

Summary of 1988 CEDAR Meeting and CEDAR activities at NCAR

The third annual CEDAR (Coupling, Energetics and Dynamics of Atmospheric Regions) meeting was hosted by NCAR between June 6-10, 1987. The 155 participants attended workshops, tutorials, and a poster session. Thirty-seven graduate students received support to attend the meeting. CEDAR is a NSF-sponsored Global Geosciences Initiative which brings together many instruments to study problems in the upper atmosphere and its coupling to the magnetosphere and sun and to the lower atmosphere.

The fourteen workshops were in various stages of initiating new projects, examining preliminary results from campaigns, and producing a scientific yield from more mature campaigns. Almost half concerned planning for new campaigns or initiatives. This included a workshop on solar variability and weather emphasizing the ordering with the QBO (quasi-biennial oscillation). The LTCS (Lower Thermosphere Coupling Study) had a campaign in September 1987 which included many instruments and looked at their first results. Several campaigns are at the stage of planning special sessions at the American Geophysical Meeting this Fall or next Spring. A special issue of the Journal of Geophysical Research has been targeted by the Equinox Transition Study (Sept. 1984).

The CEDAR Data Base was discussed in the general meeting and also in workshops. A report was published (NCAR/TN-308+STR) by the CEDAR Data Base Committee outlining some suggestions for a CEDAR Data Base that would be located here at NCAR as an expansion of the present Incoherent Scatter Data Base. The various groups involved presented lists of what they felt would be included in the data base. A mini-computer has been proposed to enhance on-line access to the data base. (The present mode of operation is primarily via tape copies.)

Two postdoctoral scientists, supported jointly by the CEDAR program and the NASA Solar-Terrestrial Theory Program have been selected to work at HAO. Stan Solomon from the University of Michigan has a background in airglow measurements and modelling and has held half of the CEDAR postdoctoral position since April 1988. Julie Moses from UCLA has a background in magnetospheric modelling and plans to arrive in July, 1988. Both scientists will be involved in CEDAR scientific projects and will contribute to the planned development of the CEDAR Data Base.