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	Date of Birth:	May 5, 1960
	Place of Birth:	Ripon, WI
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EDUCATION:

1982 B.S. Univ. of Wisconsin
1985 M.S. Univ. of Wisconsin
1991 Ph.D. Univ. of Wisconsin

EMPLOYMENT:

1982-1985 Research Assistant, Satellite Studies
1985-1991 Research Assistant, Mesoscale Dynamics
1991-1993 Post Doc, National Meteorological Center, Development Division, Numerical
Studies
1993- Physical Scientist, Geophysical Fluid Dynamics Laboratory

AWARDS, HONORS, MEMBERSHIPS, CONSULTANTSHIPS

American Meteorological Society Member
Who's Who in America (1998-2004)
Who's Who in the East (1997-1998, 1999-2000, 2001, 2002, 2003)
Who's Who in Science and Engineering (1998-1999, 2003-2004)
Who's Who in the World (1998, 2000, 2002, 2003)
National Center for Atmospheric Research 1988 Summer Colloquium on Synoptic Meteorology
National Center for Atmospheric Research 1984 Summer Colloquium on Mesoscale
Meteorology
Graduated with Distinction (B.S. Univ. of Wisconsin, 1982)
Phi Beta Kappa, 1982
AMS Howard T. Orville Scholarship-Honorable Mention, 1982

PUBLICATIONS

- (1) Seman, C.J., A Case Study Evaluating Different Horizontal Resolution in Radiance Compositing for TIROS-N Retrievals. M.S. Thesis, Department of Meteorology, University of Wisconsin-Madison, 89 pp, 1985.
- (2) Seman, C.J., L.H. Horn, and T.L. Koehler, An Evaluation of Different Horizontal Resolution in Radiance Compositing for TIROS-N Retrievals. Evaluation of Alternative Retrieval Methods for TIROS-N and NOAA-6 Soundings. Final Report, NOAA Grant NA81AA-D-00087, Department of Meteorology, University of Wisconsin-Madison, NTIS PB86, 237005/AS, 47-64, 1986.
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- (7) Seman, C.J., Numerical Simulation of Deep Moist Convection in a Baroclinic Atmosphere, Fourth Conference on Mesoscale Processes, American Meteorological Society, June 25-29, 1990, Boulder, CO 1990.
- (8) Seman, C.J., Numerical Study of Nonlinear Convective-Symmetric Instability in a Rotating Baroclinic Atmosphere, Ph.D. Thesis, Department of Meteorology, University of Wisconsin-Madison, 185 pp., 1991.
- (9) Seman, C.J., Numerical Study of Nonlinear Convective-Symmetric Instability in a Rotating Baroclinic Atmosphere. Part I: Dynamics of the Instability. Role of Symmetric Instability in Mesoscale Precipitation Phenomena, Final Report, NSF Research Grant ATM-8514730, Department of Meteorology, University of Wisconsin-Madison, 37 pp. 1991.
- (10) Seman, C.J., On the Role of Nonlinear Convective-Symmetric Instability in the Evolution of a Numerically Simulated Mesoscale Convective System, Fifth Conference on Mesoscale Processes, American Meteorological Society, January 5-10, 1992, Atlanta, GA, 1992. 2
- (11) Vergara, J.A. and C.J. Seman, A Semi-Implicit and Semi-Lagrangian Fully

Compressible Cloud Model, Fourth International Conference on Southern Hemisphere Meteorology and Oceanography, March 29-April 2, 1993, Hobart, Australia, 1993.

- (12) Seman, C.J., Diagnosis of a Kinetic Energy Generating Mechanism within a Numerically-Simulated Mesoscale/Convective System, Ninth Conference on Atmospheric and Oceanic Waves and Stability, May 10-14, 1993, San Antonio, TX., 1993.
- (13) Seman, C.J., A Numerical Study of Nonlinear Nonhydrostatic Conditional Symmetric Instability in a Convectively Unstable Atmosphere, Journal of the Atmospheric Sciences, 51(11): 1352-1371, 1994.
- (14) Seman, C.J., On the Effects of Baroclinic Shear on Numerically Simulated Slantwise Convection, Sixth Conference on Mesoscale Processes, American Meteorological Society, July 18-22, 1994, Portland, OR, 1994.
- (15) Donner, L.J., and C.J. Seman, Radiative Forcing and Feedback by Ice Clouds, Preprint Volume, Second International Scientific Conference on the Global Energy and Water Cycle, World Climate Research Programme, pp. 346-347, 1996.
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- (18) Donner, L.J., C.J. Seman, and J.P. Sheldon, Cloud-Radiative Interactions in High-Resolution Cloud-Resolving Models, Published preprint of the 9th Conference on Atmospheric Radiation, February 2-7, 1997, Long Beach, CA. AMS, Boston, MA 1997.
- (19) Donner, L.J., C.J. Seman, R.S. Hemler, and J.P. Sheldon, Radiative Transfer in a Three-Dimensional Cloud-System-Resolving Model, International Radiation Symposium, Fairbanks, Alaska, August, 1996. In IRS 96: Current Problems in Atmospheric Radiation, pp. 109-112, 1997.
- (20) Donner, L.J., C.J. Seman, B.J. Soden, R.S. Hemler, J.C. Warren, J. Ström, and K.-N. Liou, Large-Scale Ice Clouds in the GFDL SKYHI General Circulation Model, Journal of Geophysical Research, 102(d18): 21,745-21,768, 1997.
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Implications, Abstracts of Papers Presented at the Rossby-100 Symposium, Vol. 1, Department of Meteorology, University of Stockholm, Sweden.

- (23) Mathur, M.B., K.F. Brill, and C.J. Seman, Evolution of Slantwise Vertical Motions in NCEP's Mesoscale Eta Model. Monthly Weather Review, 127(1): 5–25, 1999.
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- (27) Donner, L.J., C.J. Seman, and R.S. Hemler, Ice Microphysics and Radiative Transfer in Deep Convective Systems, Proceedings of the 10th Conference on Atmospheric Radiation, 28 June - 2 July, 1999, American Meteorological Society, Boston, MA, 1999.
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