

CURRICULUM VITAE

LAWRENCE B. DUNN

Personal:

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Education:

- 1993 Ph.D., Meteorology, University of Utah
Doctoral Thesis: 'Evaluation of the National Meteorological Center Mesoscale Model for Prediction of Severe Convection Over Central Arizona,' J. Horel, advisor
- 1982 M.S., Atmospheric Sciences, University of Washington
- 1979 B.S., Meteorology, University of Utah

Professional Experience:

- 2013-date Adjunct Professor, Department of Atmospheric Science, University of Utah, Salt Lake City, UT
- 2001-2015 Meteorologist in Charge, National Weather Service, Salt Lake City Forecast Office, Salt Lake City, UT
- 1994-2001 Science and Operations Officer, National Weather Service, Salt Lake City Forecast Office, Salt Lake City, UT
- 1993-1994 Research Forecaster, National Weather Service, Salt Lake City Forecast Office, Salt Lake City, UT, June 1993-June 1994.
- 1989-1993 Meteorologist, National Weather Service, Western Region Headquarters, Scientific Services Division, Salt Lake City, UT, December 1989-June 1993.
- 1985-1989 Research Forecaster, National Weather Service, Denver Forecast Office, Denver, CO, June 1985-December 1989
- 1979-1985 Meteorologist, National Weather Service, Western Region Headquarters, Scientific Services Division, Salt Lake City, UT, June 1979-June 1985
- 1978-1979 Student Trainee, National Weather Service, Colorado Basin River Forecast

Center, Salt Lake City, UT, June 1978-June 1979

Refereed publications:

Dunn, L.B. and S.V. Vasiloff, 2001: Tornadogenesis and Operational Considerations of the 11 August 1999 Salt Lake City Tornado as Seen from Two Different Doppler Radars. *Wea. Forecasting*, **16**, 377-398.

Dunn, L.B., and J.D. Horel, 1994: Prediction of Central Arizona Convection. Part I. Evaluation of the NGM and Eta Model Precipitation Forecasts. *Wea. Forecasting*, **9**, 495-507.

Dunn, L.B., and J.D. Horel, 1994: Prediction of Central Arizona Convection. Part II. Further Examination of the Eta Model Forecasts. *Wea. Forecasting*, **9**, 508-521.

Dunn, L.B., 1992: Evidence of Ascent in a Sloped Barrier Jet and an Associated Heavy Snow Band. *Mon. Wea. Rev.*, **120**, 914-924.

Dunn, L.B., 1991: Evaluation of Vertical Motion: Past, Present, and Future. *Wea. Forecasting*, **6**, 65-75.

Dunn, L.B., 1990: Two Examples of Operational Tornado Warnings Using Doppler Radar Data. *Bull. Amer. Meteor. Soc.*, **71**, 145-153.

Dunn, L.B., 1988: Vertical Motion Evaluation of a Colorado Snowstorm from a Synoptician's Perspective. *Wea. Forecasting*, **3**, 261-272.

Dunn, L.B., 1987: Cold Air Damming by the Front Range of the Colorado Rockies and its Relationship to Locally Heavy Snows. *Wea. Forecasting*, **2**, 177-189.

Dunn, L.B., 1986: An Example of Subjective Interpretation of Network Profiler Data in Real-Time Forecasting. *Wea. Forecasting*, **1**, 219-225.

Book Chapter

Dunn, L.B., Modern Weather Forecasting. In: Potter and Colman (eds). Handbook of Weather, Climate, and Water; Dynamics, Climate, Physical Meteorology, Weather Systems, and Measurements, pp. 677-688. Wiley-Interscience, 2003.

Other appointments, honors, and awards:

Fellow, American Meteorological Society
Associate Editor, *Wea. Forecasting* 1993-1998
Department of Commerce Gold Medal, 1996

Department of Commerce Bronze Medal, 2002
National Weather Service Modernization Award, 1996
Distinguished Alumni Award, University of Utah Meteorology Department, 2005
AMS Fellows Committee 2008-2010
AMS Committee on Radar Meteorology 2003-2005
AMS Committee on Mesoscale Meteorology 2000-2003
AMS Board of Operational Government Meteorologists, Chairman 1990-1991
AMS Committee on Weather Analysis and Forecasting, 1988-1989
Phi Beta Kappa
Magna Cum Laude, University of Utah 1979
Hazen Bedke Award, Department of Meteorology, University of Utah, 1978 and 1979