

NCAR



Information Release

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For Immediate Release

Wyngaard Named Senior Scientist at NCAR

Boulder, Colorado---Dr. John C. Wyngaard has been appointed a senior scientist at the National Center for Atmospheric Research (NCAR).

Wyngaard is one of the world's leading scientists in what is known as boundary-layer research. The boundary layer is that part of the atmosphere in which we live, extending from the ground up to several hundred meters.

The appointment was made by Dr. Francis P. Bretherton, director of NCAR, with the authorization of the board of trustees of the University Corporation for Atmospheric Research, the non-profit consortium of universities that operates NCAR under sponsorship of the National Science Foundation.

In making the appointment, Bretherton observed that the senior scientist position is the highest scientific level at NCAR and provides the long-term scientific leadership at the center.

"Wyngaard's work in both observation and theory," he said, "has contributed considerably to the understanding of the turbulent processes of the lower atmosphere. And we anticipate that his research will continue to provide a basis for future boundary-layer work."

After earning his doctorate in mechanical engineering at Pennsylvania State University in 1967, Wyngaard was employed by the Air Force Cambridge Research Laboratories in Massachusetts from 1967 to 1975. He then came to Boulder to work with the Wave Propagation Laboratory of the National Oceanic and Atmospheric Administration (NOAA); he was elected a fellow of the Cooperative Institute for Research in the Environmental Sciences (CIRES), an organization operated jointly by NOAA and the University of Colorado.

Wyngaard started his professional career as an engineer studying small-scale turbulence. At CIRES, his interests expanded to the boundary layer, and now, at

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NCAR, he is moving into mesoscale research. The mesoscale is neither as broad as continental in extent nor as restricted as boundary layer in height; it is the region in which weather of interest to humankind occurs.

Wyngaard, who received the 1979 Meisinger Award of the American Meteorological Society (AMS) for his research in atmospheric turbulence, is an editor of the Journal of the Atmospheric Sciences. He also is a member of the AMS committee on turbulence and diffusion and the World Meteorological Organization's working group on boundary-layer problems.

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