

Rachel E. Butterworth

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Present Address:

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14324 Euclid Ave
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Objective: To pursue research and a career focusing on the societal impacts of weather as well as how information from media outlets is incorporated into people's decision-making processes.

Education: Interdisciplinary Master of Science August 2010
University of Oklahoma (OU) Norman, OK
Concentration: Communication and Meteorology
G.P.A.: 3.67/4.00

Bachelor of Science, Cum Laude May 2008
Iowa State University (ISU) Ames, IA
Major: Meteorology Minor: Journalism
G.P.A.: 3.56/4.00

Research Experience: **Graduate Research Assistant** Fall 2008-Present
Center for Collaborative Adaptive Sensing of the Atmosphere (CASA) Norman, OK

- Focus on public understanding of radar information
- Study risk communication in weather hazards

Undergraduate Researcher Fall 2007
ISU Meteorology Undergraduate Senior Thesis Ames, IA

- Surveyed 318 university students regarding their understanding of Doppler radar
- Composed written and oral presentation of thesis, "A Survey of the Public Understanding of Doppler Radar"

Undergraduate Research Assistant Summer 2007
National Weather Center Research Experiences for Undergraduates Norman, OK

- Assisted in crafting proposal to National Science Foundation
- Developed content for material to educate the public about Doppler radar
- Prepared survey documents to be submitted to ISU Institutional Review Board

Work Experience: **Assistant Director** May 2008-August 2008
National Weather Center Research Experiences for Undergraduates Program Norman, OK

- Assisted in development of content for 10-week long summer research program
- Organized workshops, science talks and tours of different meteorological organizations within the National Weather Center and surrounding area
- Corresponded with and coordinated 11 undergraduates and their mentors

Student Role Model Coordinator Fall 2007-Spring 2008
ISU Program for Women in Science and Engineering Ames, IA

- Trained and coordinated university students to visit K-12 classrooms and present hands-on science, technology, engineering, and math activities
- Corresponded with educators across the state of Iowa

Professional Experience:	Attended 89 th Annual AMS Meeting, Phoenix, AZ	January 2009
	Next Generation Warnings Workshop Participant, Norman, OK	December 2008
	OU SSWIM and K20 Education Workshop Participant, Norman, OK	December 2008
	Central Oklahoma Chapter of the National Weather Association (NWA)	Fall 2008-Present
	OU Student Chapter of the AMS	Fall 2008-Present
	Presented <i>Communicating weather radar to public audiences</i> poster at 7 th Student Conference, 88 th Annual AMS Meeting, New Orleans, LA	January 2008
	American Meteorological Society	Spring 2005-Present
	Attended National Weather Service Advanced Spotter Training Workshop, Ames, IA	Spring 2007, 2008
	Central Iowa Chapter of the NWA	Fall 2005-Spring 2008
	ISU Student Chapter of the AMS	Fall 2004-Spring 2008
Vice President, Fall 2007-Spring 2008, Secretary Fall 2006-Spring 2007		
Volunteer Experience:	Judge, Oklahoma Mesonet Science Fair	February 2009
	Summarized panel discussion at 4 th Policy Symposium, 89 th Annual AMS Meeting, Phoenix, AZ	January 2009
	Organized registration materials and participants for 11 th and 12 th Annual Severe Weather and Doppler Radar Conferences, Des Moines, IA	March 2008, 2007
	Led hands-on weather activities for elementary and middle school girls during <i>Taking the Road Less Traveled</i> career conferences, Ames, IA	Fall 2006-Spring 2008
	Organized several severe weather talks at local elementary schools, Ames, IA	Fall 2006-Spring 2008
	Taught 80 1 st graders and 120 9 th graders about weather at former elementary and high schools, Apple Valley, MN	Spring 2008
Travel Experience:	Lived in Minnesota (born and raised), Iowa, and Oklahoma	
	Visited most states in the U.S.	
	Hiked and skied in Colorado multiple times	
	Engaged in humanitarian work in Jamaica (2001) and Kosovo (2004)	