

DAVID A. CALL, Ph.D.

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Education

- Ph.D. **Syracuse University**, Syracuse, New York, 2007
Geography Dissertation: *An integrated hazard analysis of ice storm impacts, warnings, and emergency plans*
 Committee Members: Mark Monmonier (advisor), Susan Millar, Adam Burnett, Robert Wilson, Anne Mosher
- M.A. **Syracuse University**, Syracuse, New York, 2004
Geography Thesis: *Urban snow events in upstate New York: an integrated human and physical geographical analysis*
- B.S. **The Pennsylvania State University**, University Park, Pennsylvania, 1998
Meteorology Received with honors in Meteorology and a minor in Geography
 Undergraduate thesis: *El Niño based forecasts of monthly temperature and precipitation anomalies and their statistical significance*

Expertise

Weather and Society, Hazards, Winter Weather, Mesoscale Meteorology

Courses Taught at Ball State

Introduction to Physical Geography
Elementary Meteorology
Weather Analysis
Mesoscale Meteorology
Satellite and Radar Meteorology
Broadcast Meteorology
Field Observation of Severe Local Storms
Inquiries in the Earth Sciences (Honors Program)

Additional Courses Taught Elsewhere

Introduction to Geography
Geographic Information Systems (Lab Instructor)
Quantitative Methods (Lab Instructor)

Teaching and Research Experience

2007-pres. Associate Professor, Ball State University, Muncie, Indiana
(Assistant Professor, 2007-2013)

2004/06 Instructor, Syracuse University, Syracuse, New York (summer term)

- 2005-06 Teaching Associate, Syracuse University, Syracuse, New York
- 2005 Instructor, Onondaga Community College, Syracuse, New York (summer)
- 2002-04 Graduate Research and Teaching Assistant, Syracuse University, Syracuse, N.Y.
- 1999-02 Part-Time Lecturer in Meteorology, Penn State University, Erie, Pennsylvania

Other Professional Experience

- 2008-pres. Consulting Meteorologist, as contracted, mostly for court cases
- 2011-13 Severe Weather Expert, WTHR-TV 13 (NBC), Indianapolis, Indiana
- 2002-07 Part-time Meteorologist, Precision Weather Service, Baldwinsville, New York
- 2002-07 Part-time On-Air Meteorologist, WSTM-TV 3 (NBC), Syracuse, New York
- 2003 GIS Specialist, Federal Emergency Management Agency, New York City Office
- 1998-02 Weekend and Fill-in On-Air Meteorologist, WJET-TV 24 (ABC), Erie, Penna.

Refereed Publications – Journal Articles

- 2015 Call, D.A., K.E. Grove, and P.J. Kocin. A Meteorological and Social Comparison of the New England Blizzards of 1978 and 2013. *J. Operational Meteorology*, **3** (1), 1–10.
- 2014 Jaszka, K. D. and D. A. Call. A GIS-based assessment of lake-effect snow warnings in Upstate New York. *J. Operational Meteorology*, **2** (6), 59–70.
- 2014 Call, D.A. and J. S. M. Coleman. The Decision Process Behind Inclement-Weather School Closings: A Case-Study in Maryland. *Meteorological Applications* **21**, 474-480. (first published online 27 Nov. 2012)
- 2011 The Effect of Snow on Traffic Counts in Western New York State. *Weather, Climate, and Society* **3**:2, 71-75.
- 2010 A Survey of County Emergency Managers’ Response to Ice Storms. *Journal of Homeland Security and Emergency Management* **7**:1, article 32.
- 2010 Changes in Ice Storm Impacts over Time: 1886-2000. *Weather, Climate, and Society* **2**:1, 23-35.
- 2009 An Assessment of National Weather Service Warning Procedures for Ice Storms. *Weather and Forecasting* **24**:1, 104-120

- 2006 Fair Weather Ahead? Changes in Newspaper Weather Maps: 1902-2005. *The Pennsylvania Geographer* 43:2, 45-64.
- 2005 Rethinking snowstorms as “snow events:” A regional case study from Upstate New York. *Bulletin of the American Meteorological Society* 86:12, 1783-1793.

Refereed Publications – Others

- 2015 Meteorology and Cartography. In *History of Cartography, Volume 6*, Mark Monmonier, ed. University of Chicago Press.
- 2010 (with J.S.M. Coleman). Atmospheric Circulation. *Encyclopedia of Geography*, ed. Barney Worf. 131-136..
- 2005 Onondaga County [physical geography section] and Rensselaer County [physical geography section]. In *The Encyclopedia of New York State*, Peter Eisenstadt, ed. Syracuse, NY: Syracuse University Press.

Funded Grants

- 2015 ASPIRE Publication Support Grant, \$300, associated with the 2015 *Journal of Operational Meteorology* article. Approved 15 Jan 2015.
- 2014 ASPIRE Publication Support Grant, \$300, associated with the 2014 *Journal of Operational Meteorology* article. Approved 20 May 2014.
- 2013 Presidential Travel Grant, \$893, for travel to present at the American Meteorological Society Annual Meeting.
- 2013 CSH Dean’s Allocation, \$300, for travel to present at the American Meteorological Society Annual Meeting.
- 2013 Honors College Fellowship, \$1080. “An examination of meteorological factors that influence chain reaction accidents.”
- 2011 ASPIRE Publication Support Grant, \$300, associated with the 2011 *Weather, Climate, and Society* article. Approved 15 July 2011.
- 2010 American Meteorological Society Program Chair’s Grant, \$440, Approved 27 October 2010
- 2010 ASPIRE Publication Support Grant, \$300, associated with the 2010 *Weather, Climate, and Society* article. Approved 12 January 2010.

- 2009 SUBMIT Grant, \$100, associated with the 2009 NOAA grant proposal. Approved 23 September 2009.
- 2009 ASPiRE Publication Support Grant, \$300, associated with the 2008 *Weather and Forecasting* article. Approved 16 January 2009.
- 2008 SUBMIT Grant, \$100, associated with the 2008 NOAA grant proposal. Approved 17 September 2008.
- 2007 Lilly V Grant, \$12,325
- 2007 Natural Hazards Center Quick Response Grant, \$2000 (approved pending an ice storm)
- 2006 Roscoe Martin Dissertation Grant, \$600
- 2004-06 Future Professoriate Project Professional Development Grant, \$450 (twice)
- 2003-05 Maxwell Summer Stipend, \$2700 (three times)

Pending Grant Applications

- 2015 NOAA Collaborative Science, Technology, and Applied Research (CSTAR) Program. \$364, 086. “Defining Blizzards: Regional Characteristics and Societal Implications.” With J. S. M. Coleman and N. Hitchens as Co-PIs.

Unsuccessful External Grant Applications

- 2009 NOAA, \$24,472, “No School Today! How School Administrators Use Weather Information in Deciding to Close School due to Inclement Weather.” (Resubmit, but not reviewed; grantor funding issue once again.)
- 2008 NOAA, \$23,700, “No School Today! How School Administrators Use Weather Information in Deciding to Close School due to Inclement Weather.” (Not funded because NOAA did not receive expected research funds from U.S. Congress.)

Sponsored Presentations

- 2012 “Interrupted! The Impacts of Weather on Traffic and Schools.” Sponsored by Northern Illinois University Department of Geography. (DeKalb, Illinois).
- 2011 “(2010) East Coast Snowstorm Impacts.” Sponsored by AMS Presidential Travel Funds. American Meteorological Society Annual Meeting (Seattle, WA)

Conference Presentations

- 2015 “A Meteorological and Social Comparison of the Boston Blizzards of 1978 and 2013.” Association of American Geographers Annual Meeting (Chicago, Illinois). Co-authors: Katelyn Grove, Paul Kocin.
- 2014 “A Comparison of the Impacts from Nor’easters in 1978 and 2013.” American Meteorological Society Annual Meeting (Atlanta, Georgia). Co-author: Katelyn Grove.
- 2012 “The Decision Process Behind Inclement Weather School Closings: A Case Study in Maryland.” Association of American Geographers Annual Meeting (New York, New York)
- 2011 (presented by co-author J.S.M. Coleman) “The Decision Process Behind Inclement Weather and Secondary School Closures in Maryland, U.S.A.” Paper presented at the 19th International Congress of Biometeorology (Auckland, New Zealand)
- 2009 “Emergency Management Response to Ice Storms.” Association of American Geographers Annual Meeting (Las Vegas, Nevada)
- 2008 “An Assessment of How the National Weather Service Warns for Ice Storms.” Association of American Geographers Annual Meeting (Boston, Mass.)
- 2007 “Impacts of Ice Storms: The Shocking Truth.” Association of American Geographers Annual Meeting (San Francisco, Calif.)
- 2006 “The Decision Making Process Behind Weather Related School Closings.” Association of American Geographers Annual Meeting (Chicago, Illinois)
- 2005 “A Flood of Information: The Growth of Weather Pages in Newspapers, 1902-2002.” Association of American Geographers Annual Meeting (Denver, Co.)
- 2005 “Lessons Learned from Major Snow Events in Upstate New York.” American Meteorological Society Annual Meeting (San Diego, California)
- 2004 “Lessons Learned from Major Snow Events in Upstate New York.” Great Lakes Operational Meteorology Workshop (Buffalo, New York)
- 2004 “What Defines a Snow Event? A Case Study in Upstate New York.” Association of American Geographers Annual Meeting (Philadelphia, Penna)

Invited Presentations

- 2013 “Storm Chasing at Ball State: Reflections after 5 years and 45,000 miles.” Friends of the Bracken Library Annual Dinner (Muncie, Indiana), April 2013.

- 2012 “Storm Chasing at Ball State.” Muncie Exchange Club (Muncie, Indiana), April 2012 Meeting.
- 2011 “Weather Safety and Storm Chasing.” Yorktown 4-H Club (Yorktown, Indiana), March 2011 Meeting.
- 2010 “All About Storm Chasing.” Community Center for Vital Aging (Muncie, Indiana), October 2010 Special Event.
- 2009 “No Tornadoes, but a Terrific Time: A Review of the 2009 Storm Chase.” E.B. Ball Center Docent’s Forum (Muncie, Indiana), April.
- 2009 “No Tornadoes, but a Terrific Time: A Review of the 2009 Storm Chase.” First Presbyterian Church Men’s Group (Anderson, Indiana), September 2009 Meeting.
- 2009 “Storm Chase 2008: A Look Back.” Ball State University Academic Advisors’ April 2009 Meeting.
- 2009 “Storm Chase 2008: A Look Back.” Muncie, Indiana, Optimist Club March 2009 Meeting
- 2008 “Global Warming: Facts, Myths, and Effects on Indiana.” Focus the Nation Teach-In, Ball State University
- 2007 “Weathering Global Warming.” Community Roundtable, State University of New York at Cortland
- 2005 “Lessons for Meteorologists from Major Snow Events in Upstate New York.” American Meteorological Society, Central New York Chapter, (Liverpool, NY)

Graduate Students Advised

Wilson, Caleb (M.S.), in progress. (Thesis advisor)

Eckstein, Nick, Caleb (M.S.), in progress. (Committee member)

Grove, Kate (M.S.), completed 2015. (Thesis advisor)

Pesel, Brent (M.S.), completed 2015. (Committee member)

Stefl, David (M.S.), completed 2014. (Committee member)

Jaszka, Keith (M.S.), completed 2013. (Thesis advisor)

Phillips, Anthony (M.S.), completed 2012. (Thesis advisor)

Widen, Holly (M.S.), completed 2012. (Committee member)

Klotz, Adam (M.S.), completed 2011. (Thesis advisor)

Lindsey, Amy (M.S.), completed 2009. (Committee member)

Aleksa, Matthew (M.S.), completed 2008. (Committee member)

Clemens, David (M.Arch), completed 2008. (Committee member)

Smith, Brian (M.S.), completed 2007. (Committee member)

University, College, and Departmental Service

- 2008-pres. Advisor, Ball State Storm Chasing Team
- 2007-pres. Advise around 20 departmental majors each semester
- 2007-pres. Lead approx. 15 half-hour tours to prospective students each academic year
- 2015-
Departmental: Undergraduate Curriculum Committee, Salary Committee,
Colloquium Committee
University: Institutional Review Board
- 2014-2015
Departmental: Tenure-track Hire Search Committee (Chair), Salary Committee
(Chair), Promotion and Tenure Committee
University: FSSEC Committee
- 2013-2014
Departmental: Assessment Committee, Chair Election Committee
University: FSSEC Committee
- 2012-2013
Departmental: Assessment Committee
University: FSSEC Committee
- 2011-2012
Departmental: Promotion and Tenure Committee (Chair)
College: Promotion and Tenure Committee
University: FSSEC Committee, Discussion Leader, Ball State Freshman
Connections Reader
- 2010-2011
Departmental: Promotion and Tenure Committee, Assessment Committee,
UCC-21 Committee, Cardinal Preview Days Representative (Sept.)
University: FSSEC Committee; Discussion Leader, Ball State Freshman
Connections Reader
- 2009-2010
Departmental: Assessment Committee
University: Discussion Leader, Ball State Freshman Connections Reader
- 2008-2009
Departmental: UCC-21 Committee, Awards Committee, Graduation
Representative (May)
University: Discussion Leader, Ball State Freshman Connections Reader
- 2007-2008

Departmental: Cardinal Preview Days Representative (Feb.)

Service to the Academic Community

- 2007-pres. Reviewer of article for various journals, including AMS journals. Typically review 3-5 articles per year.
- 2012-2013 Vice President, Indiana Chapter of the American Meteorological Society
- 2009-2011 Secretary, Indiana Chapter of the American Meteorological Society
- 2009-2010 Reviewer for *John Wiley and Sons* (book proposal)
- 2008, 2009 Judge for Student Competition, Climate Specialty Group, Association of American Geographers

Select Media Outreach

- 8/2007-pres. Regularly quoted by the *Ball State Daily News* and *The (Muncie) Star-Press*, and occasionally interviewed by *Newslink Indiana* (BSU student-produced newscast).
- 2013-14 One of two guests on hour long WICR show “Hoosier History Live!” speaking about tornado history and storm chasing. Sole guest on 30-minute radio interview show *Indiana Weekend*, hosted by John Strauss, on 2/1/2014. Several press releases issued in connection with the unusually cold winter of early 2014 led to widespread media coverage and media interviews in cities as far away as Cleveland, Ohio, Chicago, Illinois, and South Bend, Indiana.
- 2011-13 WTHR-TV 13 (Indianapolis): Contracted severe weather specialist, introduced as an assistant professor at Ball State. Appeared on-air as needed, around 15 days in total. I discussed severe winter weather, thunderstorms, tornadoes, lightning, drought, and other topics. Position ended when new management hired additional on-air regular staff, eliminating the need for a part-timer.
- 2012-13 Op-ed on storm-chasing (written in response to several chaser deaths on 5/31/2013) ran in at least a dozen newspapers, including the *Muncie Star-Press*, *Indianapolis Star*, *New York Post*, and other newspapers in states as diverse as Florida, Kansas, and Ohio.
- 2010-11 *Indianapolis Star* (front page), *Fort Wayne News-Sentinel*, WJET-TV (Erie, PA), www.healthnewsdigest.com, www.wave3.com. Also quoted via press release in multiple papers in connection with a major ice storm on Jan. 31-Feb. 1, 2011.
- 2008-09 *Indiana Expeditions* (5 minute segment; show produced by WFYI-TV, Indianapolis), WIBC-FM (Indianapolis, IN; multiple interviews), WSBT-AM (South Bend, IN)

Professional Training

- 2011 Attended COMET Satellite Faculty Course on “Advances in Satellite Meteorology,” August 7-13, at the National Center for Atmospheric Research in Boulder, Colorado. All expenses were covered by the COMET.
- 2005-06 WAS*IS (Weather and Society Integrated Studies) Workshops, National Center for Atmospheric Research, Boulder, Colorado
- 2004-07 Future Professoriate Program, Syracuse University, Syracuse, New York

Awards & Honors

- 2012 Gamma Theta Upsilon Outstanding Teaching Award (BSU Chapter)
- 2011 Gamma Theta Upsilon Outstanding Teaching Award (BSU Chapter)
- 2009 American Meteorological Society Certified Broadcast Meteorologist #378
- 2007 Certificate in University Teaching, Syracuse University
- 2004-07 University Fellowship, Syracuse University
- 2005-07 Teaching Fellow, Graduate School of Syracuse University
- 2005 Gilbert F. White Award for Outstanding Thesis/Dissertation
Awarded by the Hazards Specialty Group of the Assoc. of American Geographers
- 2002-04 Graduate Assistantship, Syracuse University
- 2004 Sigma Xi Graduate Research Award (Syracuse Chapter)
- 2002 National Weather Association Seal of Approval for Television #0205786
- 2000 American Meteorological Society Seal of Approval for Television #1144

Professional Memberships

- American Meteorological Society (including Indiana Chapter)
- Association of American Geographers (including Climate and Hazards Specialty Groups)
- National Weather Association