

## **Kenneth E. Parsons**

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### ***Education***

Purdue University, West Lafayette, Indiana; Ph.D., Atmospheric Science, 2001.

Troy State University, Troy, Alabama; M.S., Management, 1980.

Pennsylvania State University, University Park, Pennsylvania; B.S., Meteorology, 1970.

Miami University, Oxford, Ohio; B.S., Chemistry, 1969.

### ***Other Training***

#### **Technical Courses**

Pennsylvania State University/National Center for Atmospheric Research  
Mesoscale Model Version 5 (PSU/NCAR MM5) tutorial class; 1998  
Hands-On Dispersion Modeling, Bowman Environmental Engineering; 1991  
Basic Air Pollution Meteorology, U.S. Environmental Protection Agency, Air  
Pollution Training Institute; 1989  
Weather Satellite Systems and Photo Interpretation, U.S. Air Force, Air Weather  
Service; 1976  
Advanced Meteorological Applications, U.S. Air Force, Air Weather Service;  
1975  
Instructor Training Course, U.S. Air Force, Air Training Command; 1972

#### **Professional Military Education**

Air War College	1984
Air Command and Staff College	1977
Squadron Officer School	1974

### ***Experience***

2001-Present	Assistant Professor, Department of Meteorology, Embry-Riddle Aeronautical University, Prescott, Arizona
1996-2001	Teaching Assistant/Research Assistant, Department of Earth and Atmospheric Sciences (Advisor: Professor P.J. Smith), Purdue University, West Lafayette, Indiana
1993-1996	Adjunct Instructor of Meteorology, Department of Aeronautics, Miami University, Oxford, Ohio

1991-1996 Meteorologist, Air Quality Services Division, International Technology Corporation (IT), Cincinnati, Ohio

1989-1990 Office Manager, Williams Stone Company, Inc., East Otis, Massachusetts

1984-1989 Chief, Twenty-First Air Force Weather Support Unit, 15th Weather Squadron, McGuire Air Force Base, New Jersey

1982-1984 Detachment Commander, Detachment 24, 26th Weather Squadron, K.I. Sawyer Air Force Base, Michigan

1981-1982 USAF representative to NATO's Tactical Weather Network (TWN) and Allied Command Europe Weather Exchange (ACEWEX) working groups

1978-1982 Weather Communications Officer, Headquarters 2nd Weather Wing, Ramstein Air Base, Germany

1977-1978 2d Infantry Division Staff Weather Officer, Operating Location C, Detachment 18, 30th Weather Squadron, Camp Casey, Korea

1975-1977 Weather Officer, Air Force Global Weather Central, Offutt Air Force Base, Nebraska

1972-1975 Academic Instructor, 71st Student Squadron, Vance Air Force Base, Oklahoma

1970-1972 Weather Officer, Detachment 8, 26th Weather Squadron, Griffiss Air Force Base, New York

1967-1967 Laboratory Technician, National Cash Register Company, Dayton, Ohio

1966-1966 Machine Tender, St. Regis Paper Company, Dayton, Ohio

### ***Professional Affiliations***

Air and Waste Management Association (AWMA)  
 American Meteorological Society (AMS)

### ***Awards***

#### **Personal**

Purdue Research Foundation Grant  
 AMS Travel Scholarship to Ninth Symposium on Global Change Studies  
 IT Corporation Quarterly Quality Award for Fourth Quarter 1993  
 Meritorious Service Medal with oak leaf cluster  
 Air Force Commendation Medal  
 Army Commendation Medal  
 Air Force Reserve Officer Training Corps Distinguished Graduate  
 Air Force Reserve Officer Training Corps Scholarship  
 Paper Technology Scholarship

#### **Group**

IT Corporation 1993 National Quality Award presented to the Savannah River Team  
 Air Weather Service 1984 and 1989 Moorman Awards for the Outstanding Specialized Weather Unit presented to the Twenty-First Air Force Weather Support Unit

Air Weather Service 1989 Squadron of the Year presented to 15th Weather Squadron  
Air Force 1988 Outstanding Unit Award presented to Headquarters Twenty-First Air Force

### ***Publications/Reports***

Parsons, K.E., 2001: The role of subsynoptic processes in extratropical cyclone development. Ph.D. dissertation, Purdue University, West Lafayette, Indiana, 142 pp.

“Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 Guidance Package for Armed Forces Experimental Training Activity, Camp Peary, Williamsburg, Virginia,” May 1996

“A Training Manual for the Savannah River Technical Center,” submitted to Westinghouse Savannah River Company, February 1993

“Review of Power Plant Siting Requirements and Costs,” submitted to U.S. Department of Energy, February 1992

“Impact of Weather on Combat Plans and Operations on the Korean Peninsula,” submitted to the 2 Infantry Division, May 1978

### ***Conference/Workshop Presentations***

Parsons, K.E., and P.J. Smith, 2000: The role of subsynoptic processes in synoptic-scale extratropical cyclone development. Paper presented at the *11th Cyclone Workshop*, Pacific Grove, California, August 27-31, 2000.

Parsons, K.E., M.F. Szabo, B.A. Laseke, and E.C. Trexler, 1992: Review of power plant siting requirements and costs. Paper presented at the *85th Annual Meeting of the AWMA*, Kansas City, Missouri, June 21-26, 1992.