

## John T. Snow

### PERSONAL INFORMATION

**Date of Birth:** 14 December 1945

**Title:** Regents' Professor of Meteorology and Dean Emeritus, College of Atmospheric and Geographic Sciences, The University of Oklahoma

**Date University of Oklahoma Employment Began:** 1 January 1994

**Work Address:** School of Meteorology, National Weather Center, Suite 5710, 120 David L. Boren Blvd., Norman, Oklahoma 73072

### GENERAL INFORMATION

#### Education

Ph.D., Purdue University, 1977; Major - atmospheric science. Thesis title: An investigation of multiple vortex phenomena in tornado-like flows.

M.S., Rose Polytechnic Institute (now Rose-Hulman Institute of Technology), 1969; Major - electrical engineering. Thesis title: An analysis of a meander-line slow wave structure for use in a microwave maser.

B.S. (with honors), Rose Polytechnic Institute, 1968; Major - electrical engineering.

#### Professional Experience

Dean Emeritus, 7/10 to date

Regents' Professor of Meteorology, 10/09 to date

Professor of Meteorology and Dean, College of Atmospheric and Geographic Sciences (formerly College of Geosciences), The University of Oklahoma, Norman, OK; 1/94 to 6/10

Professor (7/89-12/93); Associate Professor (7/84-6/89); Assistant Professor (7/79-6/84); Visiting Assistant Professor (8/77-6/79). Department of Earth and Atmospheric Sciences (formerly Department of Geosciences), Purdue University, West Lafayette, IN; 8/77-12/93.

Lieutenant-Colonel, United States Army, 22nd Support Command, Dhahran, Saudi Arabia; 12/90 - 7/91; retired from US Army Reserve 8 July 1996 with 28 years of service (including 9½ years active duty service)

Professor Associe, Universite Paul Sabatier, Toulouse, France; 5/89-6/89; 5/98-8/98.

Visiting scientist, Centre de Recherches Atmospheriques, Campistrous, France; 2/88-7/88.

#### Professional Organizations

Member of: American Meteorological Society (Fellow)  
Royal Meteorological Society (Fellow)  
American Geophysical Union  
American Society of Testing and Materials  
Sigma Xi

**Certification:** Certified as a Consulting Meteorologist by the American Meteorological Society (Certificate Number 423)

**Professional Activities:** Member, NRC Board on Atmospheric Sciences and Climate; Member, NSF Geosciences Advisory Council; Chair, NEXRAD Technical Advisory Committee; *ex officio* Board Member, Weather Decision Technologies, Inc.; past member, NOAA Science Advisory Board; past chair, American Meteorological ad hoc Committee on the Weather and Climate Enterprise; organizing committee, biannual European Conference on Severe Storms; past Chair, AGU Committee on Education and Human Resources; past Chair, AMS Education Advisory Committee; past chairman, Board of Trustees, University Corporation for Atmospheric Research; chair (2<sup>nd</sup> term), past chair (2x), Board for Oceans and Atmosphere, National Association of State Universities and Land Grant Colleges; past Commissioner for Education and Human Resources, American Meteorological Society

## **Selected Research Publications**

- Urban meteorology: Forecasting, Monitoring, and Meeting Users' Needs (2012): National Academy Press (editor, contributing author, and committee co-chair)
- When weather matters: Science and services to meet critical societal needs (2010): National Academy Press (contributing author and committee member)
- Where the weather meets the road: A Research Agenda for Improving Road Weather Services (2004): National Academy Press,
- The formation of vertical vortices in the convective boundary layer (2000); with K.M. Kanak and D.K. Lilly. Quarterly Journal of the Royal Meteorological Society, **126**, pp. 2789-2810.
- Long Distance Transport of Debris by Tornadoic Thunderstorms: Part 1 - The Ardmore, Oklahoma Storm of 1995 (1998); with M. Magsig. Monthly Weather Review, June
- Tornadoes -- Nature's Most Violent Wind: with A.L. Wyatt. Parts I and II. Weather; Part 1 - October 1997, pp. 298-304; Part 2 - March 1998.
- Considerations in Exploring Laboratory Tornado-like Vortices with a Laser Doppler Velocimeter: with D.E. Lund. Jour. Atmos. Oceanic Tech. July 1997.
- Fallout of Debris from Tornadoic Thunderstorms: An Historical Perspective and Two Examples from VORTEX (1995): with A.L. Wyatt, A.K. McCarthy, and E.K. Bishop. Bull. Amer. Meteor. Soc., **76(10)**, 1777-90.
- The Importance and Use of Volumetric Radar Data to Infer Storm Structure: A Case Study Of 2 June 1990 (1993): with R.W. Przybylinski, E.M. Agee, and J.T. Curran. The Tornado: Its Structure, Dynamics, Prediction, and Hazards (C. Church, D. Burgess, C. Doswell, and R. Davies Jones, eds.). Geophysical Monograph 79, American Geophysical Union, Washington, D.C. pp. 241-250.
- Comparative Description of Tornadoes in France and the U.S. (1993): with J. Dessens. Proceedings of Tornado Symposium III. The Tornado: Its Structure, Dynamics, Prediction, and Hazards (C. Church, D. Burgess, C. Doswell, and R. Davies Jones, eds.). Geophysical Monograph 79, American Geophysical Union, Washington, D.C. pp. 427-434.
- Laser Doppler Velocimeter Measurements in Tornado-like Vortices (1993): with D.E. Lund. The Tornado: Its Structure, Dynamics, Prediction, and Hazards (C. Church, D. Burgess, C. Doswell, and R. Davies Jones, eds.). Geophysical Monograph 79, American Geophysical Union, Washington, D.C. pp. 297-302.
- Laboratory Models and Physical Analogs (1993): with C.R. Church. The Tornado: Its Structure, Dynamics, Prediction, and Hazards (C. Church, D. Burgess, C. Doswell, and R. Davies Jones, eds.). Geophysical Monograph 79, American Geophysical Union, Washington, D.C. pp. 277-295.

## **Selected Research-Related Presentations**

- Seminar at Purdue University, 11 Mar 96: Debris lofting and Transport by Tornadoic Thunderstorms: First results from a two-year field study.
- Fallout of Debris from Tornadoic Thunderstorms 1: An Historical Perspective. J.T. Snow, A.L. Wyatt, A.K. McCarthy, E.K. Bishop, M.A. Magsig, and C.H. Levison (oral presentation) 18th Conference on Severe Local Storms, 19 - 23 Feb 96 (San Francisco, California).
- Fallout of Debris from Tornadoic Thunderstorms 2: Examples from 1994 and 1995: C.H. Levison, M.A. Magsig, J.T. Snow, and A.L. Wyatt (poster) 18th Conference on Severe Local Storms, 19 - 23 Feb 96 (San Francisco, California)
- Long Range Debris Transport and Fallout in the Ardmore, Oklahoma Tornado of 7 May 1995. M.A. Magsig, C.H. Levison, J.T. Snow, and A.L. Wyatt (poster) 18th Conference on Severe Local Storms, 19 - 23 Feb 96 (San Francisco, California)
- Long Distance Transport of Debris by Tornadoic Thunderstorms (1994): with A.L. Wyatt. AGU Winter Meeting (December, 1994; San Francisco, CA), American Geophysical Union, Washington, D.C.
- Lovelock's Daisy World: Explorations Using the STELLA Modeling Software (1993). AGU Winter Meeting (December 1993; San Francisco, CA), American Geophysical Union, Washington, D.C.