,org/10.1175/CLI-D-20-505.1

2020 Cheval, S., A. Haliuc, B. Antonescu, A. Tiscovschi, M. Dobre, F. Tatui, A. Dumitrescu, A. Manea, G. Tudorache, A. Irimescu, N-V Birsan, and C. Mock.

Enriching the historical meteorological information using Romanian newspaper reports. *International Journal of Climatology*. https://doi.org/10.1002/joc.6709.

2020 Mock, C., M. Prescott, K. Greer, S. Naylor, K. Hemsworth, S. Morrison, M. Maddison-MacFadyen, and A. Csank. Historical Geographies of Extreme Weather Events: Using the Archives to Retrace the 1839 Hurricane in the British North Atlantic. North Bay: Centre for Understanding Semi-Peripheries (CUSP), Nipissing University, Canada.

2019 Slivinski, L.C. and 46 others (included in the list alphabetically). Towards a more reliable historical reanalysis: Improvements for version 3 of the Twentieth Century Reanalysis system. *Quarterly Journal of the Royal Meteorological Society* 145 (724): 2876-2908. DOI: 10.1002/qj.3598

2018 Grossman, M.J., M. Zaiki, T. Mikami, and C. Mock. "Reconstructing Typhoons Affecting Japan in 1877." *Journal of Geography* (Chigaku Zasshi, Japan): 127(4) 457-470. doi:10.5026/jgeography.127.457

2017 Franke J., L. Di Marco, M. Pickl, C. Mock, K. Wood, and S. Brönnimann. "The Sitka "Hurricane" in south-eastern Alaska in the year 1880." In: Brönnimann, S. (Ed.) Historical Weather Extremes in Reanalyses. *Geographica Bernensia* G92, pp. 59-67, DOI: 10.4480/GB2017.G92.05.

2017 Marlon, J. R., N. Pederson, C. Nolan, S. Goring, B. Shuman, A. Robertson, R. Booth, P.J. Bartlein, M A. Berke, M. Clifford, E. Cook, A. Dieffenbacher-Krall, M.C. Dietze, A. Hessl, J. Bradford Hubeny, S.T. Jackson, J. Marsicek, J. McLachlan, C.J. Mock, D. J.P. Moore, J. Nichols, D. Peteet, J. Schaefer, V. Trouet, C. Umbanhowar, J. W. Williams, and Z. Yu. "Paleoclimate of the Northeastern United States during the past 3000 years." *Climate of the Past* 13: 1355–1379, https://doi.org/10.5194/cp-13-1355-2017

2017 Mock, C.J. "The Temporal Memory of Major Hurricanes." In: *Cultural Histories, Memories and Extreme Weather* (G. Endfield and L. Veale, eds.). Routledge, Taylor & Francis, London and New York, pp. 78-92.

2017 Mock, C.J. "History of Climatology." In: *The International Encyclopedia of Geography* (D. Richardson, N. Castree, M.F. Goodchild, A.L. Kobayashi, W. Liu, and R. Marston, eds.), John Wiley & Sons, Ltd. DOI: 10.1002/9781118786352.wbieg0895

2016 Mock, C.J., K. Carter, and K.W. Birkeland. "Some perspectives on Avalanche Climatology." *Annals of the Association of American Geographers* DOI: 10.1080/24694452.2016.1203285

2015 Brugnara, Y., R. Auchman, S. Brönnimann, R.J. Allan, I. Auer, M. Barriendos, H. Bergström, J. Bhend, R. Brázdil, G.P. Compo, R.C. Cornes, F. Dominguez-Castro, A.F.V. van Engelen, J. Filipiak, J. Holopainen, M. Kunz, J. Luterbacher, M. Maugeri, L. Mercalli, A. Moberg, C.J. Mock, G. Pichard, L. Reznickova, G. van der Schrier, V. Slonosky, Z. Ustrnul, M.A. Valente, P. Winkler, A. Wypych, and X. Yin. A collection of sub-daily pressure and temperature observations for the early instrumental period with a focus on the "Year Without a Summer" 1816. *Climate of the Past* 11: 1027-1047.

2015 Cram, T. and 46 others (included in the list alphabetically). "The International Surface Pressure Databank." *Geoscience Data Journal* 2: 31-46.

2015 Mock, C.J. "Climate and History." In: *The Princeton Companion to Atlantic History* (J. Miller, ed.). Princeton University Press, Princeton and Oxford, pp 104-107.

2014 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, D.A. Orwig, H.E. Rieder, and B.I. Cook. "The legacy of episodic climatic events in shaping temperate, broadleaf forests." Ecological Monographs 84(4): 559-620.

2013 Hall, A.W., M. Crisfafulli, K. Johnson, B. Rogoff, and C. Mock. "Mystery of the Confederate Deep." *Civil War Monitor* 8(4): 45-55.

2013 Chenoweth, M. and C.J. Mock. "Hurricane "Amanda": Re-discovery of a Forgotten U.S. Civil War Florida Hurricane. *Bulletin of the American Meteorological Society* 94: 1735-1742.

2013 Mock, C.J. and J.J Shinker. "Modern analogs of past climates." In: *The Encyclopedia of Quaternary Science* (S. Elias and C.J. Mock, Chief Editors), Elsevier Press, U.K., pp. 102-112.

2012 Mock, C.J. Climate and Weather. In*: The New Encyclopedia of Southern Culture, Science and Medicine, Vol., 22* (J. G.Thomas and C. Reagan Wilson, eds.), University of North Carolina Press, pp. 54-57.

2012 Mock, C.J. Instrumental and documentary evidence of environmental change. In: *The Sage Handbook of Environmental Change* (J.A. Matthews, P.J. Bartlein, K.R. Briffa, A.G. Dawson, A. de Vernal, T. Denham, S.C. Fritz, and F. Oldfield, eds.), Sage Publications Ltd., London, pp. 345-360.

2010 Mock, C.J., M. Chenoweth, I. Altamirano, M.D. Rodgers, and R. García-Herrera. "The Great New Orleans Hurricane of 1812." *Bulletin of the American Meteorological Society* 91: 1653-1663.

2010 Burnette, D.J., D.W. Stahle, and C.J. Mock. "A 180-year Daily Temperature Record for Kansas." *Journal of Climate* 23: 1308-1333.

2010 Lawson, M.P., R. Cervany, and C.J. Mock. "Pike's altered climate: Did the great explorer Zebulon Pike purposely mislead people about the climate of the American Great Plains?"*Weatherwise* 63: 26-33.

2009 Blanton, D.B., M. Chenoweth, and C.J. Mock. "The Great Flood of 1771: An Explanation of Natural Causes and Social Effects." In: *Historical climate variability and impacts in North America*. L.A. Dupigny-Giroux and C.J. Mock (editors). Springer Publishers, New York, Dordrecht, pp. 3-21.

2009 Mojzisek, J. and C.J. Mock. "Historical changes to the Tennessee Precipitation Regime" In: *Historical climate variability and impacts in North America*. L.A. Dupigny-Giroux and C.J. Mock (editors). Springer Publishers, New York, Dordrecht, pp. 23-34.

2009 Mock, C.J. and S.F. Dodds. "The Sitka Hurricane of 1880." In: *Historical climate variability and impacts in North America*. L.A. Dupigny-Giroux and C.J. Mock (editors). Springer Publishers, New York, Dordrecht, pp. 99-106.

2009 Dodds, S.F., D.J. Burnette, and C.J. Mock. "Historical Accounts of the Drought and Hurricane Season of 1860." In: *Historical climate variability and impacts in North America*. L.A. Dupigny-Giroux and C.J. Mock (editors). Springer Publishers, New York, Dordrecht, pp. 61-77.

2009 Wheeler, D., Vaquero, J.M., R. García-Herrera, M. Chenoweth and C.J. Mock. Reconstruction of August 1680 Hurricane trajectory: the earliest documented extratropical transition?" *Bulletin of the American Meteorological Society* 90: 971-978.

2008 Kokorawski, H.D., P.M. Anderson, C.J. Mock, and A.V. Lozhkin. "A Re-Evaluation and Spatial Analysis of Evidence for a Younger Dryas Climatic Reversal in Beringia." *Quaternary Science Reviews* 27: 1710-1722.

2008 Landsea, C.W., D.A. Glenn, W. Bredemeyer, M. Chenoweth, R. Ellis, J. Gamache, L. Hufstetler, C. Mock, R. Perez, R. Prieto, J. Sánchez-Sesma, D. Thomas, and L. Woolcock. "A Reanalysis of the 1911 to 1920 Atlantic Hurricane Database." *Journal of Climate* 21: 2138-2168.

2008 Mock, C.J. "Tropical Cyclone Variations in Louisiana, U.S.A. since the Late Eighteenth Century." *Geochemistry, Geophysics, and Geosystems* 9, Q05V02, doi:10.1029/2007GC001846.

2008 Vaquero, J.M., R. García-Herrera, D. Wheeler, M. Chenoweth and C. Mock. "An Historical Analogue of 2005 Hurricane Vince." *Bulletin of the American Meteorological Society* 89: 191-201.

2007 Mock, C.J., J. Mojzisek, M. Chenoweth, M. McWaters, and D.W. Stahle. "The winter of 1827-1828 over eastern North America: a season of extraordinary climatic anomalies, societal impacts, and false spring." *Climatic Change* 81: 87-115.

2007 Mock, C.J. Paleodrought and Society. In: *The Encyclopedia of Quaternary Science* (S. Elias, Chief Editor), Elsevier Press, U.K., pp. 1959-1966.

2007 Mock, C.J. Paleo-ENSO and teleconnections. In: *The Encyclopedia of Quaternary Science* (S. Elias, Chief Editor), Elsevier Press, U.K., pp. 1935-1942.

2007 Mock, C.J. Overview of Paleoclimatology. In: *The Encyclopedia of Quaternary Science* (S. Elias, Chief Editor), Elsevier Press, U.K., pp. 1867-1872.

2006 Miller, D.L., C.I. Mora, H.D. Grissino-Mayer, C.J. Mock, M.E. Uhle, and Z. Shar. "A proxy record of tropical cyclones preserved in the oxygen isotopes of tree-ring cellulose." *Proceedings of the National Academy of Sciences* 103(39): 14294-14297.

2006 Mock, C.J. "Some comments on reconstructing the historical climate of California," U.S.A. *Nuovo Cimento* 29(1): 55-63.

2004 Mock, C.J. "Tropical cyclone reconstructions from documentary records; examples from South Carolina. In: *Hurricanes and Typhoons: Past, Present, and Future,* pp. 121-148, (R. J. Murnane and K.B. Liu eds.), Columbia University Press.

2004 Mock, C.J., D.O. Mayes, J. Mojzisek, M. McWaters, and M. Chenoweth. "Reconstructing South Carolina Tropical Cyclones back to the Mid Eighteenth Century." In: *Preprints, Twenty Sixth Conference on Hurricanes and Tropical Meteorology*, Miami Beach, FL. American Meteorological Society, Boston MA, pp. 671-672.

2004 Kaufman, D.S., T.A. Ager, N.J. Anderson, P.M. Anderson, J.T. Andrews, P.J. Bartlein, L.B. Brubaker, L.L. Coats, L.C. Cwynar, M.L. Duvall, A.S. Dyke, M.E. Edwards, K. Gajewski, A. Geirsdóttir, F.S. Hu, A.E. Jennings, M.R. Kaplan, M.W. Kerwin. A.V. Lozhkin, G.M. MacDonald, G.H. Miller, C.J. Mock, W.W. Oswald, B.L. Otto-Bliesner, K. Rühland, J.P. Smol, E.J. Steig, and B.B. Wolfe. "Holocene Thermal Maximum in the Western Arctic." *Quaternary Science Reviews* 23: 529-560.

2002 Mock, C.J. Regional climates of Russia. In: *Late Quaternary Vegetation and Climate of Siberia and the Russian Far East* (P.M. Anderson and A. Lozhkin, eds.), pp. 17-26. Northeast Science Center, Far East Branch, Russian Academy of Sciences. Magadan, Russia.

2001 Birkeland, K.W. and C.J. Mock. "The major snow avalanche cycle of February 1986 in the western United States." *Natural Hazards* 24: 75-95.

2001 Birkeland, K.W., C.J. Mock, and J.J. Shinker. "Extreme Avalanche Hazard Events and Atmospheric Circulation Patterns." *Annals of Glaciology* 32: 135-140.

2001 Mock, C.J., and M.P. Lawson. "Meteorological experiences, climatic variability, and Overland Trail emigrants." *Journal of the West* 40: 10-17.

2001 Prentice, I.C. and BIOME 6000 participants. Mid-Holocene and glacial-maximum vegetation geography of the northern continents and Africa. *Journal of Biogeography* 27: 507-519.

2001 Edwards, M.E., C.J. Mock, B.P. Finney, V. Barber, and P.J. Bartlein. "Potential analogues for paleoclimatic variations in eastern interior Alaska for the past 14,000 years: atmospheric-circulation controls of regional temperature and moisture responses." *Quaternary Science Reviews* 20: 189-202.

2000 Edwards, M.E., P.M. Anderson, L.B. Brubaker, T. Ager, A.A. Andreev, N.H. Bigelow, L.C. Cwynar, W.R. Eisner, S.P Harrison, F.S. Hu, D. Jolly, A.V. Lozhkin, G.M. MacDonald, C.J. Mock, J.C. Ritchie, A.V. Sher, R.W. Spear, J. Williams, and G. Yu. "Pollen-based biomes for Beringia at 18,000, 6000, and 0 14C yr B.P." *Journal of Biogeography* 27: 521-544.

2000 Mock, C.J. and K.W. Birkeland. "Snow avalanche climatology of the western United States mountain ranges." *Bulletin of the American Meteorological Society* 81: 2367-2392.

2000 Mock, C.J., K.W. Birkeland, and G.J. Gress. "Snow avalanche climatic extremes; two examples in the western United States." In: *Proceedings of the Sixteenth Annual Pacific Climate (PACLIM) Workshop,* (J.G. West and L. Buffaloe, eds.), Interagency Ecological Program, Technical Report 65, California Department of Water Resources, pp. 147-152.

2000 Mock, C.J. "Rainfall in the Garden of the U.S. Great Plains, 1870-1889." *Climatic Change* 44: 173-195.

1999 Duvall, M.L., T.A. Ager, P.M. Anderson, P.J. Bartlein, N.H. Bigelow, J.B. Grette, L.B. Brubaker, L.C. Cwynar, M.E. Edwards, W.R. Eisner, S.A. Elias, B.P. Finney, O.Y. Glushkova, F.S. Hu, D.S. Kaufman, A.V. Lozhkin, C.J. Mock, M.A. Trumpe,

and R.S. Webb. Paleoenvironmental Atlas of Beringia: A regional data synthesis presented in an electronic form. *Quaternary Research* 52: 270-271.

1999 Mock, C.J. and A.R. Brunelle-Daines. "A modern analogue of western United States summer paleoclimate at 6000 years before present." *The Holocene* 9: 541-545.

1999 Mock, C.J. and K.W. Birkeland. "Avalanche climatic regions of the western United States; an update." *The Avalanche Review* 17: 6-7.

1998 Mock, C.J., P.J. Bartlein, and P.M. Anderson. "Atmospheric circulation patterns and spatial climatic variations in Beringia." *International Journal of Climatology* 18: 1085-1104.

1998 Bartlein, P.J., P.M. Anderson, K.H. Anderson, M.E. Edwards, C.J. Mock, R.S. Thompson, R.S. Webb, T. Webb III, and C. Whitlock. "Paleoclimate simulations for North America over the past 21,000 years: features of the simulated climate and comparisons with paleoenvironmental data." *Quaternary Science Reviews* 17: 549-585.

1997 Mock, C.J. and P.M. Anderson. "Some perspectives on the late Quaternary paleoclimate of Beringia." In: *Proceedings of the Thirteenth Annual Pacific Climate (PACLIM) Workshop,* (C.M. Isaacs and V. Tharp, eds.), Interagency Ecological Program, Technical Report 53, California Department of Water Resources, pp. 193-200.

1996 Mock, C.J. "Avalanche climatology of Alyeska, Alaska, U.S.A." *Arctic and Alpine Research* 28: 502-508.

1996 Birkeland, K.W. and C.J. Mock. "Atmospheric circulation patterns and associated heavy snowfall events, Bridger Bowl, MT, U.S.A." *Mountain Research and Development* 16: 281-286.

1996 Mock, C.J. "Climatic controls and spatial variations of precipitation in the western United States." *Journal of Climate* 9: 1111-1125.

1995 Mock, C.J. and P.J. Bartlein. "Spatial variability of late-Quaternary paleoclimates in the western United States." *Quaternary Research* 44: 425-433.

1995 Mock, C.J. "Avalanche climatology of the continental zone of the southern Rocky Mountains, U.S.A." *Physical Geography* 16: 165-187.

1995 Mock, C.J. "Climatology of the seasonal precipitation maximum in the western United States." In: *Proceedings of the Eleventh Annual Pacific Climate (PACLIM) Workshop,* (C.M. Isaacs and V. Tharp, eds.), Interagency Ecological

Program, Technical Report 40, California Department of Water Resources, pp. 161-170.

1994 Mock, C.J., "Modern climate analogues of late-Quaternary paleoclimates for the western United States." Ph.D. Dissertation, Department of Geography, University of Oregon, Eugene, OR.

1994 Mock, C.J. "Synoptic climatological aspects of late-Quaternary paleoclimates of the western United States." In: *Sixth Conference on Climatic Variations, Nashville, TN*. American Meteorological Society, Boston, MA, pp. 124-128.

1993 Mock, C.J. "Avalanche climate and variations in the West, an overview." *The Avalanche Review* 12: 4-7.

1992 Mock. C.J. and P.A. Kay. "Avalanche climatology of the western United States, with an emphasis on Alta, Utah." *The Professional Geographer* 44: 307-318.

1991 Mock, C.J. "Drought and precipitation fluctuations in the Great Plains, U.S.A. during the late nineteenth century." *Great Plains Research* 1: 26-57.

1991 Mock, C.J. "Historical evidence of a cold dry summer in the northeastern Great Basin and adjacent Rocky Mountains during the summer of 1849." *Climatic Change* 18: 37-66.

1989 Mock, C.J. "Historical climates of the northeastern Great Basin and adjacent Rocky Mountains." Masters thesis, Department of Geography, University of Utah. Salt Lake City, UT.

BOOKS AND EDITED VOLUMES

Under Contract. *Hurricane History of South Carolina.* University of South Carolina Press. Columbia, S.C.

2013 *The Encyclopedia of Quaternary Science* (S. Elias and C.J. Mock, Eds.), Elsevier Press. Co-Chief Editor of the entire 5 set volume.

2009 *Historical Climate Variability and Impacts in North America*. L.A. Dupigny-Giroux and C.J. Mock (editors). Springer Publishers, New York-Dordrecht.

2007 Associate Editor, Quaternary Paleoclimatology, *The Encyclopedia of Quaternary Science* (S. Elias, Chief Editor, Elsevier Press). Paleoclimate Editor in charge of editing approximately 25 articles.

OTHER PUBLICATIONS

2024 Mock, C.J. "How Hurricane Helene became a deadly disaster across six states." *The Conversation*. October 6, 2024. https://theconversation.com/how-hurricane-helene-became-a-deadly-disaster-across-six-states-240522

2019 Mock, C.J. "Reflections on Jeanne Kay-Guelke and Richard White from a Historical Climatologist." *Past Place* 5: 19-20.

2016 Mock, C.J. "2016 Distinguished Career Award Recipient Pat Bartlein, University of Oregon." *The Quaternary Times* (November): 4-5.

2015 Mock, C.J. Review of "Lake Effect: Tales of Large Lakes, Arctic Winds, and Recurrent Snows." *Geographical Review* 105(1): 128-129.

2008 Mock, C.J. Review of "Lowcountry hurricanes, three centuries of storms at sea and ashore." *Bulletin of the American Meteorological Society* 89: 1585-1587.

2008 Mock, C.J. "South Carolina June tropical cyclones." South Carolina Weather Calendar, 2008. South Carolina Office of Climatology. Columbia, SC.

2005 Mock, C.J. Review of "Leaning into the Wind, A Memoir of Midwest Weather." *Journal of the West* 44(1): 103.

2005 Mock, C.J. "Once upon a front … Historical record keeping." Published in South Carolina Weather Calendar, 2005. South Carolina Office of Climatology. Columbia, SC.

2004 Springer, A., D. Williams, E. Karabonov, and C. Mock. "Paleotempestology in the Carolinas; a calibration of the sedimentary historical record." In: Current Research, Monitoring, and Educational Projects 2004. Belle W. Baruch Institute for Marine and Coastal Sciences. University of South Carolina, Columbia, SC, pp. 14-15.

2004 Mock, C.J. Review of "Draining the Great Oasis, An environmental history of Murray County, Minnesota." *Environmental History* 9: 320-321.

2002 Mock, C.J. "The 17th Biennial Meeting at Anchorage, Alaska, August 8-11, 2002." *The Quaternary Times* 32(2): 1-3.

2002 Mock, C.J. "Documentary Records of Past Climate and Tropical Cyclones from the Southeastern United States." *PAGES News* 10: 20-21.

2002 Mock, C.J. Report on "Workshop on Atlantic Basin Paleohurricane Reconstructions from High Resolution Records." *The Quaternary Times* 32: 7.

2002 Finney, B., M. Edwards, N. Bigelow, V. Barber, and C. Mock. "Late Quaternary Paleohydrology in Eastern Beringa: A Multidisciplinary Study - Phase I." *Paleotimes* 10: 13.

2001 Anderson, P.M., L. Brubaker, C. Mock, P. Bartlein, A. Lozhkin, O. Glushkova, O. Grinenko, A. Kotov, and M. Trumpe. "Paleoclimate and paleovegetation of Western Beringia." *Witness the Arctic* 8(2): 8.

1999 Mock, C.J. "Some synoptic climatic perspectives on paleoclimatic variations in western Beringia." *Paleotimes* 7: 20-23.

1998 Mock, C.J. and P.J. Bartlein. "A perspective on modern analogues of the late Quaternary paleoclimate of Beringia." *Paleotimes* 6: 9-10.

1996 Mock, C.J. "Modern circulation controls and some implications for assessing paleoclimatic variations in Beringia." In: *Third Annual Paleoclimates from Arctic Lakes and Estuaries (PALE) PI Abstract Volume,* Institute of Arctic and Alpine Research, Boulder, CO, pp. 10-13.

CONFERENCE PAPERS AND PRESENTATIONS

2026 Mock, C.J. "Reanalysis of Historical Tropical Cyclones of the North Pacific Ocean." To be presented at the 37th Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. San Diego, CA.

2026 Mock, C.J. "The Extreme Weather, Floods, and Atmospheric Rivers of 1861-1862 for the Far Western States." To be presented at the *Association of American Geographers 118th Annual Meeting.* San Francisco, CA.

2025 Mock, C.J. "Tropical Cyclone Reconstruction and Ship Logbook Data to Produce Northwestern Pacific TC Records for the Last Few Hundred Years." Presented at the 15th International Atmospheric Circulation Reconstructions over the Earth (ACRE) Workshop. Singapore (participation online).

2025 Mock, C.J. and E. Gibney. "The Atlantic Hurricane Season of 1837 and the Late Little Ice Age." Presented at the Symposium on Hurricane Risk in a Changing Climate (SHRCC), Clearwater, FL. (invited).

2024 Mock, C.J. "Hawaii Tropical Cyclone History since 1824." Presented at the Symposium on Hurricane Risk in a Changing Climate (SHRCC), Honolulu, HI. (invited).

2024 Mock, C.J. "Hawaii Kona Storms and Gales since 1824." Presented at the *Association of American Geographers 117th Annual Meeting.* Honolulu, HI.

2023 Mock, C.J. "300 Years of Louisiana Hurricane History." Presented at the 2023 National Hurricane Conference. New Orleans, LA.

2023 Mock, C.J., G. Hamilton, H. Pollien, P. Sutton, and J. Warren. Snow Avalanche Extremes and Climate for Northern Utah in the late 19th Century. Presented at the *Association of American Geographers 118th Annual Meeting.* Denver, CO.

2022 Mock, C.J. Tropical Cyclone Histories and Society, Testing Two Hypotheses." Presented at the *Association of American Geographers 117th Annual Meeting.* New York.

2022 Farmer, T.G., G.N. Leatherman, L. Hutchens, C. Jurkowski, C.J. Mock, and E.K. Wise. "The Extreme Weather in California during the Winter of 1852-1853." Presented at the *Association of American Geographers 117th Annual Meeting.* New York.

2022 Wise, E., C. Jurkowski, and C.J. Mock. "Resolving records of climate extremes in western North America climate at the end of the Little Ice Age using tree-ring, reanalysis, and historical data." Presented at the *Association of American Geographers 117th Annual Meeting.* New York.

2020 Mock, C.J. "Hurricanes that changed history." Panelist at the 2020 National Tropical Weather Conference (with C. Landsea, P. Klotzbach, and E. Dolin, virtually). South Padre Island, TX.

2019 Slonosky, V., R. Allan, C. Mock, N. Westcott, P. Brohan, L.A. Dupigny-Giroux, M. Benoy, L. Silvinski, J. Luterbacher, P. Siegmund, L. Ashcroft, J. Vaquero, S. Bronnimann, Y. Brugnara, G. Compo, and Y. Yin. "Global Historical Climate Data Rescue: The Past Twenty Years." Presented at the 27th International Union of Geodesy and Geophysics Union General Assembly, Montréal Québec.

2019 Mock, C.J., L.M. Hutchens, and E.M. Reck. "Extreme Daily Weather Events and Climate Change in the Late Little Ice Age." Presented at the 2019 Fall Meeting of the American Geophysical Union, San Francisco, CA.

2019 Hutchens, L.G., E.M. Reck, and C.J. Mock. "Reconstructing Climate and Weather Extremes of California." Presented at the *Association of American Geographers 114th Annual Meeting.* Washington, DC. [also presented at Discover USC, April 2019].

2019 Greer K., C. Mock, A. Csank , V. Slonosky , and S. Naylor. "Historical Geographies of Extreme Weather Events: Using the Archives to Retrace the 1839 Hurricane in the British North Atlantic." Presented at the *Association of American Geographers 114th Annual Meeting.* Washington, DC.

2019 Mock, C.J. "Weather Extremes and Historical Climatology of the U.S. West Coast in the Nineteenth Century. Presented at the 29th Pacific Climate (PACLIM) Workshop. Asilomar, CA. [invited keynote speaker].

2018 Pederson, N., C. Keady, C. Mock, M. Ross Alexander, M.K. Lau, M. Hopton-Ahmed, D. Druckenbrod, D. Martin Benito, D. Orwig, B. Poulter, K.M. Renwick, H.H. Shugart, and E. Boose. "Strange days and their changeling legacies in the life of trees in temperate mesic forests." Presented at the Ecological Society of American, 103rd Annual Meeting. New Orleans, LA.

2018 Cerrito, E., C.J. Mock, and J. Collins. "Reconstructing Historical Hurricane Tracks in the Atlantic Basin: Three Case Studies from the 1840s." Presented at the *Association of American Geographers 113th Annual Meeting.* New Orleans, LA.

2018 Mock, C.J. "USA Hurricanes in the Last Several Centuries." Presented at the *Association of American Geographers 113th Annual Meeting.* New Orleans, LA.

2017 Mock, C.J. "A Historical Reconstruction of Storms and Gales for the Hawaiian Islands." Presented at the Workshop: Using High Resolution Paleoclimate Reconstructions Since AD 1500 in Support of Research on Environmental/Societal Change in Hawaii. University of Hawaii-Manoa.

2017 Mock, C.J. "Historical Climatology, Paleoclimatology, Extreme Events, and Society." Presented at the *Association of American Geographers 112th Annual Meeting.* Boston, MA.

2017 Mock, C.J. "Tropical Cyclone Variations of the last few Centuries from Historical Records." Presented at the Fourth Santa Fe Conference on Global and Regional Climate Variability. Santa Fe, NM. (invited).

2016 Mock, C.J. "Heavy Precipitation, Floods, and Historical Climatology of the Southeast United States." Presented at the 71st Annual Southeast Division of the Association of American Geographers Meeting. Columbia, SC.

2016 Mock, C.J. C.W. Landsea, and S. Delgado. "The Atlantic hurricane seasons of 1837 and 1838." Presented at the 32ndt Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. San Juan, Puerto Rico.

2016 Mock, C.J. "Tropical cyclone history of the Hawaiian Islands." Presented at the *Association of American Geographers 111th Annual Meeting.* San Francisco, CA.

2016 Mock, C.J., P. Huff, M. McWaters, W. Schmitz, N. Pederson, and D.W. Stahle. "The Last Great Widespread Killing Frost Event in the American South."

Presented at the Mini-Technical Conference Palmetto Chapter of the American Meteorological Society. Columbia, SC.

2016 Mock, C.J. "Some Perspectives on Historical Climatology, Extreme Events, and Society." Presented at the 96th Annual Meeting of the American Meteorological Society, 14th History Symposium. New Orleans, Louisiana.

2016 Carter, K.C. and C.J. Mock. "Synoptic Climatology of Extreme Snow and Avalanche Events in Southern Alaska." Presented at the 96th Annual Meeting of the American Meteorological Society, 22nd Conference on Applied Climatology. New Orleans, Louisiana.

2015 Pederson, N., J. Dyer, A. Hessl, D.M. Benito, R. McEwan, C. Mock, D. Orwig, H. Rieder, B. Cook, and D. Bishop. "Evidence of synchronous extreme disturbance in a rather stochastic system at regional to subcontinental scales." Presented at the Ecological Society of American, 2015 Annual Meeting. Baltimore, MD.

2015 Mock, C.J., D.O. Mayes, J.A. Simmons, E. Rohland, and L.B. Aviles. "A Temporal and Spatial Approach on the Memory of Hurricanes and Typhoons." Presented at the International Conference of Historical Geographers 2015, London, UK.

2015 Mock, C.J. "Myths & Lessons, Clearing up the Facts…The Racer's Storm of 1837 & Others." Presented at the 2015 National Hurricane Conference, Austin, TX.

2015 Carter, K.C., D.B. Goff, D.O. Mayes, and C.J. Mock. "South Carolina Snowfall Climatology." Presented at the Mini-Technical Conference Palmetto Chapter of the American Meteorological Society. Columbia, SC.

2014 Mock, C.J. and E. Rushton. "The Historical Climate Record of Belize." Presented at the 79th Annual Meeting, Society for American Archaeology. Austin, TX.

2014 Mock, C.J., M. McWaters, W. Schmitz, D. Stahle, and N. Pederson. "Historical Ecology and Historical Climatology." Presented at the *Association of American Geographers 109th Annual Meeting.* Tampa, FL.

2014 Mock, C.J. "The Historical Record of Hong Kong.Typhoons Since the Early Nineteenth Century." Presented at the 31st Conference on Hurricanes and Tropical Meteorology, American Meteorological Society. San Diego, CA.

2013 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, D.A. Orwig, H. Reider, and B. Cook. "Piercing together regional-scale dynamics from fragments of broadleaf-dominate forests in a humid region." Presented at the North American Forest Ecology Workshop. Bloomington, IN.

2013 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, D.A. Orwig, H. Reider, and B. Cook. "Regional-scale dynamics in humid, late Holocene broadleaf forests." Presented at the Second American Dendrochronology Conference. Tucson, AZ.

2013 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, D.A. Orwig, H. Reider, and B. Cook. "Regional-scale dynamics in humid, late Holocene broadleaf forests." Presented at the PAGES (Past Global Changes) 4th Open Science Meeting. Goa, India.

2012 Rawley, J and C.J. Mock. "The Effects of Mid-Latitude Ridges and Troughs on Atlantic Landfalling Tropical Cyclones." Presented at the 2012 South Carolina Academy of Sciences. Aiken, SC.

2012 Huff, P., C.J. Mock, and L.A. Dupigny-Giroux. "Atmospheric Circulation Patterns, Hurricane Irene, and Potential Historic Analogs." Presented at the 2012 South Carolina Academy of Sciences. Aiken, SC.

2012 Mock, C.J. "Typhoons in the Hong Kong area since 1827." Presented at the *Association of American Geographers 107th Annual Meeting.* New York.

2012 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, D.A. Orwig, H. Reider, and B. Cook. "A Black Swan and Sub-continental Scale Dynamics in Humid, Late-Holocene Broadleaf Forests." Presented at the 2012 Fall Meeting of the American Geophysical Union, San Francisco, CA.

2012 Pederson, N., J.M. Dyer, R.W. McEwan, A.E. Hessl, C.J. Mock, and D.A. Orwig. "Episodic Recruitment at Regional and Sub-continental Scales in Gap Dynamic Forests." Presented at Eco Summit. Columbus, OH.

2011 Mock, C.J., S. Feetham, S.F. Dodds, K.P. Wolff, and S.M. King. "Aspects of 19th Century Historical Climate for Hawaii and related Context with Western North America. Presented at the Workshop on Holocene Paleoclimate in the Hawaiian Islands and its Large-Scale Context. Kilauea Military Camp, Big Island, Hawaii.

2011 Mock, C.J. "The Interfaces Between Historical, Paleo-, and Modern Climatology." Presented at the 2011 Fall Meeting of the American Geophysical Union, San Francisco, CA (invited).

2011 Mock, C.J. and D. Burnette. "Meteorological Conditions during the CSS Hunley Event of February 1864, A Civil War Example of Climate Reconstruction." Presented at the Third Annual "UnCivil Wars" Conference "The Blue, the Grey, and the Green: Toward an Environmental History of the Civil War." Cobb House, Athens, GA.

2011 Mock, C.J. "Historical perspectives and developments on the reconstruction, analysis and societal impacts of tropical cyclones: A review." Presented at a Conference on Historical Climatology: Past and Future. Paris, France (Invited).

2011 Mock, C.J., V.C. Slonosky, D. J. Burnette, and L.A. Dupigny-Giroux. "A North American Perspective of Historical Climatology." Presented at the 28th INQUA Congress, Bern, Switzerland.

2011 Morris J.L., A. Brunelle, M.J. Power, C.J. Mock, and A.S. Munson. "High-resolution pollen and charcoal records of Holocene vegetative change and disturbance from wildfire and spruce beetle on the subalpine ranges and plateaus of southern Utah, USA." Presented at the 28th INQUA Congress, Bern, Switzerland.

2011 Mock, C.J. "Hurricane History and Societal Impacts of the Southeast U.S. Coast." Presented at the 2011 National Hurricane Conference, Atlanta, Georgia.

2011 Mock, C.J., S. Feetham, K. Perkins, and S.F. Dodds. "High Resolution Climatic Variations in Southeastern Alaska since the early Nineteenth Century." Presented at the *Association of American Geographers 107th Annual Meeting.* Seattle, WA.

2011 Morris J.L., A. Brunelle, A.S. Munson, M.J. Power, and C.J. Mock. "High-resolution Holocene records of vegetation change and disturbance from human, wildfire and spruce beetle on the subalpine ranges of the central and southern Utah, USA." Presented at the 5th International Conference, International Biogeography Society. Crete, Greece.

2010 Morris, J.L., C.J. Mock, Z. Lundeen, and A. Brunelle. "Modern perspectives on high resolution paleoclimate data from the eastern Great Basin, USA." Presented at the 2010 Geological Society of America Annual Meeting, Denver, CO.

2010 Mock, C.J. and V.C. Slonosky. "North America Historical Climate, Current Status and Comments." Presented at the 3rd International Atmospheric Circulation Reconstructions over the Earth (ACRE) Workshop. Baltimore, MD.

2010 Mock, C.J. and C.W. Landsea. "Using Historical Records to Reconstruct Hurricane Chronologies." Presented at the *Association of American Geographers 106th Annual Meeting.* Washington, D.C.

2009 Dodds, S.F. and C.J. Mock. "Reconstruction of Flooding Events for the Central Valley, California from Instrumental and Documentary Weather Records." Presented at the 2009 Fall Meeting of the American Geophysical Union, San Francisco, CA. Abstract #NH43B-1309.

2009 Mock, C.J. "Urban U.S. Hurricanes and History." Presented at the *Association of American Geographers 105th Annual Meeting.* Las Vegas, NV.

2009 Lawson, M.P, R. Cervany, and C.J. Mock. "A Geopolitical Perspective of Zebulon Pike's Geographical Knowledge of the Interior of Louisiana." Presented at the *Association of American Geographers 105th Annual Meeting.* Las Vegas, NV.

2008 Mock, C.J., S.F. Dodds, M.D. Rodgers, and A.J. Patwardhan. "Tropical Cyclones and Climate Controls in the Western Atlantic Basin during the First Half of the Nineteenth Century." Presented at the 2008 Fall Meeting of the American Geophysical Union, San Francisco, CA. Abstract published in *Eos Trans*. AGU, 89(53), Fall Meet. Suppl. Abstract #U11A-0009.

2008 Vaquero, J.M., R. García-Herrera, D. Wheeler, M. Chenoweth, and C. J. Mock. "Severe weather event in Iberia related to a Hurricane in 1842." European Meteorological Society (EMS) Annual Meeting, Abstracts, Vol. 5, EMS2008-A-00197, European Conference on Applied Climatology (ECAC). Amsterdam, The Netherlands. EMS8/ECAC7.

2008 Wheeler, D., R. García-Herrera, J.M. Vaquero, M. Chenoweth, and C. J. Mock. "Reconstructing hurricane histories: an example from. 1680." Abstract published in the European Meteorological Society (EMS) Annual Meeting, European Conference on Applied Climatology (ECAC). Amsterdam, The Netherlands.

2008 Mock, C.J. "1849, The Most Famous Year of Extreme Weather in American History." Presented at the *Association of American Geographers 104th Annual Meeting.* Boston, MA.

2008 Mock, C.J., M. Chenoweth, D.A. Glenn, S.F. Dodds, S.O. Holmberg, H.F. Young, J. Tanis, R.L. Murphy, L. J. Stroup, I.M. Altamirano, and C.W. Landsea. "Variations of Atlantic tropical cyclones and climate change since the mid eighteenth century." 88th Annual Meeting of the American Meteorological Society, Hurricanes and Tropical Meteorology Special Symposium. New Orleans, Louisiana.

2007 Mock, C.J. "Hurricanes and Climate Change, a Long Term View." South Carolina Presented at Geofest XXXIV. Geographic Alliance and Center of Excellence for Geographic Education. Columbia, SC. (Invited).

2007 Mock, C.J. "Historical climate reconstruction, paleoclimate, and society." Presented at the *Association of American Geographers 103rd Annual Meeting.* San Francisco, CA.

2006 Dodds, S.F. and C.J. Mock. "Historical sandstorms and climate change in the Yuma, Arizona region." Abstract published in *American Quaternary Association Program and Abstracts of the 19th Biennial Meeting.* Bozeman, Montana, p. 87.

2006 Landsea, C.W., S. Feuer, D.A. Glenn, W. Bredemeyer, M. Chenoweth, R. Ellis, J. Gamache, A. Hagen, L. Hufstetler, C. Mock, R. Perez, R. Prieto, J. Sánchez-Sesma, J. Sims, D. Thomas, and L. Woolcock. "The Atlantic basin hurricane database re-analysis for the decades of the 1910s, 1920s, and 1930s." Presented at the 27th Conference on Hurricanes and Tropical Meteorology. American Meteorology Society, Monterey, CA.

2006 Dodds, S.F. and C.J. Mock. "Some examples of nineteenth century historical flood reconstructions for California." Presented at the 22nd Pacific Climate (PACLIM) Workshop. Asilomar, CA.

2006 Mock, C.J., S.F. Dodds, S.O. Holmberg, N.R. Doner, and J.C. Derrick. "Dry regimes in historical climate records of the western United States." Presented at the 22nd Pacific Climate (PACLIM) Workshop. Asilomar, CA (invited).

2006 Mock, C.J., S.O. Holmberg, D.A. Glenn, S.F. Dodds, and J.R. Tanis. "Historical hurricane records of the Southeastern Atlantic Coast." Presented at the *Association of American Geographers 102nd Annual Meeting.* Chicago, IL.

2006 Shinker, J.J., P.J. Bartlein, and C.J. Mock, C.J. "Spatial and Temporal Variability of Western United States Climate." Presented at the *Association of American Geographers 102nd Annual Meeting.* Chicago, IL.

2006 Dodds, S.F. and C.J. Mock. Landfall reconstructions and impacts of hurricanes in southeast Louisiana from 1852-1860. Presented at the *Association of American Geographers 102nd Annual Meeting.* Chicago, IL.

2005 Mock, C.J., K.W. Birkeland, J.J. Shinker, and M. Bergen. "Snow Avalanche Climate and Extremes of the Western United States Mountain Ranges." Presented at the 2005 Fall Meeting of the American Geophysical Union, San Francisco, CA. Abstract #GC33A-1247.

2005 Mock, C.J., M. Hartman, and C.A. Woodhouse. "A Historical Climate Catalogue." Presented at the *Association of American Geographers 101st Annual Meeting.* Denver, CO.

2005 Doner, N.R., J.C. Derrick, and C.J. Mock. "A Reanalysis of Meteorological Conditions along the Overland Trails in 1849." Presented at the *Association of American Geographers 101st Annual Meeting.* Denver, CO.

2005 Mock, C.J. and D.B. Blanton. "Historical Climate Variability, Climatic Hazards, and Societal Impacts in the Southeast United States." Presented at the Workshop on Defining Climate History in the Americas Over the Last 1500 Years and its

Connection to Culture and History, Centro Ecologico de Akumal, Quintana Roo, Mexico (invited).

2005 Mock, C.J., M. Hartman, C.A. Woodhouse, G.J. Carbone, M.D. Anderson, D.O. Mayes, and L. Stroup. "Nineteenth Century Historical Climatic Data in Mountainous Regions of the Western United States." Presented at the MTNCLIM 2005 Symposium. Chico Hot Springs, Pray, MT.

2004 Miller, D.L., C.I. Mora, C.I., H.D. Grissino-Mayer, and C.J. Mock. Seasonally Resolved Oxygen Isotope Paleoclimate Proxy in Tree-Ring Cellulose from the Southeastern U.S. Presented at the 2004 Fall Meeting of the American Geophysical Union, San Francisco, CA. Abstract #PP41B-05.

2004 Mock, C.J. "Historical reconstructions of Western United States nineteenth century Mediterranean winter climate." Presented at the Workshop on Historical Reconstruction Climate Variability and Change in Mediterranean Regions. Bologna, Italy (invited).

2004 Springer, A., D. Williams, E. Karabonov, C.J. Mock, and C. Benitez-Nelson. "Paleotempestology upon the South Carolina Coastline; A Calibration of the Sedimentary Historical Record." Presented at the 2004 Annual Geological of Society Annual Meeting. Denver, CO.

2004 Miller, D.L., H.D. Grissino-Mayer, C.I. Mora, H.D. Grissino-Mayer, C.J. Mock, and M.E. Uhle. "A 221-Year Seasonal Record of Tropical Cyclone Activity, Droughts and Climate Fluctuations Revealed by Oxygen Isotopes in Tree-Ring Cellulose from the Southeastern U.S." Presented at the Western Pacific Geophysics Meeting. Honolulu, Hawaii. *Eos. Trans. AGU*, 85(28), West. Pac. Geophys. Meet. Suppl., Abstract B12A-06.

2004 Mock, C.J. "Historical Climate Records, An Overview." Presented at the Workshop on Paleoclimatic Variability and its Importance in Understanding Climatic Change, National Center for Atmospheric Research (NCAR), Boulder, Colorado (invited).

2004 Mock, C.J., D.O. Mayes, D. Burnette, and M. Chenoweth. "Meteorological aspects of the Lewis and Clark journals in the Northern Plains as compared to other historical extremes in the last 200 years." Presented at the 2004 Center for Great Plains Studies Symposium, "The Nature of Lewis and Clark on the Great Plains," Lied Conference Center, Nebraska City, Nebraska (invited).

2004 Miller, D.L., H.D. Grissino-Mayer, C.I. Mora, M.E. Uhle, and C.J. Mock. "Oxygen Isotopes from Tree Rings Reveal Tropical Cyclone Activity and Large-Scale Climate Oscillations on Century-time Scales." Paper presented and abstract published in *Association of American Geographers 100th Annual Meeting.* Philadelphia, PA, p. 305.

2004 Mock, C.J., J. Mojzisek, D.O. Mayes, M. McWaters, and M. Chenoweth. "American Historical Climatology, Some Perspectives on the Compilation, Analysis, and Integration of Historical Data." Paper presented and abstract published in *Association of American Geographers 100th Annual Meeting.* Philadelphia, PA, p. 309.

2004 Mayes, D.O. and C.J. Mock. "Reconstruction and Mapping of the August 25, 1885 Hurricane in Charleston South Carolina from Historical Sources." Paper presented at the *Association of American Geographers 100th Annual Meeting.* Philadelphia, PA.

2003 Miller, D.L., C.I. Mora, C.I., H.D. Grissino-Mayer, C.J. Mock, and M.E. Uhle. "Tropical Cyclone Activity and Climate Fluctuations Captured by Oxygen Isotopes in Tree-Ring Cellulose From the Southeastern U.S." Presented at the 2003 Fall Meeting of the American Geophysical Union, San Francisco, CA. *Eos Trans. AGU, 84*(46), Fall Meet. Suppl., Abstract B11C-0712.

2003 Mock, C.J. "Meteorological Extremes in the Mid Nineteenth Century over the United States." Abstract published in *Bulletin of the South Carolina Academy of Science* 65, pp. 103-104. (Presented at the 76th Annual Meeting of the South Carolina Academy of Science, Clemson, SC).

2003 Mayes, D. and C.J. Mock. "An Overview of South Carolinian Historical Climatology." Presented at the Mini-Technical Conference Palmetto Chapter of the American Meteorological Society. Columbia, SC.

2003 Mock, C.J., J. Mojzisek, M. Chenoweth, and D.W. Stahle. "The remarkable winter of 1827-28: a season of extraordinary climatic anomalies over the United States." Paper presented and abstract published in *Association of American Geographers 99th Annual Meeting.* New Orleans, LA.

2002 Mock, C.J. "Weather and the CSS Hunley." Abstract published in *Bulletin of the South Carolina Academy of Science* 64, p. 86. (Presented at the 75th Annual Meeting of the South Carolina Academy of Science, Aiken, SC, Keynote Address).

2002 Mock, C.J., D.B. Blanton, H.C. Blount, K.A. Ettinger, M. McWaters, and J. Mojzisek. "Southeastern United States climatic implications from documentary and early instrumental records." Paper presented and abstract published in *Association of American Geographers 98th Annual Meeting.* Los Angeles, CA.

2002 Mock, C.J. "Synoptic-scale atmospheric circulation." Presented at the Paleoenvironmental Arctic Sciences (PARCS) Holocene Thermal Maximum Working Group Meeting. Boulder, Colorado. (Invited).

2002 Mock, C.J. "Synoptic climate controls and paleoclimate of the North Pacific Basin." Abstract published in *American Quaternary Association Program and Abstracts of the 17th Biennial Meeting.* Anchorage, Alaska, p. 99.

2002 Mock, C.J. "American Historical Climatology; an overview." Presented at the Nineteenth Century Climate Data Catalogue Workshop. Boulder, CO. (Invited).

2001 Mock, C.J. and H.C. Blount. "A historical reconstruction of tropical cyclones for South Carolina." Paper presented and abstract published in *Association of American Geographers 97th Annual Meeting.* New York City, NY.

2001 Mock, C.J. "Nineteenth century long-term instrumental records, examples from the Southeastern United States." Abstract published in *EOS, Transactions, American Geophysical Union*, p. F299. (Presented at the American Geophysical Union 2001 Fall Meeting. San Francisco, CA).

2001 Mock, C.J. "American climate history, climatic impacts, and paleoclimatology." Presented at the Conference of History and Climate of the United States, College of William and Mary, Williamsburg, VA.

2001 Mock, C.J. "Looking at climate to understand history." Presented at Geofest XX, Geography & History in the social studies. South Carolina Geographic Alliance and Center of Excellence for Geographic Education. Columbia, SC. (Invited).

2001 Mock, C.J. "A historical reconstruction of tropical cyclones for South Carolina." Presented at the "Workshop on Atlantic Basin Paleohurricane Reconstructions from High Resolution Records", Columbia, SC.

2000 Mock, C.J. and M. Chenoweth. "American climate history, paleoclimatology, and climate impacts." Abstract published in *American Quaternary Association Program and Abstracts of the 16th Biennial Meeting.* Fayetteville, Arkansas, pp. 24-27.

2000 Birkeland, K.W., C.J. Mock, and J.J. Shinker. "Extreme Avalanche Hazard Events and Atmospheric Circulation Patterns." Presented at the International Symposium on Snow, Avalanches, and Impact of the Forest Cover, International Glaciological Society, Innsbruck, Austria. (Invited).

2000 Killoran, P.V. and C.J. Mock. "Analysis of modern climatic extremes in Asia: implications for paleoclimatic reconstructions." Abstract published in *American Quaternary Association Program and Abstracts of the 16th Biennial Meeting.* Fayetteville, Arkansas, p. 72.

2000 Mock, C.J., K.W. Birkeland, J.J. Shinker, and G.J. Gress. "Snow Avalanche Hazard and Climate of the Western United States." Paper presented and abstract

published in *Association of American Geographers 96th Annual Meeting.* Pittsburgh, PA.

2000 Killoran, P.V., Mock, C.J., and P.J. Bartlein. "Circulation Controls of Temperature and Precipitation Patterns for the Asian Continent." Paper presented and abstract published in *Association of American Geographers 96th Annual Meeting.* Pittsburgh, PA.

2000 Mock, C.J. "American historical climatology, climatic change, and climatic impacts." Abstract published in *Bulletin of the South Carolina Academy of Science* 62, p. 74. (Presented at the 73rd Annual Meeting of the South Carolina Academy of Science, Clinton, SC, Keynote Address).

1999 Mock, C.J. "ENSO events and associated winter temperature patterns in Beringia." Paper presented and abstract published in *Association of American Geographers 95th Annual Meeting.* Honolulu, HI.

1999 Mock, C.J. "Climatic change and historical impacts; examples for the American West during the nineteenth century." Presented at the Workshop on Climate Variations and History in the Americas. Manzanillo, Mexico. (Invited).

1999 Mock, C.J. "The Historical Record of Drought in the Great Plains." Presented at the NOAA/NASA Workshop, Assessing the full range of central North America Droughts and Associated Landcover Change, Boulder, Colorado. (Invited).

1999 Mock, C.J., K.W. Birkeland, G.J. Gress, and J.M. Robino. "Spatial and temporal variability of snow avalanche climates of the western United States." Presented at the Sixteenth Annual Pacific Climate Workshop (PACLIM), Santa Catalina Island, CA.

1999 Killoran, P.V. and C.J. Mock. "Synoptic climatic controls and spatial climatic variability in arctic and subarctic Asia." Presented at the 29th Annual Arctic Workshop, Seattle, Washington.

1998 Mock, C.J. P.J. Bartlein, and P.M. Anderson. "Synoptic climatological aspects of present and past climates of Beringia." Abstract published in *Toward an Arctic System Synthesis: Results and Recommendations, From an ARCSS All-Hands Workshop, 30 April-3 May 1996, Snowbird, Utah*, p. 101. The Arctic Research Consortium of the United States. Fairbanks, AK.

1998 Mock, C.J. "Atmospheric circulation patterns and late Quaternary vegetation history in western Beringia," Abstract published in *EOS, Transactions, American Geophysical Union*, p. F491. (Presented at the American Geophysical Union 1998 Fall Meeting. San Francisco, CA).

1998 Barber, V., C.J. Mock, M.E. Edwards, B.P. Finney, N. Bigelow, and G. Juday. "High and low resolution paleoclimatic reconstructions for interior Alaska and implications on atmospheric circulation patterns." Abstract published in *American Quaternary Association Program and Abstracts of the 15th Biennial Meeting. Puerto Vallarta, Mexico*, p. 85.

1998 Mock, C.J. "Late Quaternary paleoclimatology of interior Alaska." Paper presented and abstract published in *Association of American Geographers 94th Annual Meeting.* Boston, MA.

1998 Mock, C.J. "North American Historical Climatology; Overview and Outlook." Presented at the Workshop on Calibration of Historical Data for Reconstruction of Climate Variations, Barcelona, Spain. (Invited).

1998 Mock, C.J., P.J. Bartlein, and P.M. Anderson. "Atmospheric circulation patterns and spatial climatic variations in Beringia." Presented at the 1st IGBP PAGES Open Science Meeting, "Past Global Changes and their significance for the future", Senate House of the University of London, UK.

1998 Mock, C.J. "An overview of the late Quaternary paleoclimate of Beringia." Presented at the 1998 PALE (Paleoclimate from Arctic Lakes and Estuaries) NSF PI Meeting. Boulder, CO. (Invited).

1997 Mock, C.J., P.M. Anderson, and P.J. Bartlein. "Controls and spatial variations of late Quaternary paleoclimates in Beringia." Published in *Program and Abstracts, Beringian Paleoenvironments Workshop,* Florrisant, CO, pp. 107-108.

1997 Mock, C.J., P.J. Bartlein, and P.M. Anderson. "Late Quaternary climatic change and implications concerning the vegetation history of Beringia." Paper presented and abstract published in *Association of American Geographers 93rd Annual Meeting.* Fort Worth, TX, p. 181.

1997 Edwards, M.E., C.J. Mock, B. Finney, M. Abbott, N. Bigelow, V. Barber, P. Bartlein, and K. Kelts. "Late-Quaternary paleohydrology and paleoclimatology of eastern interior Alaska." Published in *Program and Abstracts, Beringian Paleoenvironments Workshop,* Florrisant, CO, pp. 51-53.

1997 Mock, C.J. "Climatic perspectives in avalanche research." Presented at the Great Plains-Rocky Mountain Division, Association of American Geographers 1997 Annual Meeting, Bozeman, MT.

1996 Mock, C.J. and K.W. Birkeland. "A current perspective on the avalanches climates of the West." Paper presented and abstract published in *Association of American Geographers 92nd Annual Meeting.* Charlotte, NC, p. 206.

1995 Mock, C.J. "The application of modern climate analogues for assessing paleoclimates." Paper presented and abstract published in *Association of American Geographers 91st Annual Meeting.* Chicago, IL, pp. 214-215.

1994 Mock, C.J. "Climatic controls and the spatial distribution of summer precipitation seasonality in the western United States." Presented at the Eleventh Annual Pacific Climate Workshop (PACLIM), Asilomar, CA.

1994 Mock, C.J. "Spatial climatic variations in the western United States during 18 ka and 9 ka." Abstract published in *American Quaternary Association Program and Abstracts of the 13th Biennial Meeting.* Minneapolis, MN, p. 141.

1994 Mock, C.J. "Climatic controls and the annual cycle of precipitation in the West." Paper presented and abstract published in *Association of American Geographers 90th Annual Meeting.* San Francisco, CA, p. 262.

1993 Mock, C.J. "Modern analogues of late-Quaternary paleoclimates for the western United States." Paper presented and abstract published in *Association of American Geographers 89th Annual Meeting.* Atlanta, GA, pp. 168-169.

1993 Mock, C.J. "Synoptic climatology of major avalanche winters at Alta, Utah." Abstract published in *Yearbook of the Association of Pacific Coast Geographers* 55, p. 185 (presented at the 57th Annual Meeting, Bellingham, WA).

1992 Mock, C.J. "Did the rain really follow the plow?, a case study for the northern Great Plains." Paper presented and abstract published in *Association of American Geographers 88th Annual Meeting.* San Diego, CA, p. 167.

1991 Mock, C.J. "Drought in the Great Plains: 1851-1896." Paper presented and abstract published in *Association of American Geographers 87th Annual Meeting.* Miami, FL, p. 139.

1990 Mock, C.J. "A historical climatic reconstruction for the northeastern Great Basin and adjacent Rocky Mountains: 1830-1853." Paper presented and abstract published in *Association of American Geographers 86th Annual Meeting.* Toronto, Ontario, Canada, p. 171.

1990 Mock, C.J. "Precipitation fluctuations in the Great Plains, U.S.A. during the late nineteenth century." Symposium on Climate Change of the Great Plains, Center for Great Plains Studies, Lincoln, NE.

1989 Mock, C.J. "Historical climates of the northeastern Great Basin and adjacent Rocky Mountains." Masters thesis, Department of Geography, University of Utah. Salt Lake City, UT.

1988 Mock, C.J. "Climate reconstruction of the northeastern Great Basin and adjacent Rocky Mountains using overland journals," Sixth Annual Meeting of the Utah Geographical Society, Weber State University, Ogden, UT.

1988 Mock, C.J. "Historical evidence of a cold, dry summer in the northeastern Great Basin and adjacent Rocky Mountains during the summer of 1849." Paper presented and abstract published in *National Council for Geographic Education 1988 Annual Meeting*, Snowbird, Utah, p. 71.

SELECTED INVITED PRESENTATIONS

2026 "Historical Hurricanes, Some Case Studies." Invited Presentation, Environmental Sciences and Policy/GIS. John Hopkins University. January 2026 (virtual)

2025 "Historical Climatology, Extreme Events, and Implications for Tree-Ring Records." Invited presentation, Laboratory of Tree-Ring Research. University of Arizona. October 2025.

2025 "Historical Climatology and Implications for Environmental History." Invited presentation, Departments of History and Geography. Nipissing University. March 2025. (virtual).

2022 "Historical Climatology and Extreme Weather Events." Invited presentation, Department of Environmental Science. Nipissing University. October 2022.

2019 "Weather and the Civil War: An Overview." Invited presentation, The Civil War Round Table of Augusta. Augusta, GA. August 2019.

2019 "South Carolina's Hurricane History from 1718-2018." Invited presentation, Supper at the Lodge Series, Hobcaw Barony, Georgetown, SC. July 2019.

2016 "Historical Climatology and Reconstructing Long-Term Hurricane Histories." Invited presentation, Department of Geography, University of Vermont. Burlington, VT.

2016 "Reconstructing Tropical Cyclone Histories from Historical Records." Invited Presentation. International Workshop on "Climatic Variations and Natural Disasters in Japan during the 19th Century." Seikei University. Tokyo, Japan.

2015 "Reconstructing Hurricane Histories from Historical Records." Invited presentation, Explorer's Club. Columbia, S.C.

2015 "Historical Climate, Climate Extremes, and Society." Invited presentation, Department of Geography, University of Texas. Austin, TX.

2014 "Using Historical Records to Reconstruction Tropical Cyclone Histories." Invited presentation, National Hurricane Center, November. Miami, FL.

2014 "Historical Climatology of Hawaii." Presented at the Department of Geography, University of Hawaii. Honolulu, HI.

2014 "Historical Climatology and Climate Extremes." Invited presentation, Department of Geography, University of Tennessee. Knoxville, TN.

2011 "Reconstructing Hurricane Chronologies from Historical Records." Invited presentation, Department of Geography, University of North Carolina. Chapel Hill, NC.

2011 "Historical Climatology, Some Comments." Invited presentation, School of Foreign Service and Department of History, Georgetown University. Washington, DC.

2010 "Using Historical Records to Reconstruct Hurricane Chronologies." Invited presentation, Marine Science Program. University of South Carolina. Columbia, SC.

2008 "Historical Climatology and U.S. Hurricanes." Invited presentation, Yi-Fi Tuan Series. Department of Geography. University of Wisconsin. Madison, WI.

2008 "U.S. Hurricanes and Climate Change; A Historical Perspective." Invited presentation, Department of Oceanography and Coastal Sciences. Louisiana State University. Baton Rouge, LA.

2007 "Hurricanes and Climate Change, a Long Term View." Invited presentation, University of Nottingham. Nottingham, UK.

2006 "Reconstructing climate, meteorological hazards, and societal impacts from historical archives." Invited presentation, School of Foreign Service and Department of History, Georgetown University. Washington, DC.

2006 "Historical climatology in paleoenvironmental research." Invited presentation, Quaternary Paleoecology Seminar Series. University of Minnesota, Minneapolis, MN.

2006 "Reconstructing meteorological hazards, climate and societal impacts from historical archives." Invited presentation, Southwestern Pennsylvania Chapter of the American Meteorological Society, California University of Pennsylvania.

2006 "Synoptic paleoclimatology in Quaternary research; some perspectives from the modern climate record." Invited presentation, Department of Geological Sciences, University of South Carolina. Columbia, SC.

2006 Mock, C.J. "The hurricane history of South Carolina." Presented at Continuing Education Day, South Carolina Department of Insurance and The Independent Agents and Brokers of South Carolina. Columbia, SC.

2005 "Reconstructing Past Climate and Weather Extremes from American Archives." Invited presentation, Department of Geography, University of Oregon. Eugene, OR.

2005 "Reconstructing Past Weather and Climate from American Archives." Invited presentation, Department of Geosciences, University of Arkansas. Fayetteville, AR.

2005 "Reconstructing Historical Tropical Cyclones, Perspectives and Lessons Learned from South Carolina Records." Invited Presentation hosted by the National Hurricane Center and Hurricane Research Division, Miami, FL.

2005 "Reconstructing South Carolina's Weather and Climate from Historical Archives." Invited presentation by the Palmetto Chapter of the American Meteorological Society. Columbia, SC.

2004 "Synoptic paleoclimatology in Quaternary Research; Perspectives from the Modern Climate Record." Invited presentation, Department of Geography, University of Utah. Salt Lake City, UT.

2003 "Reconstructing Climate History from American Archives." Invited presentation, Department of Geography, University of Minnesota. Minneapolis, MN.

2001 "Synoptic paleoclimatology, an overview." Invited presentation, Department of Environmental Science and Quaternary Program, Northern Arizona University. Flagstaff, AZ.

2000 "Climate and Society in the Southeastern United States." (with G. Carbone). Presented to the Greater Piedmont Chapter of the Explorer's Club. Columbia, SC.

2000 "Synoptic climatology of Beringia and the Asian continent, with implications for paleoclimatic research." Invited presentation, Quaternary Research Center, University of Washington. Seattle, WA.

1999 "Late Quaternary Paleoclimatology of western North America." Invited presentation, Department of Geography, University of Colorado. Boulder, CO.

1998 "Synoptic paleoclimatology in Quaternary research; lessons and examples from the modern instrumental record." Invited presentation, Quaternary Research Center, University of Washington. Seattle, WA.

1998 "Modern climatic perspectives on paleoclimatic research; examples for western North America" and "Atmospheric circulation and paleoclimatic variations in Beringia: an overview." Invited presentations, Departments of Geography and Geology and Limnological Research Center, University of Minnesota. Minneapolis, MN.

1996 "Some perspectives on climatic change and environmental responses during the late Quaternary." Invited presentation, Department of Geology, Central Washington University, Ellensburg, WA.

1995 "Quaternary Paleoclimatology of the western United States during the late Quaternary." Invited presentation, University of Texas, Austin TX.

1994 "Quaternary Paleoclimatology of the western United States." Invited presentation, Department of Geological Sciences, Brown University, Providence, RI.

1994 "Quaternary Paleoclimatology and Modern Analogs of the western United States." Invited presentation, Department of Geology and Geography, University of Massachusetts-Amherst. Amherst, MA.

1993 "Modern analogs for western United States late Pleistocene climates." Invited presentation, Quaternary Studies Program and the Center for Environmental Science & Education, Northern Arizona University, Flagstaff, AZ.

CONFERENCES ORGANIZED

2002 Program Committee Chair, American Quaternary Association Biennial Meeting, Anchorage, Alaska. Theme: Environmental change and human migrations of the North Pacific Basin (August 2002).

2001 Conference on History and Climate of the United States (with D.B. Blanton). Williamsburg, Virginia (May 2001).

2001 Workshop on Atlantic Basin Paleohurricane Reconstructions from High Resolution Records. Columbia, South Carolina (March 2001).

INVITED PARTICIPATION AT WORKSHOPS AND CONFERENCES

2025 Symposium on Hurricane Risk in a Changing Climate (SHRCC), Honolulu, HI. June 2025.

2024 Symposium on Hurricane Risk in a Changing Climate (SHRCC), Honolulu, HI. June 2024.

2017 Using High Resolution Paleoclimate Reconstructions Since AD 1500 in Support of Research on Environmental/Societal Change in Hawaii. University of Hawaii-Manoa. June 2017.

2016 International Workshop on "Climatic Variations and Natural Disasters in Japan during the 19th Century. Seikei University. Tokyo, Japan (held in July 2016).

2011 Workshop on Holocene Paleoclimate in the Hawaiian Islands and its Large-Scale Context. Kilauea Military Camp, Big Island, Hawaii (held in November 2011).

2011 Third Annual "UnCivil Wars" Conference, Athens, GA (October 2011).

2011 "Historical Climatology - Past and Future." The German Historical Institute in Paris, in cooperation with the Université de Versailles-Staint-Quentin-en-Yvelines / Sciences Po, and the Institute for Advanced Study in the Humanities, Essen. Paris, France (held in September 2011).

2005 Workshop on Museum of Life and the Environment. Global Concepts (2 workshops). York County Culture & Heritage Museum, Rock Hill, SC.

2005 Workshop on Defining Climate History in the Americas Over the Last 1500 Years and its Connection to Culture and History, Centro Ecologico de Akumal, Quintana Roo, Mexico.

2005 Ancient Subfossil Baldcypress Conference. Johnsonville, SC.

2004 Workshop on Historical Reconstruction Climate Variability and Change in Mediterranean Regions. Bologna, Italy.

2004 Workshop on Paleoclimatic Variability and its Importance in Understanding Climatic Change, National Center for Atmospheric Research (NCAR), Boulder, Colorado.

2004 Center for Great Plains Studies Symposium, The Nature of Lewis and Clark on the Great Plains, Lied Conference Center, Nebraska City, Nebraska.

2002 Paleoenvironmental Arctic Sciences (PARCS) Holocene Thermal Maximum and High Resolution Climate Working Group Meetings. Boulder, Colorado.

2002 Nineteenth Century Climate Data Catalogue Workshop. Boulder, Colorado.

2002 Historical Climate Data Workshop. Boulder, Colorado.

2002 Workshop on Fire and Climate History in Western North and South America. Tucson, AZ.

1999 Workshop on Climate Variations and History in the Americas. Manzanillo, Mexico.

1999 NOAA/NASA Workshop. Assessing the full range of central North America Droughts and Associated Landcover Change, Boulder, Colorado.

1998 Workshop on Calibration of Historical Data for Reconstruction of Climate Variations, Barcelona, Spain.

1998, 1996 PALE (Paleoclimate from Arctic Lakes and Estuaries) PI Meeting. National Center for Atmospheric Research. Boulder, Colorado.

1997 Discussant, Environmental History of Northern Mexico. Association of American Geographers 93rd Annual Meeting, Fort Worth, TX.

1996 Arctic System Science (ARCSS) All-Hands Workshop. Snowbird, Utah.

1996 Arctic System Science (ARCSS) Modeling Workshop. National Snow and Ice Data Center. Boulder, Colorado.

1995 PALE (Paleoclimate from Arctic Lakes and Estuaries) Beringian Workshop. University of Washington. Seattle, Washington.

1994 COHMAP (Cooperative Holocene Mapping Project) Workshop. University of Wisconsin. Madison, Wisconsin.

GRANTS, HONORS, AND AWARDS

2025 Career Media Achievement Award. American Association of Geographers

2018-2023 Principal Investigator, National Science Foundation. Paleoclimate Program: "Collaborative Research: High Frequency Hydroclimate Extremes and Synoptic Climate Drivers in Western North America at the End of the Little Ice Age" ($224,307).

2009-2013 Principal Investigator, National Oceanic and Atmospheric Administration. Climate Change and Detection. "Long Daily Historical Climate Reconstructions for Southern Alaska." ($121,000).

2005-200 Principal Investigator, National Science Foundation. Earth System History and Paleoclimate Program: "Atlantic Basin Tropical Cyclone Reconstructions for the Late Eighteenth and Early Nineteenth Centuries" ($289,485).

2005-2006 Principal Investigator, National Oceanic and Atmospheric Administration and the National Climate Data Center. Subcontract through North Carolina State on the CWISE (Climate and Weather Impacts on Society and the Environment) project. "Tropical Cyclone Reconstructions for The South Atlantic Bight back into the late Eighteenth Century" ($21,877).

2004-2007 Co-Principal Investigator (with John Wilson, University of Southern California), Collaborative Research: Place-Based Decision Support for Spatial and Temporal Transference of Risk and Hazards, NSF, $700,000 total. USC Research Team: S. Cutter, W. Piegorsch, J. Rose, J. Shafer, M. Fletcher, and C. Mock ($400,000 to USC).

2004-2007 National Science Foundation, Geography and Regional Science Program. "Baseline Methods for Reconstructing United States 19th Century Climate Extremes from Historical Data" ($99,999).

2004-2005 Co-Principal Investigator, National Oceanic and Atmospheric Administration, Environmental Services Data and Information Management (ESDIM): "North American Historical Climate Catalog Project." (with C. Woodhouse, $30,000).

2002-2003 Co-Principal Investigator, National Oceanic and Atmospheric Administration, Climate Database Modernization Program (subcontract from NOAA Paleoclimatology): "North American Historical Climate Manuscripts Digitizing Project." (with C. Woodhouse, $14,998).

2002-2003 Principal Investigator, National Science Foundation, Paleoclimate Program and NOAA Office of Global Programs: "Conference on Paleoclimate, Environmental Change, and Human Migrations in the North Pacific Basin. ($9,891)

2000-2001 Principal Investigator, National Science Foundation, Paleoclimate Program and NOAA Office of Global Programs: "Workshop on Atlantic Basin Paleohurricane Reconstructions from High Resolution Records." ($28,791).

2000-2003 Principal Investigator, National Science Foundation, Earth System History Program: "Historical climatic reconstructions of the Southeastern United States." ($157,932).

2000-2001 Principal Investigator, University of South Carolina, Office of Research, Research and Productive Scholarship: "Climatic Variability of the Colorado Plateau." ($8,120).

1999-2001 Co-Principal Investigator, National Geographic Society. "Ancient climates and vegetation of the Russian Far East", Grant No. 6521-99.

1998-2001 Principal Investigator, National Science Foundation, Earth System History Program: "Late Quaternary climate of northeast Asia: temporal and spatial variability." (with P.J. Bartlein, $111,766).

1998-1999 Principal Investigator, National Science Foundation, Geography and Regional Science Program: "Avalanche climate and variations in the intermountain zone of the western United States." ($49,994).

1996-1998 Co-Principal Investigator, National Science Foundation, Arctic System Science and Earth System History Programs: "Quaternary paleoclimatic variations of Beringia: Large-scale controls and regional responses." (with P.J. Bartlein, $222,573).

1990-1994 Graduate Teaching Fellowship, Department of Geography, University of Oregon.

1991 Graduate Research Grant, University of Oregon Science Foundation, University of Oregon.

1991 Honors, Ph.D. Comprehensive Exams, Passed with Distinction, Department of Geography, University of Oregon.

1990 First Place, American Meteorological Society Weather Forecasting Contest, University of Nebraska-Lincoln.

1988-1989 Graduate Fellowship, Department of Geography and College of Social and Behavioral Sciences, University of Utah.

1985-1986 Dean's Honor List, College of Arts and Sciences, University of California, Davis.

MANUSCRIPT REVIEWS FOR JOURNALS AND BOOKS

Aeolian Research – December 2008
Annals of Glaciology – September 2007
Annals of the Association of American Geographers – October 1999, December 2003, January 2016, June 2016, June 2017, December 2017, April 2018, November 2018, February 2020, March 2020, June 2020, July 2020, September 2020, November 2020, January 2021, February 2021, March 2021, April 2021, May 2021, June 2021, July 2021 (2 reviews), May 2022 (2 reviews), June 2022, July 2022

Arctic, Alpine, and Antarctic Research – June 2003, November 2003, December 2006, June 2007
Atmosfera – February 2012
Atmosphere – November 2017, February 2018, October 2018, December 2019
Atmospheric Research Letters – January 2014
Bulletin of the American Meteorological Society – May 2002, August 2003, March 2010; April 2012, September 2014, August 2015, January 2017; April 2017, July 2020, March 2021, June 2025
Chinese Science Bulletin – May 2011
Climate of the Past – December 2011, May 2012, June 2015, March 2023, November 2023, February 2024, June 2024
Climatic Change – July 2000, March 2001, January 2002, May 2004, April 2005, November 2005, June 2006, August 2007, July 2010, July 2015, August 2018
Climate Dynamics – September 2008, December 2008, December 2009, February 2013, May 2013
Cold Regions Science and Technology – October 2002, November 2002, September 2004, May 2005, June 2005, December 2006, April 2007, November 2008
Disasters – February 2009
Earth and Space Sciences – January 2016
Earth Interactions – May 2013
Ecology – August 1999
Ecological Monographs – August 1999
EGUsphere – March 2023
Environmental Hazards – January 2000, January 2001, August 2001
Environmental Management – December 2004
Environmental Research Letters – February 2011, July 2021
EOS – January 2007
Geographical Compass – March 2010, June 2010
Geographical Review – April 2006, May 2006, August 2006
Geology – September 2012, August 2017
Geophysical Research Letters – October 2004, December 2004, August 2007, April 2008, February 2016, July 2016, November 2018
Geoscience Data Journal – May 2016, April 2018, May 2018, December 2019, February 2020
Global and Planetary Change – September 2024
GIScience & Remote Sensing – February 2010, April 2012
Global Change Biology – February 2003, June 2003
Global and Planetary Change – May 2005, September 2005, September 2024
Great Plains Research – March 1993, April 1994
International Journal of Biometeorology – February 2008, October 2014, February 2019
International Journal of Climatology – November 2011, June 2012, July 2012, May 2014, January 2020
International Journal of Forecasting – February 1993
International Journal of Maritime History – March 2025
Journal of Applied Meteorology – April 2002, April 2003

Journal of Applied Meteorology and Climatology – December 2012, November 2025
Journal of Atmospheric and Oceanic Technology – September 2014, February 2015, November 2015, May 2016, July 2016
Journal of Climate – February 2002, August 2009, September 2011, February 2012, September 2017, September 2020, July 2023
Journal of Climate and Applied Meteorology – July 2009
Journal of Geophysical Research (Atmospheres) – June 1999, March 2002, April 2002, September 2002, April 2009, July 2009, March 2010, December 2010, December 2016, March 2017
Journal of Hydrology – March 2021
Journal of Hydrometeorology – January 2005, September 2016, January 2017, June 2022, October 2022
Journal of Mountain Science – September 2016
Journal of Quaternary Science – August 2014
Natural Hazards – February 2019, September 2022
Natural Hazards and Earth System Science – February 2018
Natural Hazards Review – August 2013, November 2017, October 2018, September 2019
Nature – July 2009, July 2016, December 2018, July 2021, September 2023, August 2024
Nature Climate Change – March 2015
Nature Communications – August 2015
Nature Geosciences – December 2023
New Zealand Weather and Climate Journal – September 2008
Norsk Geografisk Tidsskrift (Norwegian Journal of Geography) – October 1999
Palaeogeography, Palaeoclimatology, Palaeoecology – March 2003, June 2004
Papers for Applied Geography– July 2015
Physical Geography – March 2010, April 2012
Proceedings of the National Academy of Sciences – May 2021, September 2021, November 2024, May 2025
Professional Geographer – November 2007, July 2012, September 2012
Progress in Physical Geography – November 2017, January 2018
Quaternary International – January 2004, June 2004
Quaternary Research – April 1999, August 2000, March 2001, August 2004, December 2011, April 2012, July 2013
Quaternary Science Reviews – August 2005, December 2005, November 2007, August 2015
Review of Palaeobotany and Palynology – September 1995
Rocky Mountain Geology – February 2014
San Francisco Estuary and Watershed Science – February 2022
Scientific Advances – July 2025
Scientific Data – September 2023
Scientific Online Letters of the Atmosphere – May 2025
Scientific Reports – July 2016, October 2016
Shore & Beach – February 2006
Southeastern Geographer – September 2009, March 2021

The Holocene – March 1994, November 1996, May 2010
The Cryosphere – July 2020, November 2020
Tellus – September 2006
Tropical Science Research and Review – May 2022
Water Resources Research – December 2019
Weather, Climate, and Society – October 2011, June 2016, May 2018, June 2018
WIRES Climate Change – June 2015, September 2015

NATO Advanced Research Workshop Series – March 1995
Brooks/Cole Publishing, review of Introductory Physical Geography textbook – January 2000
Book Review for University of Georgia Press – August 2005, June 2022
Book Chapter of an edited volume for Elsevier Press – May 2005, November 2016
Book Chapter of an edited volume for Springer Press – April 2012, October 2015, February 2016
Review of the American Meteorological Society Climate Textbook – July 2014

PROPOSAL REVIEWS

National Science Foundation:
Biogeosciences and Carbon Cycle Program – February 2002, June 2004, April 2005
Climate Dynamics Program – August 1996, March 1997, May 2000, February 2003, November 2005, November 2006
Earth System History Program – February 1997, February 1998, March 1999, March 1999, March 2000, April 2000, April 2001, November 2005, December 2005
Paleo Perspectives on Climate Change (P2C2) Program – March 2008, April 2008, November 2008, December 2008, January 2009, December 2010, December 2011, January 2013, January 2014 (2 reviews), May 2014, November 2015, January 2017, December 2017, January 2018, February 2019 (3 reviews), January 2020, January 2021, February 2022
Arctic Natural Sciences Program – November 1998, September 2000, October 2001, April 2002, October 2002, April 2003, June 2006, March 2008, February 2009, April 2017, August 2018, June 2020, May 2021
Paleoclimate Program - November 1999, October 2001, October 2001, September 2002, February 2003, November 2004, October 2005, January 2007, November 2007, April 2008, December 2010, December 2016
Geography and Regional Science Program – March 1999, March 2000, May 2000, February 2003, October 2004, March 2005, October 2005, October 2006, October 2007, November 2007
Geography and Spatial Sciences Program – March 2010, April 2012, November 2012, October 2018, November 2018
Global Biogeochemical Cycles Program – July 2001, June 2004
Hydrology Program – August 1998, January 2000, May 2000, January 2001, November 2010
Geology and Paleontology Program – October 2003

Sedimentary Geology and Paleontology Program – April 2005, April 2010
Education and Human Resources Program – November 2004
Dimensions of Biodiversity – June 2015
Geobiology and Lower-Temperature Geochemistry Program – March 2006
Marine Geology and Geophysics Program – October 2013; April 2017, September 2019, July 2025
Office of International Science and Engineering – January 2007
Ecosystem Science – October 2021
EMBRACE Program – June 2024
Ocean Sciences – May 2024
National Oceanic and Atmospheric Administration (NOAA):
CLIVAR Pan American Climate Studies (PACS) – February 1998, February 1999, February 2000
Climate Prediction Program for the Americas (CPPA) – September 2005
Georgia Sea Grant Program – July 2011
Louisiana Sea Grant Program – May 2013
Department of Energy (DOE), National Institute for Climatic Change Research – January 2007, October 2007, September 2009
Mitacs Innovation (Canada) – November 2016, August 2017
National Academy of Sciences – April 2016
Natural Sciences and Engineering Research Council of Canada (NSERC) – May 2008, January 2015, December 2016
American Chemical Society - June 2002
American Philosophical Society – January 2001
Bermuda Biological Station Risk Prediction Initiative – 3 proposal reviews, November 2002
Canadian Foundation for Climate and Atmospheric Sciences – April 2008
Hong Kong Research Grants Council – June 2011
National Geographic Society – May 2001, December 2011
Natural Environment Research Council (UK) – September 2005, September 2011
Carolina Integrated Sciences & Assessments – 3 mini-grant reviews, August 2012
Research and Productive Scholarship, University of South Carolina – February 2004, January 2006

UNIVERSITY TENURE AND PROMOTION REVIEWS

Georgia State University
Louisiana State University
Plymouth State University
Southern Illinois University at Edwardsville
University of Arkansas
University of Delaware
University of Georgia
University of New Hampshire
University of North Carolina

University of Tennessee
University of Utah
University of Waterloo

CURRENT PROFESSIONAL AFFILIATIONS

American Geophysical Union
American Meteorological Society
American Quaternary Association
Association of American Geographers
American Avalanche Association
South Carolina Historical Society
The University South Caroliniana Society
International Commission on History of Meteorology
New Bedford Whaling Museum

OTHER PROFESSIONAL ACTIVITIES

2022-present. Board Member. Climate Data Rescue (a Canadian professional organization on rescuing old weather data).

2022-present. Academic Advisor. OldWeather.org (an international citizen organization project on digitizing, keying, and finding old weather data)

2017-present. Member, Editorial Board, *Geographies of the Anthropocene*.

2017-present. Member, Editorial Board, Annals of the Association of American Geographers.

2016-2024. Member, Steering Committee, International Geographical Union, Hazards and Risk Commission.

2014-present. Member, Program Advisory Board, Atmospheric Sciences. Springer Publishers.

2010-present. Member, Hurricane History Committee, National Hurricane Conference.

2016-2019. Member, Archive Committee, Association of American Geographers.

2015 Participant, NOAA Panel, Coastal and Ocean Climate Applications (COCA) Program.

2004-2010 National Research Council, Member of U.S. Delegation to the International Quaternary Association (INQUA).

2006-2010 Treasurer, American Quaternary Association (AMQUA).

2010, 2008 Member, NSF Panel, Paleo Perspectives on Climate Change Program.

2008 Co-Organizer (with G. Endfield and D. Nash). Four Climate Specialty Group and Paleoenvironmental Specialty Group Sponsored Sessions on Climate and History. 104th Annual Meeting of the Association of American Geographers, Boston, MA.

2006 Panel Member, Hurricane Katrina: Lessons from the Past, *Association of American Geographers 102nd Annual Meeting.* Chicago, IL.

2003-2006 Consultant on Environmental and Natural History, Museum of Life and the Environment. York County Culture and Heritage Commission, York County, South Carolina.

2005 Panel Member, Social Science History Association, "Author-meets-Critics", On the Great Plains: Agriculture and Environment. Portland, OR, November 2005.

2004 Voluntary Guest Lecturer and Advisor, Governor's School for Science & Math from Hartsville, SC, Summer Program for Research Interns (SPRI). Gave a few guest lectures and advised a few students on their summer research projects.

2004 Co-Organizer (with M. Janis). Climate Specialty Group Sponsored Sessions on Constructing Historical Climatological Datasets. 100th Annual Meeting of the Association of American Geographers, Philadelphia, PA.

2000-2004 Counselor, Paleoclimatology, American Quaternary Association.

2003 Program Committee, Annual Meeting of the Southeast Division of the Association of American Geographers.

2002-2003 Organizer, Geography Sessions, South Carolina Academy of Sciences.

2002 Coach, Weather or Not, Science Olympiad Competition, Dutch Fork Middle School, Columbia SC (won SC State competition and participated in the Nationals).

2000, 2002 Judge, Student Paper Competition, Geography Session, South Carolina Academy of Science Annual Meeting, Presbyterian College, Clinton, SC.

1997-1999 Member, Atlas Committee, Paleoenvironmental Atlas of Beringia, sponsored by the NSF/ESH/ARCSS programs under the guise of PALE and the NOAA Paleoclimatology Program.

1993-2001 Member, Research Committee, American Avalanche Association.

GRADUATE STUDENT TRAINING

Pere Esteban Vea (Official Host, Visiting Ph.D. Scientist from the University of Barcelona, Fall 2002)

Main Advisor

Carter, Kristyna. 2016. Synoptic climatology of extreme snow and avalanche events in southern Alaska. Masters Thesis, University of South Carolina, Department of Geography.

Abramyan, Ivetta. 2013. Atmospheric patterns and Asian typhoon landfalls. Masters Thesis, University of South Carolina, Marine Science Program, 100 pp.

Feetham, Stephen. 2011. Relating U.S. cirrus cloudiness to surface temperature and global teleconnection indices. Masters Thesis, University of South Carolina, Department of Geography, 110 pp.

Mayes, Douglas. 2006. A reanalysis of five 19th century South Carolina major hurricanes using local data sources. Masters Thesis, University of South Carolina, Department of Geography, 102 pp.

Parnell, Darren. 2005. A climatology of frost extremes across the Southeast United States, 1950-1999, PhD Dissertation, University of South Carolina, Department of Geography, 246 pp.

Bergen, Michelle. 2002. Avalanche runout prediction using geographic techniques. Masters Thesis, University of South Carolina, Department of Geography, 208 pp.

Mojzesek, Jan. 2002. Synoptic characteristics of precipitation variability in the southeast United States. Masters Thesis, University of South Carolina, Department of Geography, 116 pp.

Committee Member

Brugh, Jessica. 2019. Don't Rock the Boat: An Analysis of Boat Mitigation Prior to Hurricane Landfall. Masters Thesis, University of South Carolina, Department of Geography.

Cerrito, Emily. 2018. Reanalysis of three 19th century Florida hurricanes, Masters Thesis, University of South Florida, Department of Geosciences.

Risk, James. 2017. Lamps. maps, mid-machines, and signal flags: Science, technology, and commerce in the early United States. Ph.D. Dissertation, University of South Carolina, Department of History.

Reeves, Rachel. 2015. Economic losses and extreme tornado events, Masters Thesis, University of South Carolina, Department of Geography.

Skeeter, Wesley. 2015. Ammonium concentrations above a Louisiana sugarcane field, Masters Thesis, University of South Carolina, Department of Geography, 62 pp.

Michael, Trevor. 2013. Energy metrics for state government buildings, Masters Thesis, University of South Carolina, Earth & Environmental Resource Management Program, 78 pp.

Altman, Ekaterina. 2013. Drought indices in decision-making process of drought management, Masters Thesis, University of South Carolina, Earth & Environmental Resource Management Program, 70 pp.

Kabela, Erik. 2012. NARCCAP model assessment and future projections for the Southeast United States, PhD Dissertation, University of South Carolina, Department of Geography, 342 pp.

Zuzak, Casey. 2010. Differences in urban and rural hazard mortality in the United States, Masters Thesis, University of South Carolina, Department of Geography, 102 pp.

Ke Kimeng. 2010. Low frequency edge waves and their role in coastal dynamics, Masters Thesis, University of South Carolina, Marine Science Program, 83 pp.

Burnette, Dorian. 2009. Reconstruction of the eastern Kansas temperature and precipitation records into the mid-19th century using historical sources, PhD Dissertation, University of Arkansas, Environmental Dynamics Program, 173 pp.

Newton, Alicia. 2009. Climate and hydrographic variability in the Indo-Pacific warm pool over the past 26,000 years, PhD Dissertation, University of South Carolina, Marine Science Program, 84 pp.

McConnell, Martha. 2008. Tropical climate variability in the Cariaco Basin, Venezuela, during marine isotope stage 3: a multi proxy approach, PhD Dissertation, University of South Carolina, Marine Science Program, 165 pp.

Mizzell, Hope. 2008. Improving drought detection in the Carolinas: evaluation of local, state, and federal drought indicators, PhD Dissertation, University of South Carolina, Department of Geography, 149 pp.

Evans, Elijah. 2008. Spatial modeling of point source hazards; securing the chemical industry of the United States against terrorist agendas, Masters Thesis, University of South Carolina, Department of Geography, 102 pp.

Berry, Melissa. 2008. Insurance and natural hazard losses: a case study of Florida counties, 1997-2006, Masters Thesis, University of South Carolina, Department of Geography, 121 pp.

Borden, Kevin. 2008. Natural hazards mortality in the United States, PhD Dissertation, University of South Carolina, Department of Geography, 246 pp.

Burton, Christopher. 2007. Social vulnerability and hurricane impact modeling, Masters Thesis, University of South Carolina, Department of Geography, 91 pp.

Sprouse, Gregory. 2007. A historical analysis of land use and land cover change for Cheraw State Park, Chesterfield County, SC, Masters Thesis, University of South Carolina, Department of Geography, 181 pp.

Gregory, Lauren. 2006. Water use response to drought intensity and management in South Carolina, Masters Thesis, University of South Carolina, Department of Geography, 83 pp.

Chen, Jianwu. 2006. A simplified hurricane storm surge modeling system, Masters Thesis, University of South Carolina, Department of Geography, 107 pp.

Springer, Abby. 2005. Assessment of paleotempestology in Middleton Pond, SC, Masters Thesis, University of South Carolina, Department of Geological Sciences, 72 pp.

Chastain, James. 2005. Where did they vote for Le Pen?: demographics, globalization and political geography in the 2002 French presidential election, Masters Thesis, University of South Carolina, Department of Geography, 113 pp.

Eanes, William. 2005. 2003 eastern equine encephalitis outbreak in Berkeley County, South Carolina, Masters Thesis, University of South Carolina, Department of Geography, 72 pp.

Nelson, Angela. 2005. Conjoint disasters in South Carolina: the threat of tornado-induced hazardous material releases at TRI facilities, Masters Thesis, University of South Carolina, Department of Geography, 66 pp.

Mitchem, Jamie. 2004. Place vulnerability to tornadoes in the United States, PhD Dissertation, University of South Carolina, Department of Geography, 246 pp.

Borden, Kevin. 2004. Comparing the vulnerability of the built environment among U.S. cities, Masters Thesis, University of South Carolina, Department of Geography, 86 pp.

Jones, Steven. 2003. Spatial modeling of tornadoes, Masters Thesis, University of South Carolina, Department of Geography, 58 pp.

Hill, Arleen. 2002. Uncertainty and behavior: hurricane hazards in Horry County, South Carolina, PhD Dissertation, University of South Carolina, Department of Geography, 158 pp.

Killoran, Peter. 2000. Controls of surface temperature and precipitation patterns associated with the Asian summer monsoon, Masters Thesis, University of Oregon, Department of Geography, 54 pp.

Shinker, Jacqueline. 1999. Development and persistence of North American mid-continental moisture anomalies, Masters Thesis, University of Oregon, Department of Geography, 68 pp.

UNDERGRADUATE RESEARCH ASSISTANTS

Peter Sutton (Graduated in 2024)
Grace Hamilton (Graduated in 2023)
Julianne Warren (Graduated in 2024)
Hannah Pollien (Graduated in 2023)
Gracie Leatherman (Graduated in 2022)
Lilian Hutchens (Graduated in 2021)
Elaina Reck (Graduated in 2020).
Patrick McKenzie (Graduated in 2019)
Denise King (Graduated in 2013)
Paul Huff (Graduated in 2012)
Andrea Hassler (Graduated in 2011)
Anuj Patwardhan (Graduated in 2010)
Kathryn Perkins (Graduated in 2009)
Megan Matthews (Graduated in 2009)
James Tanis (Graduated in 2008)
Shelley Holmberg (Graduated in 2006)
John Derrick (Graduated in 2004)
Michele McWaters (Graduated in 2002)
Sandy Benson (Graduated in 2000)

UNIVERSITY COURSES TAUGHT (ALL AT THE UNIVERSITY OF SOUTH OF CAROLINA UNLESS NOTED: [1]UNIVERSITY OF OREGON; [2]UNIVERSITY OF MASSACHUSETTS; [3]UNIVERSITY OF NEBRASKA)

Applied Climatology (Spring 2010)
Biogeography ([2]Fall 1995, Fall 2001)

Climate and Society (Spring 2001, Spring 2005, Spring 2008, Spring 2009, Fall 2009, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023 [2 sections]), Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025)
Climatology ([2]Spring 1995, [1]Summer 1996, [1]Fall 1997)
Global Environmental Change ([1]Summer 1996)
Human Dimensions of Global Environmental Change (Spring 2000)
Human Impact on the Environment (Fall 1999, Fall 2003, Spring 2004)
Hurricanes and Tropical Climatology (Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2022, Fall 2023, Fall 2024, Fall 2025)
Introduction to Physical Geography ([3]Fall 1989, [3]Spring 1990 [2 sections], [2]Fall 1994, [2]Spring 1995, Fall 1999, Spring 2000, Spring 2001, Spring 2002, Spring 2003)
Natural Environment Laboratory ([1]Fall 1990 [2 sections], [1]Spring 1991 [2 sections])
Long Term Environmental Change (Spring 2002, Spring 2004, Fall 2005, Fall 2008, Spring 2011, Spring 2013, Spring 2014, Fall 2015, Spring 2017, Spring 2022, Spring 2024)
Paleoclimatology ([2]Spring 1995)
Quantitative Methods in Geography (Fall 2002, Fall 2003, Fall 2004, Fall 2007, Fall 2010, Fall 2012, Fall 2013, Fall 2014, Fall 2016, Fall 2017, Fall 2018)
Research Trends in Geography (Spring 2018)
Seminar in Cartography (Summer 2006)
Seminar in Climatology (Fall 2000, Fall 2005, Fall 2008, Fall 2011, Fall 2019)
Seminar in Advanced Physical Geography (Fall 2014)
Synoptic Meteorology (Fall 2000, Fall 2001, Fall 2002, Fall 2004, Spring 2006, Fall 2007, Fall 2009, Spring 2012, Spring 2016, Spring 2019, Spring 2021)
Weather Analysis and Forecasting (Spring 2025)

DEPARTMENTAL AND COLLEGIATE SERVICE AT SOUTH CAROLINA

Honor Code College Committee (2011)
Graduate Admissions Committee (1999-2002, 2022-present, Chair 2001-2002, Chair 2010-2011, 20025-2026)
Strategic Planning Committee (2001-2006)
Minutes Secretary (1999-2000)
Faculty Search Committee, Geography (2000, 2004, 2008, 2009, Chair 2022, 2025)
Faculty Senate, Geography Representative (2022-present)
Undergraduate Advising (2002-2013, 2017-2018)
Awards Committee (2002-present, Chair 2004-2010)
Curriculum Committee (Spring 2005, 2007-2009, 2014-2015, Chair 2016-2017)
Undergraduate Director (2004-2010)
Student Academic Grievance Committee, College of Arts and Sciences (2006-2009)
Department Tenure and Promotion Committee (2013-present)
Department Tenure and Promotion Committee, Anthropology (2019)

Department Tenure and Promotion Chair (2016-2021)
Department Library Representative (2010-2016)
Department Publicity Coordinator (2011-2013)
Department Colloquium Coordinator (2013-2014)
Department Peer Review Teaching Committee (2017-present, Chair, 2017-2019, 2023-2025)
University Tenure and Promotion Committee (UTPC, 2014, 2016)
University Library Research Award Committee (2013-2014, 2016-2021)

SELECTED MEDIA APPEARANCES AND INTERVIEWS AT SOUTH CAROLINA

January 2026. Interview. *SGTV*. Heat and climate change in Columbia, SC.

January 2026. Comments on Groundhog day and climate. McCausland College of Arts and Sciences, University of South Carolina.

November 2025. Interview. *The Island Packet* (Beaufort, SC). Hurricane season winds down, and SC had a lucky year. Here's what happened.

October 2025. Yale Climate Connections. Hurricane Melissa dies over the cold waters of the North Atlantic.

October 2025. *Forbes*. Hurricane Melisa approaches rare Category 5.

October 2025. Interview. *Post and Courier, Columbia*. As storms get more volatile, SC event and festival organizers forecast turbulent planning.

July 2025. Yale Climate Connections. The deadliest floods in U.S. history (my contribution focused on the 1861-1862 Western United States floods).

May 2025. Interview. Off the Rader. Discussion on the Alexander Hamilton Hurricane.

May 2025. Interview. The Weather Channel. On This Date: A Once-Forgotten May Hurricane Struck Florida.

January 2025. Interview. *Post and Courier Pee-Dee.* Florence missed out on SC's snow. Again. Why don't we get more winter weather?

December 2024. Interview. Harvard School of Journalism. Hurricane Helene impacts.

December 2024. Interview. *Smoky Mountain Living Magazine*. Discussion on Hurricane Helene and Recovery in the Appalachians.

October. 2024. Interview. LBC News (UK). Discussion on Hurricane Milton.

October. 2024. Interview. Sky News (UK). Discussion on Hurricane Milton.

October 2024. Interview. The History Channel. Hurricane Science: Key Advances in Tracking the Deadly Storms. Discussion on early-modern hurricane research and tracking.

October 2024. Interview. *The Asheville Citizen Times*. Why did it flood so badly in Western North Carolina? Some scientists point to this weather effect. Discussion on Hurricane Helene impacts.

September 2024. Interview. *The Daily Gamecock.* Aftermath of Hurricane Helene impacts in South Carolina.

September 2024. Interview. *The Daily Gamecock* (with S. Cutter). Hurricane season is reaching its peak. Here's some ways local experts say students can stay prepared.

August 2024. Interview. *Greenville News*. Tropical Storm Debby: Will climate change make hurricanes worse? Here's what scientists say

May 2024. Interview. *Tallahassee Democrat*. The 1843 Port Leon hurricane.

November 2023. Interview. *Post and Courier* (Charleston). SC hurricanes in the late season.

September 2023. Interview. Ledger and Enquirer (Columbus, GA). Hurricane Idalia got much stronger overnight and shifted west. South Georgians weren't ready.

August 2023. Interview. Yale Climate Connections. Comment on Typhoon Saola and Hong Kong.

August 2023. Interview. *Forbes Magazine*. Hurricane Hilary Causes California's 1st Ever Tropical Storm Watch—What About 1939?

August 2023. Interview. Yale Climate Connections. Rapidly intensifying Hurricane Hilary heads toward Southern California.

August 2023. Interview. Overseas Media (New York City, NY). Comments on Hurricane Hilary and California.

August 2023. Interview. *Post and Courier* (Greenville SC). Comments on Upstate South Carolina heatwaves.

June 2023. Interview. WLTX (Columbia, SC). Record Highs: Ocean Heatwave and Climate Change.

June 2023. Interview. University of Florida, Communications Department (Gainesville, FL). Historical climatology and memory of hurricanes.

May 2023. Interview. *Orlando Sentinel* (Orlando, FL). Comments on Hurricane Amanda of 1863.

October 2022. Interview. *Post and Courier* (Charleston). SC spared brunt of hurricane season, but experts predict stronger storms in the future.

September 2022. Interview. Daily *Gamecock*. South Carolina Hurricanes.

September 2022. Interview. *Forbes Magazine*. Why California never gets hurricanes.

September 2022. Interview. *Post and Courier* (Charleston). The quiet 2022 hurricane season and South Carolina hurricanes.

August 2022. Interview, *USA Today*. North Carolina hurricane history

July 2022. Interview, *History* documentary on shipwrecks, The Bermuda Triangle, and weather.

June 2022. Interview, Columbia University. Historical climatology and early instrumental records for the United States.

June 2022. Interview, ABC Columbia. South Carolina hurricane history, past, present, and future.

March 2022. Interview, *Toronto Star*. The Climate Sleuths.

December 2021. Interview, *Bluffton Sun* (Bluffton, SC). The end of the 2021 hurricane season and future hurricanes in South Carolina.

November 2021. Interview, *The Coastal Review* (Newport, NC). 18th century hurricanes, historical records, and tree-rings of hurricane rain.

November 2021. Interview, *Post and Courier* (Charleston, SC). The end of the 2021 hurricane season.

October 2021. Interview, *Post and Courier* (Charleston, SC). The Gray Man and South Carolina hurricanes.

October 2021. Interview, *Washington Post*. Discussion on the East Coast 1821 and 1846 hurricanes.

September 2021. Interview, Historical New Orleans Collection. Hurricane Ida and comparisons with other major New Orleans hurricanes.

August 2021. Interview, *Post and Courier* (Charleston, SC). Tropical Storm Henri and New England hurricanes.

May 2021. Interview, Historical New Orleans Collection. The use of historical materials to understand the 1812 New Orleans Hurricane.

April 2021. Interview, *Palm Beach Post* (Palm Beach, FL). Steering mechanisms of hurricanes during active seasons.

April 2021. Interview, *Post and Courier* (Charleston, SC). Charleston SC long-term weather history.

March 2021. Feature NICHE (Network in Canadian History and Environment), Historical Climatology and the 1839 Reid Hurricane, appeared in a blog of Web-based HGIS for Storytelling of Environmental Histories.

February 2021. Interview, *The Daily Gamecock*. Conducting archival research at the South Caroliniana Library.

January 2021. Interview. Warm Regards (regular Podcast show on Life of a Warm Planet). The nature of historical climate data and its relationship to studying climate change.

October 2020. Interview, *Post and Courier* (Charleston, SC). Discussion of the latter part of hurricane season for the Southeast USA.

September 2020. Interview, *Post and Courier* (Charleston, SC). History of Hurricane Names.

September 2020. Interview WWL Radio (New Orleans). Hurricane forecasting on slow moving storms.

August 2020. Interview WWL Radio (New Orleans). Hurricane Laura and hurricane forecasting.

August 2020. Interview, Fox 8 Television (New Orleans), Heart of Louisiana. The Great Louisiana Hurricane of 1812.

July 2020. Interview, *Post and Courier* (Charleston, SC). Looping and stalling hurricanes in the North Atlantic.

July 2020. Interview, *Coastal Observer* (Pawley's Island, SC). Extreme South Carolina hurricanes years.

March 2020. Interview, South Carolina Public Radio. Historical weather extremes in South Carolina.

October 2019. Interview, *Coastal Observer* (Pawley's Island, SC). South Carolina hurricanes in the Georgetown area.

September 2019. Interview, *Post and Courier* (Charleston, SC). Slow-moving Dorian spared SC, but its trip to the Bahamas matched a global climate trend.

September 2019. Interview, *Post and Courier* (Charleston, SC). "Weak" hurricanes still prove to be deadly in SC, along East Coast.

September 2019. Interview, South Carolina Public Radio. Hurricanes and climate change.

June 2019. Interview, *South Strand News* (Georgetown, SC). Centuries of storms: Hurricanes leave a mark on South Carolina history.

June 2019. Interview, *Post and Courier* (Charleston, SC). Hurricane detectives comb archives for clues to storms past — and those to come.

May 2019. Interview, WIS TV (Columbia, SC). SC sees several 100+ degree days in May; much earlier than normal.

May 2019. Interview, WACH TV (Columbia, SC). Death ridge' brings record heat to Midlands.

September 2018. Interview, Voice of America Radio (Washington, DC). Discussion on Hurricane Michael.

October 2018. Interview, Carolina Reporter News (Columbia, SC). Hurricane Michael and South Carolina impacts.

September 2018. Interview. Earther (National Environmental News Site with the Gizmodo Media Group). Flooding in South Carolina following Hurricane Florence.

September 2018. Interview, Global TV (Canada). Discussion on Hurricane Florence, Typhoon Mangkhut, and Hurricanes and Global Warming.

September 2018. Interview, Voice of America Radio (Washington, DC). Discussion on Hurricane Florence.

September 2018. Interview, *Post and Courier* (Charleston, SC). Florence roars like another, less-often recalled SC hurricane — Hazel.

May 2018. Interview, *Picayune Item* (Pearl River, MS), Tropical storms possible before official hurricane season.

January 2018. Interview, *Post and Courier (*Charleston, SC). Researchers retrieve Navy logs to 'weather' the Civil War years off South Carolina, region.

January 2018. Interview, *The Island Packet* (Bluffton, SC). Fluke? Farmer's almanac predicted rare Lowcountry snow last week — and more on the way.

January 2018. Interview, South Carolina Public Radio (Columbia, SC). University of South Carolina climatologist says this week's weather was historic in nature.

January 2018. Interview, Daniel Island News (Daniel Island, SC). Not accustomed to snow, DI residents improvise after historic winter weather rocks area.

January 2018. Interview, WIS News (Columbia, SC). Discussion on the recent abnormally cold weather.

January 2018. Interview, WLTX News (Columbia, SC). Discussion on the recent abnormally cold weather.

January 2018. Interview, South Carolina Public Radio (Columbia, SC). University of South Carolina climatologist says this week's weather was historic in nature.

October 2017. Interview, Carolina Reporter News (Columbia, SC). The 2017 Hurricane Season is affecting public view of climate change.

September 2017. Interview, South Carolina Public Radio (Columbia, SC). South Carolina hurricane history.

August 2017. Interview, *Punch News* (African newspaper). Discussion of hurricane formation near Africa.

August 2017. Interview, ABC Columbia News (Columbia, SC). Texas flooding brings back painful memories to the Midlands.

May 2017. Interview, *Post and Courier (*Charleston, SC), Tropical threats loom for South Carolina as hurricane season opens.

January 2017. Interview, *Post and Courier (*Charleston, SC), Heating Lowcountry won't see region's moderation.

October 2016. Interview, *Post and Courier (*Charleston, SC), Sea rise might be worse than thought, study says.

June 2016. Interview, *Columbia Regional Business Report* (Columbia, SC). Discussion on South Carolina hurricane history,

May 2016. Interview, *Post and Courier (*Charleston, SC), Hurricane predictions don't add up for Lowcountry.

February 2016. Interview, *Post and Courier* (Charleston, SC), Climate, history don't bode well for 2016 tropical season.

October 2015. Interview, Forbes Magazine. Comments on Hurricane Patricia.

May 2015. Interview, WLTX, (Columbia SC). Comments on the upcoming Atlantic hurricane season and on Tropical Storm Ana.

February 2015. Interview, *Rock Hill Herald* (Rock Hill, SC). Why were snow totals for the Rock Hill area so far off?

December 2014. Interview, *The State* (Columbia SC). A Columbia White Christmas.

November 2014. Interview, *The State* (Columbia SC). South Carolina earliest snowfall history.

May 2014. Interview, *Live Science*. The prediction of the 2014 Hurricane season.

August 2013. Interview, *Popular Magazine*. Why it's so hard to predict hurricanes.

August 2013. Interview, WLTX, (Columbia SC). Comments on the current Atlantic hurricane season.

May 2013. Interview, *Earth Magazine*. The past is key to the future: Historical observations strengthen modern science. Comments on reconstructing historical hurricanes.

March 2013. Interview, *Charleston Post and Courier*. Comments on the SC Department of Natural Resources climate report and global warming.

January 2013. Interview, *Florence Morning News*. Recent warmth in the U.S. for 2012 and implications for the future in South Carolina.

November 2012. USC Times News and several local media outlets. Hurricane Sandy in Context.

September 2012. Interview, *The State* (Columbia, SC). 23 years after Hugo, South Carolina in hurricane gap. Discussion of major hurricanes in South Carolina (similar article also in the *Charlotte Observer*).

September 2012. Interview, *Design Observer*. Discussion of observing hurricanes in the nineteenth century.

July 2012. Interview, *The Post and Courier* (Charleston, SC). Discussion, recent South Carolina heat waves and drought.

June 2012. Interview, *Hilton Head Monthly* (Hilton Head, SC). The worst-case scenario: hurricane season. Feature of South Carolina hurricanes.

June 2012. Interview, WAFB (Baton Rouge, LA). Discussion of the hurricane of 1812 in New Orleans.

February 2012. Interview, *The Post and Courier* (Charleston, SC). Trends in South Carolina Lowcountry Droughts.

January 2012. Interview, *Daily Gamecock* (Columbia, SC), the recent warm weather for South Carolina.

August 2011. Interview, *Reuters*, historical hurricanes of New England and New York, Hurricane Irene in a historical context.

August 2011. Interview, *Boston Globe*, historical hurricanes of New England and Hurricane Irene.

August 2011. Interview, *Greenville News*, historical hurricanes, particular for South Carolina, and Hurricane Irene.

February 2011. *Sun Herald* (Biloxi, MS). 1812 storm reshaped Mississippi's coastal region. Describes research on the 1812 hurricane and impacts on Mississippi.

February 2011. A look back at Louisiana's great 1812 hurricane. Discussion on the New Orleans hurricane of 1812, published in MCNBC online and at least two dozen additional online outlets.

December 2010. Interview, BBC. Recent cold weather and snow in N America and Europe.

August 2010. *Columbia Star* and USC News (Columbia, SC). USC geographer recreates hurricane history using ships logs. Summary of reconstructing hurricane histories from ship logbooks around the world.

August 2010. Interview, *Savannah Morning News*. Discussion of historical Georgia hurricanes.

July 2010. Interview, Fox 4, Ft. Myers, FL. Discussion on July Florida hurricanes.

June 2010. Interview, *Daily Gamecock* (Columbia, SC), the hurricane season outlook, particular for South Carolina.

June 2010. Interview, *South Carolina Living* (Columbia, SC), Summer severe weather and hurricanes in South Carolina.

March 2010. Press Release, University of Arkansas. Reconstruction of Historical Climate Record in Kansas Shows Warming Trend (appeared in numerous Arkansas and their local newspapers.

February 2010. Interview. *Danville Express* (Danville, CA). Discussion on the severe floods of 1861-1862 in California.

January 2010. Interview and feature article. *High Country News* (Denver, CO). Discussion on the severe floods of 1861-1862 over the western U.S.

December 2009. Interview, *The Post and Courier* (Charleston, SC). Season uneventful, but experts say stay tuned. Discussion of the 2009 hurricane season and future prospects.

September 2009. Interview, *The State*. Discussion on Hurricane Hugo's fastest winds.

September 2009. Interview, *The State*. 'Now we know' hurricanes aren't just coastal disasters.' Discussion on Hurricane Hugo.

September 2008. Interview. *Los Angeles Times*. Discussion of the 2008 Hurricane Season and historical hurricane extremes.

September 2008. Interview. *The State*. Discussion of Hurricanes in the Hilton Head/Beaufort area.

September 2008. Interview. *Free Press* (Columbia, SC). Discussion of South Carolina and other Atlantic Basin historical hurricanes.

September 2008. Interview. *Sumter Item*. Discussion of Tropical Storm Hanna.

July 2008. Interview. Carolina Minutes and S.C. Educational Radio. Discussion on Atlantic and South Carolina hurricanes.

June 2008. Daybook, USC News. July historically quietest month for tropical storms off S.C. coast

May 2008. Article Feature, *Carolinian*, the official newspaper for faculty and staff at the University of South Carolina. Comments on South Carolina hurricanes and extreme weather.

May 2008. Article feature in the Madrid, Spanish press, *Ciencia Futuro Medio Ambiente*, (with R. Garcia, J. Vaquero, D. Wheeler, and M. Chenweth), El huracán Vince, que afectó a España en 2005, tuvo un precedente en 1842 (The Vince hurricane, that affected to Spain in 2005, had a precedent in 1842).

October 2007. Interview. *Tampa Tribune*. Discussion of the 2007 hurricane season.

September 2007. Interview. MSNBC. Discussion on Hurricane Dean.

June 2007. Interview. Carolina Minutes and S.C. Educational Radio. Discussion on hurricane forecasting, the upcoming hurricane season, and hurricane history.

June 2007. Interview. *Palm Beach Post*. The hurricane season of 1837 and prospects for the upcoming hurricane season.

April 2007. Interview. Time Warner Cable, S. Carolina's hurricane history. Filmed for a segment that will be aired on Time Warner Cable's On Demand Channel periodically during hurricane season.

February 2007. USC Press conference discussion on hurricanes and climate change (with C. Landsea and conducted in front of approximately twenty different press representatives).

February 2007. Interview, WVOC-AM talk radio. Columbia, SC. Discussion on Hurricanes and Global Warming.

September 2006. Interview, *Science with a Twist* (Boston University). Forests of Data Reveal Hurricane History.

September 2006. Interview, BBC. Global warming and hurricane history.

August 2006. Interview, CTV-Newscast. Discussion on the current Atlantic hurricane season.

August 2006. Interview, *The Loris Herald* (Loris, SC). Discussion of the 1906 South Carolina hurricane.

May 2006. Interview, *The Guardian* (UK). Discussion on the upcoming Atlantic hurricane season.

May 2006. Interview, *The Smithsonian.* Discussion on Paleotempestology.

May 2006. Interview, *Ocala Star Banner* (Ocala, FL). Discussion on the upcoming Atlantic hurricane season and climatological variations of past hurricane activity.

May 2006. Interview, *The State Newspaper* (Columbia, SC). Discussion on pre-twentieth century South Carolina hurricanes.

May 2006. Interview, *Associated Press* (Savannah, GA). Discussion on the upcoming Atlantic hurricane season for the Southeast U.S. and climatological variations of past hurricane activity.

February 2006. Interview, WOLO-TV Channel 25. Columbia. Discussion on the recent warm weather in South Carolina and perspectives on past warm periods.

January 2006. Interview, *Rock Hill Herald* (Rock Hill, SC). Discussion of the recent warm weather in South Carolina.

November 2005. Interview, *The Island Packet* (Bluffton, SC). Discussion on the end of the 2005 hurricane season and prospects for the future as they concern South Carolina.

November 2005. Interview, *South Carolina Wildlife Magazine*. South Carolina hurricanes, quotes published in 2006.

November 2005. Interview, The Wall Street Journal. Discussion on hurricane cycles and periods of high hurricane activity in the Atlantic Basin.

October 2005. Interview, British Broadcasting Corporation (BBC), The World Today. Discussion on reconstructing past hurricanes and connections to global warming.

October 2005. Interview, *The Daily Athenaeum* (Morgantown, WV). The 2005 hurricane season and hurricane cycles.

October 2005. Interview, WCSC Channel 5, Charleston, SC. Discussion on historical hurricane records.

October 2005. Interview, Associated Press, Expanded hurricane record will help forecasters. Appeared in approximately fifty newspapers nationwide across the U.S. that includes the *New York Times* and *USA Today*, and internationally that includes outlets from Europe and East Asia.

October 2005. Interview, Radio Station WOOD, Grand Rapids, MI. Discussion on hurricane Wilma.

October 2005. Interview, WOLO-TV Channel 25. Columbia. Discussion on the hurricane season of 2005 and the hurricane history of South Carolina and the Atlantic Basin.

October 2005. Interview, *The State Newspaper* (Columbia, SC). Discussion on reconstructing active hurricane seasons for the Atlantic Basin.

October 2005. Interview, *Los Angeles Times*. The naming of hurricanes, hurricane climate, and the 2005 hurricane season. Also published in the *Northeast Mississippi Daily Journal* (Tupelo, MS), *Buffalo Journal* (Buffalo, NY), *Baltimore Sun* (Baltimore, MD), and *Fort Lauderdale Sun Sentinel* (Fort Lauderdale, FL).

October 2005. *The State Newspaper* (Columbia, SC). USC geographer to write hurricane history.

September 2005. Interview, Radio Station WOOD, Grand Rapids, MI. Discussion on the current active hurricane season.

September 2005. Interview, *The State Newspaper* (Columbia, SC). Discussion of hurricane forecasting and Katrina.

September 2005. Interview, News Talk 570, Jeff Allen Radio Show (Toronto, Canada). Discussion on Hurricane Katrina.

August 2005. Interview, *The National Post* (Toronto, Canada). Gulf of Mexico acts as gale rejuvenator fueled by warm waters.

August 2005. Interview, KRLD, Dallas, TX. Discussion on historical hurricanes and the impact of Hurricane Katrina.

August 2005. Interview, CNN. Discussion on Hurricane Katrina and major hurricanes with big inland impact.

August 2005. Interview, ABC News. Discussion on Hurricane Betsy and its relation to Hurricane Katrina and New Orleans.

June 2005. Interview, MSNBC News. Discussion on the beginning of the Atlantic Basin hurricane season.

October 2004. Interview, MediaCorp Radio, Singapore. Discussion on the active Atlantic and Pacific hurricane seasons and climate change.

October 2004. Interview, *San Francisco Chronicle*. The current Atlantic hurricane season, forecasting aspects, and comparisons with hurricane climate of the past.

October 2004. Interview, Charlotte's Morning Newstalk Radio, WBT (1110 AM, 99.3 FM). Discussion of the current Atlantic Basin hurricane season.

September 2004. Interview, Aired on MSNBC News. Discussion on Hurricane Jeanne and the current Atlantic Basin hurricane season.

September 2004. Interview, *The Washington Post*. Discussion on hurricane Jeanne and Florida hurricane history. Also published in the *Charleston Daily Courier* (Charleston, SC), *San Francisco Chronicle* (San Francisco, CA), *Reading Record Searchlight* (Reading, CA), *Deseret News* (Salt Lake City, UT), *Charlotte Observer* (Charlotte, NC), *The Union Leader* (Manchester, NH), *The Oregonian* (Portland, OR), The *Pittsburgh Tribune* (Pittsburgh, PA), *St. Paul Pioneer Press* (St. Paul, MN), and *Cape Cod Times* (Hyannis, MA).

September 2004. Interview, Newstalk Radio Show, Saskatoon, Saskatchewan, Canada. Discussion on the 2004 Atlantic hurricane season and relation to the past.

September 2004. Interview, WOLO-TV Channel 25. Columbia. Discussion on the hurricane history of South Carolina and hurricane Jeanne.

September 2004. Interview, Aired on MSNBC News. Discussion on Atlantic Basin hurricanes and hurricane Ivan.

September 2004. Interview, *Christian Science Monitor*. Discussion on hurricane forecast models.

September 2004. Interview, South Carolina News Network. Discussion on Atlantic Basin hurricane climatology.

September 2004. Interview, *Island Packet* (Bluffton SC). Past hurricane history of the Carolinas. Article also appeared in the *Beaufort Gazette* (Beaufort, SC).

September 2004. Interview, *Los Angeles Times*. History of hurricane forecasting.

September 2004. Interview, *Washington Post*. Discussion on Hurricane Frances and its rainfall. Article published as well in the *Hartford Courant*.

September 2004. Interview, Canadian Broadcasting Corporation. Current Atlantic Basin hurricane patterns and tracks, and hurricanes Frances and Ivan.

September 2004. Interview, Associated Press, Discussion on South Carolina hurricane history and trends in Atlantic Basin hurricanes. Articles appeared in *The Times*

and Democrat (Orangeburg, SC), *Rock Hill Herald (*Rock Hill, SC), *The Sun News* (Myrtle Beach), and *The State* (Columbia, SC).

September 2004. Daybook, USC News. Metro, Hurricane and Broadcast Editors: And Ivan makes four: USC expert can discuss hurricane season.

September 2004. Interview, *Charleston Daily News and Courier*. Discussion on South Carolina hurricane history and its major hurricanes.

September 2004. Interview, Aired on MSNBC News. Discussion on Hurricane Frances.

August 2004. Interview, WLTX-TV Channel 19. Columbia. Discussion on hurricanes Charley and Hugo, and the hurricane history of South Carolina.

August 2004. Daybook, USC News. Metro, Hurricane, Feature and Broadcast Editors: Charley's gone, but hurricane season remains.

May 2004. Daybook, USC News. USC climate expert can discuss film, 'The Day After Tomorrow.'

May 2004. USC Times News. Geographer awarded NSF grant to reconstruct 19th-century weather.

April 2004. Featured in the *Washington Post* Science News section (April 26, 2004) on weather during the Hunley event of February 1864 and related aspects of historical climate and hurricane reconstructions. Reprinted in the *Sun News* (Myrtle Beach, SC) and *Daily Herald* (Everett, WA).

March 2004. Interview, WOLO-TV Channel 25. Columbia/Charlotte. Discussion on springtime weather in South and North Carolina.

September 2003. Carolina News Network. Discussion on the probability of major landfalling hurricanes for South Carolina in the current and future context.

August 2003. Interview, *Greenville News*. Discussion on the recent wetness in South Carolina, its weather extremes, and potential climate impacts of the future.

August 2003. USC Times News. Large amount of rain in 2003 not unusual considering South Carolina's entire weather history.

August 2003. Interview, Climate Database Modernization Project (CDMP), National Climate Data Center, Asheville NC. Comments on the value of historical climate data to the CDMP community (a portion of the interview published on a CD-ROM).

August 2003. Interview, regarding climate information on the web. Published in Hardin, S. (2003, August/September), What do you do with it now that you have it? The impact of Web weather and climate information. *Bulletin of the American Society for Information Science and Technology* 29 (6), 17-20.

August 2003. Interview, WSPA Television, Spartanburg-Greenville Channel 7 and WLTX Television, Columbia Channel 19. Discussion on the current wetness, past drought, and hurricanes of South Carolina. Aired on the Evening News.

August 2003. Interview, SC News Network. Comments on the historical weather of South Carolina, the upcoming hurricane season, and the recent wetness. Some comments were published by the AP and appeared in the *Spartanburg Herald, The State, Rock Hill Herald, The Beaufort Gazette, Island Packet (Bluffton),* and *Myrtle Beach Sun News*.

July 2003. Interview, Carolina Minutes and S.C. Educational Radio. Aired on three occasions. Discussion on drought and floods of South Carolina, hurricane history, and snowstorms.

July 2003. Interview, *The Augusta Chronicle*. Past drought of the Southeast, historical climate and weather of Georgia and the Carolinas.

May 2003. Interview, *The State Newspaper* (Columbia, SC). June hurricanes in South Carolina.

July 2002. Interview, *The Charlotte Observer*. Paleodroughts of the Southeast United States.

May 2002. Interview, SC News Network. Comments on the progress and potential impacts of the current El Nino event.

February 2002. Interview, Charleston Associated Press Bureau. Weather and the CSS Hunley. Articles published in the *Spartanburg Herald, Greenville News,* and *Myrtle Beach Sun News*, and several television appearances.

January 2002. Interview, National Public Radio's Living on Earth Program. Historical climatology of the United States.

July 2001. Interview, South Carolina Department of Natural Resources, printed in *South Carolina Wildlife Magazine*. Climate impacts and global warming in South Carolina.

June 2001. Interview, *The Charlotte Observer*. Climate change and global warming in the Southeast United States.

May 2001. Interview, *The State Newspaper* (Columbia, SC). Welcome Back! USC segment on Southeast historical climate research.

April 2001. Interview, Carolina Minutes and S.C. Educational Radio. Aired on three occasions during Morning Edition. Discussion on climate change of South Carolina, hurricane history, and hurricane impacts.

March 2001. Interview, Hilton Head/Beaufort Radio Network. Discussion on hurricanes of the North Atlantic.

March 2001. Interview, *The State Newspaper* (Columbia, SC). Discussion on the hurricane history of South Carolina.

March 2001. Interview, *Charleston Post and Courier*. Comments on the hurricane history of South Carolina, particularly Charleston.

March 2001. Interview, *Myrtle Beach Sun News*. Comments on the hurricane history of South Carolina, particularly of the Grand Strand.

March 2001. Interview, *Greenville News*. Comments on the hurricane history of South Carolina.

March 2001. Interview, WVOC Radio, Channel 25, Columbia SC. Discussion on South Carolina hurricanes.

March 2001. Interview, South Carolina News Network. Discussion on famous South Carolina hurricanes.

March 2001. Media Advisory, NEWS, Office of Media Relations, University of South Carolina. "USC researcher: S.C. hurricane activity quiet when compared with 18th and 19th centuries", and "At USC workshop, weather researchers to discuss hurricane activity of the Atlantic Basin for the past 2,000 years."

March 2001. Article, USC Times, the official newspaper for faculty and staff at the University of South Carolina. International conference to focus on ancient Atlantic hurricanes.

November 2000. Interview, *The State Newspaper* (Columbia, SC). Discussion on the current and past drought in SC.

July 2000. Interview, South Carolina News Network. Discussion on hurricanes and climate history of South Carolina.

July 2000. Guest, Good Morning Columbia, WOLO-TV Channel 25, Columbia SC. Discussion on South Carolina weather history.

June 2000. Interview, *Spartanburg Herald*. Discussion on hurricanes of South Carolina.

June 2000. Media Advisory, NEWS, Office of Media Relations, University of South Carolina. USC experts shed light on foggy notions of summer weather (with G. Carbone and H. Power).

May 2000. Article, USC Times, the official newspaper for faculty and staff at the University of South Carolina. Comments on climate change and history, particularly for South Carolina.

May 2000. Interview, WSPA Television, Spartanburg-Greenville Channel 7 and WLTX Television, Columbia Channel 19. Discussion on climate and history of South Carolina. Aired on the Evening News.

April 2000. Media Advisory, NEWS, Office of Media Relations, University of South Carolina. USC climatologist begins NSF project to reconstruct South's weather history.

April 2000. Interview, Carolina Minutes and S.C. Educational Radio. Aired on three occasions during Morning Edition. Discussion on historical climate of the Southeast, global climate change, and weather and the media.

January 2000. Guest, Andy Thomas Show, Columbia SC. Half hour discussion on weather forecasting of the Southeast. This is a statewide syndicated talk show with twelve affiliate station contacts.

January 2000. Interviews, South Carolina News Network and the *Myrtle Beach Sun News*. Comments on snowstorms of South Carolina.