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# National Center for Atmospheric Research

P.O. Box 3000 Boulder, CO 80307 (303)494-5151

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## NCAR Scientists Honored by American Meteorological Society

BOULDER--Five scientists with the National Center for Atmospheric Research (NCAR) in Boulder, Colorado, will receive national recognition this week by the American Meteorological Society (AMS) for outstanding contributions in their respective fields at its annual meeting in New Orleans.

Former NCAR Director, Francis P. Bretherton, a senior scientist with the laboratory, will receive the Jule G. Charney Award, "for his innovative and significant contributions to our understanding of the dynamics of the atmosphere and ocean encompassing a wide variety of scales, processes and phenomena." He is currently working on modeling the physical processes of the oceans.

A specialist in analyzing large-scale weather fronts and jet streams, Chester Newton, a senior scientist at NCAR and leader of the empirical studies group, will be honored with the Jule G. Charney Award, "for his wise leadership as (a former) President and his long record of devoted service to the American Meteorological Society and as editor of its journals and member of its committees."

Joseph Klemp, an atmospheric scientist with NCAR, will be given the Clarence Leroy Meisinger Award with Robert B. Wilhelmson, University of Illinois, "for development of numerical models which have contributed significantly to the understanding of severe convective storms. Currently, Klemp is modeling three-dimensional processes in thunderstorms.

Meteorologist Roland A. Madden will be honored with the AMS Editor's Award, "for his critical and insightful reviews of manuscripts submitted to the Monthly Weather Review and other publications of the Society." He is currently researching the predictability of the atmosphere as it applies to climate prediction and is also studying the properties of unusually long waves in the atmosphere.

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Ralph Cicerone, Director of NCAR's Atmospheric Chemistry and Aeronomy Division, has been made a Fellow of the American Meteorological Society in recognition of outstanding contributions to the atmospheric or related sciences or their application over a period of years. At the present time Cicerone is studying photochemistry of the stratosphere and the effects of the biosphere on the atmosphere.

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Joan Vandiver Frisch  
Information Officer  
National Center for Atmospheric Research  
Post Box 3000  
Boulder, CO 80307

(303) 494-5151, Extension 261