

Curriculum Vita

Allen J. Riordan

Associate Professor of Meteorology

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Education

M. S. in meteorology, 1968, University of Wisconsin
Ph.D. in meteorology, 1977, University of Wisconsin

Courses Taught (Past 5 Years)

MEA 213	Fundamentals of Meteorology I <i>a two-hour required introduction for meteorology majors</i>
MEA 313	Weather Measurements and Analysis I <i>a required introductory lab for meteorology majors</i>
MEA 314	Weather Measurements and Analysis II <i>a required introductory lab for meteorology majors</i>
MEA 422	Atmospheric Dynamics II <i>a required core course: dynamics for majors</i>
MEA 512	Satellite Meteorology <i>a graduate elective in instrumentation and applications of satellite data in meteorological analysis</i>

Outstanding Teacher award 1990

Recognition as Alumni Distinguished Undergraduate Professor, 2004

Outstanding Extension Service Award, 2006

Refereed Publications (last 10 years)

Holland, A. P., A. J. Riordan, and C. E. Franklin, 2006: A simple model for simulating tornado damage in forests. *J. Appl. Meteor. and Climatol.* In press.

- Brennan, M. J., K. Keeter, A. J. Riordan, and G. M. Lackmann, 2005: Expanding horizons with an NWS internship course. *Bull. Amer. Meteor. Soc.*, **86**, 1407-1409.
- Appel, K. W., A. J., Riordan, and T. Holley, 2005: An objective climatology of Carolina coastal fronts. *Weather and Forecasting*, **20**, 439-455.
- Riordan, Allen J., 2003: Forecasting for a remote island: a class exercise. *Bull. Amer. Meteor. Soc.*, **84**, 777-784.
- Egentowich, J. M., Kaplan, M. L., Lin, Y. -L., and Riordan, A. J., 2000: Mesoscale simulations of dynamical factors discriminating between a tornado outbreak and non-event over the southeast U S. Part I: 84-48 hour precursors. *Meteor. Atmos. Phys.*, **74**, 129-157.
- Egentowich, J. M., Kaplan, M. L., Lin, Y. -L., and Riordan, A. J., 2000: Mesoscale simulations of dynamical factors discriminating between a tornado outbreak and non-event over the southeast U S. Part II: 48-6 hour precursors. *Meteor. Atmos. Phys.*, **74**, 158-187.
- Egentowich, J. M., Kaplan, M. L., Lin, Y. -L., and Riordan, A. J., 2000: Mesoscale simulations of dynamical factors discriminating between a tornado outbreak and non-event over the southeast U S. Part III: 6 hour precursors. *Meteor. Atmos. Phys.*, **74**, 189-215.
- Aneja, Viney P., R. G. Oommen, A. J. Riordan, S. P. Arya, and R. J. Wayland, 1999: Ozone patterns for three metropolitan statistical areas in North Carolina. *Atmos. Environ.*, **33**, 5081-5093.
- Langmaid, Adam H., and A. J. Riordan, 1998: Surface mesoscale processes during the 1994 Palm Sunday tornado outbreak. *Mon. Wea. Rev.*, **126**, 2117-2132.
- Hoiium, Debra K., A. J. Riordan, J. Monahan, and K. K. Keeter, 1997: Severe thunderstorm and tornado warnings at Raleigh, North Carolina. *Bull. Amer. Meteor. Soc.*, **78**, 2559-2575.