

Matthew David Biddle

One Page Vitae

15 Sept 2004

EDUCATION: HS - Ida Michigan, 1981. BA - Geography: The University of Toledo, Toledo, OH. 1986. MA - Geography: The University of Oklahoma, Norman, OK. 1994. Specialties: Natural Hazards, Environmental Issues. Doctoral Candidate - Geography: The University of Oklahoma (ABD as of 15 April 2004 with projected graduation in Spring 2005. Specialties: Warning Systems, Natural Hazards, Risk Communications, Great Plains. Dissertation: *FORMAT, UTILITY, AND VALUE ISSUES IN THE IMPLEMENTATION OF PROBABILITY-BASED TORNADO WARNINGS FOR PUBLIC USE.*

CURRENT CAREER GOALS (in order of interest): 1) Post-Doc research in human ecology of risk communication / environmental risk; 2) R&D Position in forecast/warning product development and user characterization with government or private sector; 3) Public administration or corporate oversight post in emergency management and/or environmental health and safety; 4) Teaching and / or research position within academia in Geography or Earth Sciences department.

SUMMARY OF SELECTED PAST EMPLOYMENT:

Graduate Research Assistant - (June 2004-present) *Environmental Verification and Analysis Center (Univ. of Oklahoma)*. Oklahoma Wind Power Initiative. Public outreach and tech support. Development of wind climatologies.

Graduate Teaching Assistant / Instructor - (1998 to present) - *Univ. of Oklahoma, Dept. of Geography*. Physical Geography Labs (1000 level), Human Ecology of Disasters (3000 level) course, Earth Systems (3000 level) course.

Graduate Research Assistant - (various dates 1998 to 2002) - *Univ. of Oklahoma, Science and Public Policy Program*. Drought and wildfire response policy among emergency management, fire protection and law enforcement agencies.

Research Associate - (1995 to 1997) - *The Tornado Project, St. Johnsbury, VT*. Archival research on historical tornado disasters in Great Plains and Midwest for major publication.

Regulatory Programs Specialist - (1993) - *Fluor / Fernald, Fernald, OH*. Compliance review of programs and activities under Federal environmental law at a Dept. of Energy nuclear weapons facility and Superfund site. Safety planning, environmental monitoring, Technical report writing.

Environmental Health Technician - (1992) - *US Army, Fort Sill, OK (Civil Service)*. Hazardous waste site remediation, emergency response, site safety and compliance inspections, spill plans prep.

Environmental Specialist - (1988-1991) - *Oklahoma State Dept. of Health, Environmental Division, Superfund Program*. Statewide site investigation of hazardous and solid waste sites.

VOLUNTEER ACTIVITY:

Field Research Assistant (since 1995): National Severe Storms Laboratory affiliated severe weather intercept research projects including VORTEX, VORTEX-rfd, Sub-VORTEX, STEPS, IHOP, and *National Geographic* Funded >Into the Tornado.= Primary role as Mobile Mesonet tornado intercept Driver with other duties in safety, logistics, and equipment.

Emergency Management Volunteer - (1996-present)- *Oklahoma County Emergency Mgmt.*, OKC, OK. Severe storm spotting, Mobile Command Post, EOC support, public relations, training. Federal Bldg (95) and Tornado (99) responder.

Emergency Management Coordinator - (1992) - *Medicine Park, OK*. Attempted to establish emergency management program from ground up. Mutual aid agreements, warning system design.

PAID CONSULTING / STORM CHASING: *Twister* (Amblin) - 1995: Storm Chasing with 2nd Unit Vehicles, OK and IA sets.

The Day After Tomorrow (20th Cent. Fox) - 2002: Lead Storm Chaser, Field Weather Safety Mgr, Central Plains Sets.

TRAINING CONCENTRATIONS: **Severe Weather, Hazardous Materials**, Environmental Monitoring and Remedial Operations, Emergency Management, Basic Fire Fighting, NBC and Terrorism Preparedness, Damage Assessment.

PUBLICATIONS: Numerous publications in **Severe Weather Warning Systems** and Community Risk Perception.

To view a sample go to: <http://www.colorado.edu/hazards/qr/qr116/qr116.html>

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