January 2000

VITA

PERSONAL HISTORY

Name:	Joseph J. Tribbia
Date of birth:	June 8, 1950
Place of birth:	Chicago, Illinois
Marital status:	Married, two children

HIGHER EDUCATION

Illinois Institute of Technology, 1967-1971, B.S. (with honors) Physics
Colorado State University, 1971, Meteorology
University of Michigan, 1972, M.S. Meteorology
University of Michigan, 1973-1977, Ph.D. Meteorology

RESEARCH EXPERIENCE

1992–present	National Center for Atmospheric Research, Climate and Global Dynamics Division: Head, Global Dynamics Section
1980–present	National Center for Atmospheric Research, Scientist in Climate and Global Dynamics Division (formerly Atmospheric Analysis and Prediction Division)
1986–1992	National Center for Atmospheric Research, Climate and Global Dynamics Division: Deputy Head, Global Dynamics Section
1979-80	National Center for Atmospheric Research, Visiting Scientist in Atmospheric Analysis and Prediction Division: Large-scale atmospheric dynamics
1978-79	National Center for Atmospheric Research, Postdoctoral Fellow in Advanced Study Program: Nonlinear initialization
1977-78	Purdue University, Postdoctoral Research Associate: Numerical modeling of convective phenomena
1973-77	University of Michigan, Research Assistant: Nonlinear baroclinic stability
1972-73	University of Michigan, Research Assistant: Assimilation of meteorological data
1971	Colorado State University, Research Assistant: Assimilation of meteorological data

MEMBERSHIP IN SOCIETIES

Sigma Xi
American Meteorological Society
Tau Beta Pi
AAAS

AWARDS AND HONORS

Distinguished Student Award (Graduate), 1974
Fellow, American Meteorological Society, 1996

SERVICE

Head, Global Dynamics Section
Editor, *Journal of the Atmospheric Sciences* 1992–present

PUBLICATIONS

Tribbia, J. J. and D. P. Baumhefner, 1988: The Reliability of Improvements in Deterministic Numerical Forecasts. *Monthly Weather Review*, **116**, 2276–2288.

Tribbia, J. J. and D. P. Baumhefner, 1988: Estimates of the Predictability of Low–frequency Motions Using a Spectral General Circulation Model. *Journal of the Atmospheric Sciences*, **45**, No. 16, 2306–2317.

Gent, P. R., and J. J. Tribbia, 1993: Simulation and Predictability in a Coupled TOGA Model. *Journal of Climate*, **6**, 1843–1858.

Madden, R.A., D.J. Shea, G.W. Branstator, J.J. Tribbia, and R.O. Weber, 1993: The Effects of Imperfect Spatial and Temporal Sampling on Estimates of the Global Mean Temperature: Experiments with Model Data. *Journal of Climate*. **6**, 1057–1066.

Buizza, R., J. Tribbia, F. Molteni, and T. Palmer, 1993: Computation of Optimal Unstable Structures for a Numerical Weather Prediction Model. *Tellus A*, **45A**, 388–407.

Mizzi, A., J. Tribbia and J. Curry, 1995: Vertical Spectral Representation in Primitive Equation Models of the Atmosphere *Monthly Weather Review*, **123**, 2426–2446.

Ehrendorfer, M. and J. Tribbia, 1996: Optimal Prediction of Covariances through Singular Vectors. *Journal of the Atmospheric Sciences* **54**, 286–313.

Taylor, M. and J. Tribbia, 1996: The Spectral Element Method for the Shallow Water Equations on the Sphere. *Journal of Computational Physics* **130**, 92–108.

Gong, J., G.Wahba, D. Johnson and J. Tribbia., 1998: Adaptive Tuning of Numerical Weather Prediction Models: Simultaneous Estimation of Weghting, Smoothing and Physical Parameters. To appear in *Monthly Weather Review*.