A Few Programmatic Highlights
50th Anniversary

Please see detailed reports by Anthes, Wakimoto and Fellows at

www.ucar.edu/governance/meetings/oct10/
National Climate Adaptation Summit 25-27 May 2010

Users Panel

Interior Dep Secretary
David Hayes

Ag Sec Tom Vilsack

NOAA Adm Jane Lubchenco

Gov Richardson and HUD Dep Sec Ron Sims

Sci Advisor John Holdren

Andy Revkin, NY Times
Arctic sea ice simulations with CCSM3

Abrupt Transitions In Summer Sea Ice

Gradual forcing results in abrupt Sept ice decrease
-Extent decreases from 80 to 20% coverage in 10 years
-Relevant factors:
  - Ice thinning
  - Arctic heat transport
  - Albedo feedback
-Winter maximum shows smaller, gradual decreases
Arctic sea ice status 9/26/10

http://nsidc.org/arcticseaicenews/
NCAR-Wyoming Supercomputer Center

Highest priority in UCAR proposal to NSF
For the management of NCAR
Summer 2012

Image courtesy of g3D, Inc.
The PGB was established to provide overall management review and guidance for NWSC construction and operation and for affiliated intellectual collaborations between NCAR, UCAR, and UW. The responsibilities of the PGB are defined in the MOU between the Wyoming partners and UCAR and are summarized as follows:

- Monitoring the process of NWSC development and operation
- Reviewing and approving, along with NSF, the PEP for NWSC construction
- Reviewing and recommending whether additional entities should be admitted as an NWSC facility partner
- Reviewing and approving plans for specific intellectual collaborations between NCAR, UCAR, and UW (e.g., proposed joint appointments, joint research initiatives, etc.)

**PCB Membership**
- Myron Allen (UW, Chair)
- Bill Gern (UW)
- Al Kellie (NCAR)
- Roger Wakimoto (NCAR)

1st meeting Sept 28, 2010
UCAR Facility Upgrades and Maintenance
50th Anniversary Improvements
ML Exterior site lighting & ML paving updates

- ML site lighting work started July 7
- ML finish 10/15.
- Bike path on uphill side, pedestrian path on downhill side
- 50 year maintenance plan for road and parking lot

3375 Mitchell Lane Remodel

- Design process is underway with RAL
- A/E Consultants are assisting in finding most energy efficient and cost effective solutions
- Anticipated demolition start on 10/25/10
- Anticipated construction start on 12/13/10
ML Parking Lot 8/18/10
CG-2 Remodel for COMET

- Renovations for efficiency and comfort were completed on June 18, 2010.
- COMET moved on June 24, 2010.
CG-1 Shade Structure
CG-1 50th Anniversary Park
UCAR and NCAR at 50

- 2010 is UCAR and NCAR’s 50th Anniversary
- HAO’s 70th Anniversary
- COMET’s 20th Anniversary
- Unidata’s 26th Anniversary
- SOARS 15th Anniversary
- BRAN’s 10th Anniversary

www.50th.ucar.edu/
SOARS 2010

With HIRO (High-school Internship Research Opportunities) and RECESS (Research Experience in Solid Earth Science for Students)

5 August 2010
You are invited to the BRAN 10th Anniversary Celebration

Friday, May 14, 2010
3-5pm

NCAR Mesa Lab
Damon Room
1850 Table Mesa Drive
Boulder, CO

RSVP: Tamara at Tamara.J.Fearno@noaa.gov

The City of Boulder (the City), the University of Colorado at Boulder (CU), the National Center for Atmospheric Research (NCAR), and the Department of Commerce Laboratories (DOC) have built an important fiber optic network that interconnects the participating organizations. The project is named "BRAN" - for Boulder Research and Administrative Network, and the cooperative effort between all the institutions involved has resulted in the ongoing success of this project.

BRAN provides a significant, local, next-generation, fiber optic infrastructure that gives the public service institutions in Boulder, Colorado a competitive advantage in research, higher education, and administrative functions.
Open House Celebration
June 5th, 2010

- FL Open Lab - Hands on the Atmosphere: Instruments, Data, and Technology
- ML Open House – Voices of History: NCAR and UCAR Through the Decades
- RAF Open Hangar - Eyes on the Sky: Airborne Global Research
- ~230 staff helpers
- ~2,500 visitors
City of Boulder Proclamation
17 August 2010

WHEREAS, in 1959, the University Corporation for Atmospheric Research (UCAR) was created to serve as a consortium of research institutions dedicated to understanding the atmosphere—the air around us—and the complex processes that make up the earth system, from the ocean floor to the sun’s core, and

WHEREAS, in 1960, when UCAR was incorporated as a Colorado non-profit and Walter Orr Roberts selected as its first president, the UCAR Board of Trustees created the National Center for Atmospheric Research (NCAR), funded by the National Science Foundation to provide research, observatory and computing facilities, and a variety of services for the atmospheric and Earth sciences community, and

WHEREAS, since their founding, both UCAR and NCAR have been headquartered in Boulder, currently with three main campuses within the city: NCAR Mesa Laboratory and UCAR Fluschnik Building; Center Green Campus; and, Foothills Laboratory, and

WHEREAS, since its founding, NCAR has grown from five full-time scientists to about 220 full-time researchers and the 14 founding universities that originally made up UCAR have been joined by more than 60 other schools, including the University of Colorado, and

WHEREAS, UCAR and NCAR currently employ about 1,400 people in the Boulder area, many of whom are involved in education and volunteer activities, and all of whom contribute to the economy of this region, and

WHEREAS, NCAR scientists study weather and climate, and make other significant contributions to the body of knowledge concerning solar effects on the Earth, space weather, atmospheric chemistry and pollution, the societal impacts of severe weather and climate change, and a myriad of additional related topics, and

WHEREAS, NCAR scientists have received numerous awards and recognition for their work, including sharing in the 2007 Nobel Peace Prize with the U.N. Intergovernmental Panel on Climate Change (IPCC), both for having co-authored or co-reviewed the four assessment reports issued by the IPCC and for the NCAR-based Community Climate System Model that was cited heavily in the IPCC’s 2007 report.

THEREFORE, I, Susan Osborne, Mayor of the City of Boulder, officially declare and express the collective gratitude of City Council, city staff, and the people of Boulder for the 50 years of service by UCAR and NCAR that have significantly benefited the city, the nation, and the field of atmospheric science.

Susan M. Osborne
Mayor
UCAR50

* Just published

* Decade-by-decade structure as a springboard to discuss related work now and in the near future

• Laced with quotes and tributes from the community

• Draws extensively from interviews, oral histories, and historical documents

• See Bob Henson for questions or comments
Reflections at 50

Rick Anthes
5 October 2010
UCAR Members Annual Meeting
Boulder, Colorado
1st UCAR Board Meeting April 2, 1959, University of Arizona
Comment on Some Major Projects

- HIAPER (1982-2004)
- MM5 (1981-2005)
- COMET (1982-2010)
- Foothills Lab, Center Green
- CSMP→CCSM→CESM
- MECCA
- SOARS
- GPS/MET and COSMIC (1990-2010)
- NCAR-Wyoming Supercomputer Center

Not one of these was easy!
Creativity with Bill Moyers
1982
John Firor
Will Kellogg
Walt Roberts
4:24