Cornell University

UCAR Membership Report on 2009 Membership Renewal

Cornell University was a founding member of UCAR in 1959. Cornell has several academic departments contributing to research and education in atmospheric science with particular research emphases on atmospheric chemistry/air pollution, applied meteorology, climate studies and upper-atmosphere meteorology. The Department of Earth and Atmospheric Sciences (EAS) offers BS, MS and PhD degrees in atmospheric science. EAS has 7 atmospheric science faculty members with an additional 7 faculty outside EAS contributing to atmospheric science research efforts. The department graduated 74 BS, 13 MS, and 16 PhD students during the past five years. The majority of the MS and PhD theses accepted had themes in atmospheric sciences, or were at least related to climate and/or atmospheric sciences. It is evident that Cornell University has a definitive, substantial, and continuing commitment to a full, coherent, and integrated program of course studies and dissertation research leading to the doctorate in Atmospheric Sciences.

Cornell University benefits from the presence of the Northern Regional Climate Center within the department. Faculty research results are published in peer-reviewed atmospheric science journals. Many of these publications are co-authored by Cornell students and/or faculty from other UCAR member institutions. All of these facts document a definitive, substantial, and continuing commitment to progress in atmospheric sciences.

Cornell faculty members have served on NCAR working groups related to the development of CCSM, advisory boards of UCAR/NCAR or UCAR executive committees. These services document a clear commitment of active participation in UCAR activities, including its governance, programs, and facilities.

The UCAR Membership Committee concludes that the membership criteria are fulfilled, and recommends to the Members’ Representatives that the membership of Cornell University be continued as provided by the UCAR bylaws.