

UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH

MINUTES

Annual Members' Meeting  
9-10 October 2007  
Center Green Auditorium  
Boulder, Colorado

TUESDAY, 9 OCTOBER

1. Call to Order, Welcome, and Adoption of the Agenda

Chairman of the UCAR Board of Trustees, Kelvin Droegemeier, called the Annual Meeting of the UCAR members to order at 1:00pm on Tuesday 9 October, in the auditorium of building one at the UCAR Center Green campus in Boulder, Colorado. Chairman Droegemeier welcomed members of the UCAR Board of Trustees, representatives from the Member Institutions, representatives from Academic Affiliates, members of the University Relations Committee, NSF sponsors and early career.

After reviewing the agenda, it was moved, seconded and passed to adopt the agenda for the 9-10 October Members' Meeting.

Present for all or portions of the meeting were the following Members' Representatives and officially appointed substitutes:

University of Alabama in Huntsville	Donald Perkey
University of Alaska-Fairbanks	Nicole Mölders
University at Albany, SUNY	Vincent Idone
	Kenneth Demerjian
University of Arizona	Joaquin Ruiz
	Eric Betterton
Arizona State University	James Anderson
	Matthew Fraser
California Institute of Technology	Paul Wennberg
University of California, Berkeley	John Chiang
University of California, Davis	Richard Grotjahn
	Bryan Weare
University of California, Irvine	Gudrun Magnusdottir
	Jin-Yi Yu
University of Chicago	Noboru Nakamura
	Fred Stafford
University of Colorado	David Noone
Colorado State University	Steven Rutledge
Cornell University	Kerry Cook
Drexel University	Frederick House
Florida State University	Bob Ellingson
	Naresh Dalal
Harvard University	Kelly Chance
University of Hawaii	Gary Ostrander
	Barry Huebert

University of Houston	Bernhard Rappenglueck
Howard University	John Casey
University of Illinois at Urbana-Champaign	Everette Joseph
Iowa State University	Donald Wuebbles
Johns Hopkins University	Robert Rauber
University of Maryland	Xiaoqing Wu
Massachusetts Institute of Technology	Darrell Strobel
McGill University	Daniel Kirk-Davidoff
University of Miami	Lodovica Illari
University of Michigan	John Gyakum
University of Minnesota	Chidong Zhang
University of Missouri	Richard Rood
Naval Postgraduate School	Efi Foufoula-Georgiou
University of Nebraska-Lincoln	Katsumi Matsumoto
Nevada System of Higher Education	Donald Hagen
University of New Hampshire	Anthony Lupo
New Mexico Institute of Mining & Technology	Philip Durkee
New York University	Merlin Lawson
North Carolina State University	Kenneth Dewey
University of Oklahoma	Vanda Grubisic
Oregon State University	Robert Talbot
Princeton University	Peter Gerity
Purdue University	Kenneth Eack
University of Rhode Island	Andrew Majda
Rice University	Leonard Pietrafesa
Rutgers University	Viney Aneja
Saint Louis University	Fred Carr
Scripps Institution of Oceanography	John Snow
Stanford University	Jay Hobgood
State University of New York at Stony Brook	Karen Shell
Texas A&M University	Leo Donner
Texas Tech University	Ernest Agee
University of Toronto	Jon Harbor
University of Utah	John Merrill
University of Virginia	Arthur Few
University of Washington	James Miller
	Alan Robock
	Zaitao Pan
	Joel Norris
	Ray Weiss
	Robert Street
	Minghua Zhang
	Björn Kjerfve
	Kenneth Bowman
	John Schroeder
	Christopher Weiss
	Roland List
	Steven Krueger
	Zhaoxia Pu
	Richard Miksad
	Stephan De Wekker
	Gregory Hakim

Washington State University  
University of Wisconsin-Madison  
University of Wisconsin-Milwaukee  
Woods Hole Oceanographic Institution

University of Wyoming

York University

Tom Jobson  
Matthew Hitchman  
Vincent Larson  
Steven Jayne  
Mary-Louise Timmermans  
Bill Gern  
Jefferson Snider  
Geoffery Harris

Present for all or portions of the meeting were the following Academic Affiliates:

Lyndon State College  
San Jose State University  
Florida Institute of Technology  
Millersville University  
San Francisco State University  
St. Cloud State University  
South Dakota School of Mines & Technology  
Plymouth State University  
College of Charleston  
Central Michigan University  
United States Naval Academy  
Metropolitan State College  
San Francisco State University  
Jackson State University  
Millersville University

Bruce Berryman  
Alison Bridger  
Sen Chiao  
Richard Clark  
Oswaldo Garcia  
Anthony Hansen  
John Helsdon  
Eric Hoffman  
Laney Mills  
Richard Mower  
David Smith  
Richard Wagner  
Lisa White  
Quinton Williams  
Sepideh Yalda

Present for all or portions of the meeting were the following faculty and other guests:

North Carolina State University  
University of Illinois  
University of Minnesota  
Rice University  
University of Oklahoma  
San Francisco State University  
University of California - Irvine  
Saint Louis University  
University of Washington  
University of Colorado  
Florida State University  
Western Illinois University  
University of Nebraska  
University of Michigan  
Colorado State University  
Texas A&M  
Woods Hole Oceanographic Institution  
Columbia University  
Jackson State University  
Rutgers University  
University of New Hampshire  
University of Alabama at Huntsville

Anantha Aiyyer  
Somnath Baidya Roy  
Karen Campbell  
Anthony Chan  
Phillip Chilson  
Petra Dekens  
Todd Dupont  
Timothy Eichler  
Dargan Frierson  
Eve Grunfest  
Bob Hart  
Redina Herman  
Adam Houston  
Xianglei Huang  
Taka Ito  
Robert Korty  
Young-Oh Kwon  
Ed Lee  
Heping Liu  
Mark Miller  
Berrien Moore  
Udaysankar Nair

Desert Research Institute  
Central Michigan University  
Texas A&M University  
University of Hawaii at Manoa  
Texas A&M University  
New Mexico Institute of Mining & Technology  
Oregon State University  
Texas Tech University  
University of Alabama, Huntsville  
Michigan State University

Daniel Obrist  
Leigh Orf  
Richard Orville  
Vaughan Phillips  
Mary Jo Richardson  
Sharon Sessions  
Jeffrey Shaman  
Kyle Wiens  
S.T. Wu  
Sharon (Shiyuan) Zhong

## 2. Chairman of the Board Report

Chairman of the Board, Kelvin Droegemeier, reported on the Board activities over the past year. The UCAR Board was heavily involved in the preparation of the proposal to continue management of NCAR in response to the NSF's first competition for this cooperative agreement. Droegemeier thanked UCAR President Rick Anthes for his work on the proposal.

The Board considered and approved six new NCAR Senior Scientist appointments - Jeff Anderson, Chris Cantrell, William Collins, David Edwards, Tom Horst, Bette Otto-Bliesner; two Emeritus Scientist appointments - Joach Kuettner and Brian Ridley -; and three Affiliate Scientist appointments - Reto Knutti, Vanda Grubisic, and V. Chandrasekar. He extended congratulations to all of these excellent scientists on behalf of the Board.

The Board was active in many of UCAR's advocacy priorities including: getting the America Competes Act signed; urging higher levels of support for federal agency budgets including NSF's, NOAA's, and NASA's; and increasing the recognition of climate science on the Hill. UCAR is to be commended for the fine advocacy work.

The Board considered and approved the UCAR salary and benefits compensation package for staff and approved the new Africa Initiative. Droegemeier noted the completion of the UCAR, NCAR, Education and Outreach, and Finance and Administration strategic plans.

## 3. Treasurer's Report

Treasurer and Trustee Barbara Feiner (Washington University in St. Louis) reviewed the UCAR Consolidated Financial Statement for the period ending 31 August 2007. Comparing the last three years, 2007 looks like the lowest year but this is due to the one-time increment of funding for HIAPER in FY05 and timing differences in funding received from NASA and NOAA. Adjusting for inflation, the NCAR program has decreased by 1% every year for the past three. Feiner reported that investment funding has increased by \$1M more than projected. However, there is concern about UCAR's general fund, part of which is supplied by fees, especially in light of the fact that NOAA management has decided that they will no longer pay their fee on any funding channeled through the NSF cooperative agreement.

## 4. Secretary's Report

Secretary and Trustee Rosina Bierbaum (University of Michigan) presented the minutes of the October 2006 Annual Meeting and asked for Members' approval. **It was moved, seconded, and passed to approve the minutes of the October 2006 Annual Members' Meeting.**

## 5. NSF Topics

Cliff Jacobs, Head, UCAR and Lower Atmosphere Facilities Oversight Section - ATM/NSF gave an update on the competition for the management of NCAR. He reported that an external NSF review panel is currently reviewing the proposal(s). The National Science Board will make its decision on the management of NCAR at their 8 May 2008 meeting. The current UCAR cooperative agreement with NSF expires 30 September 2008.

Jacobs stated that NSF has also convened a cyber-infrastructure panel to consider NCAR's Supercomputing Center (NSC) proposal and to answer two questions:

- How will the proposed program feed into the overall cyber-infrastructure program at NSF?
- What is the best option for NSF's Atmospheric Sciences Division to provide computing support to the community?

He said that providing the computing resources needed by the community beyond 2011 is one of NSF's highest priorities. The panel is scheduled to complete their work in December.

Jacobs discussed the NSF's organization-wide initiative to identify and fund transformative research. He also related the statistics on the success rates of proposals, which for the atmospheric sciences (NSF/ATM) is 38% compared to NSF's overall success rate of 21%. Jacobs reported that the number of proposals has increased by 50% due to: an increased applicant pool and an increased number of proposals per applicant; the increased size and capacity of the research community; more university staff being on "soft" money; and the loss of funding from other sources. This increase in the number of proposals however, has meant that less time is spent on quality reviews because the pool of reviewers has increased by only 15%. To address this issue, NSF is looking at a number of options including proposing that each institution submitting proposals be allowed only a limited number each year. Doing this, however, may limit the truly "transformative" proposals submitted to NSF.

## 6. UCAR Status Report

UCAR President Rick Anthes made note of the sudden and unexpected passing of his friend and prominent member of the atmospheric sciences community, Tony Hollingsworth of European Center for Medium-range Weather Forecasting (ECMWF). Anthes said he was world-class—personally as well as professionally--and will be deeply missed.

Anthes highlighted two trips he took to Cuba in an effort to establish collaborative activities, and announced that Raj Pandja, Director of Community Building and SOARS is the 2007 winner of a Boulder multicultural award. In addition, renowned scientist Warren Washington was honored with a symposium in August.

Anthes recommended that attendees read the BASC report on modes of NSF-ATM support of the atmospheric sciences released this past year. Its major conclusion is that the balance of support at NSF between large centers like NCAR and PIs at universities is "about right". He reported that the AMS and UCAR are both working on strategic plans this year, and the NRC Earth Science and Applications from Space report has been issued. All of these reports connect, Anthes said, they're looking ahead at the need to answer challenging questions affecting our planet today. He then warned that global climate change is not just an academic exercise; it will affect us all and there are many areas where the impact is unknown. Anthes urged the audience to look at what we can do collaboratively and individually. UCAR represents dozens of academic institutions in the community. Advocacy work in Washington, D.C. is critical, he said.

7. NCAR Report

NCAR Director, Tim Killeen, updated the Members on some of the past year's NCAR activities. He highlighted the completed NCAR reorganization and the growing number of women scientists at NCAR. Killen summarized science and facility highlights including the first field campaigns of the fully instrumented HIAPER aircraft, CCSM model and contribution to the IPCC report, and an update on the NCAR Supercomputing Center status. He announced that Mary Marlino, former Director of DLESE, has been selected as the new Director of the NCAR Library.

8. UCAR Office of Programs (UOP) Report

Vice President for Corporate Affairs and UCAR Office of Programs Director, Jack Fellows, reported to the Members on activities for each of the UOP entities: COMET, COSMIC, Digital Learning Services (DLS), GLOBE, Joint Office for Science Support (JOSS), National Science Digital Library (NSDL), Unidata, and Visiting Scientist Program (VSP). He reported in detail on the COSMIC satellite program, saying that the constellation would be fully deployed by the end of the year. He reported on the benefits already seen through reduction of forecast errors when using COSMIC data. Fellows also reported on the new Unidata Strategic plan and on 10 new COMET modules developed this past year.

9. University Relations Committee (URC) Report

Kerry Cook (Cornell University) and Chair of the URC reviewed the current charge to this committee and then proposed the resolution to change the name of the committee to the President's Advisory Committee on University Relations (PACUR). She explained that the change better reflected the evolving role of the URC. The name change could also help clarify the purpose of the URC to university leaders and help strengthen communication between UCAR and the Members. This name change will be reflected in the UCAR by-laws and requires a 2/3 affirmative vote to pass. **A motion was made and seconded.** Discussion followed. The question was called and the **motion passed.**

10. UCAR Members Nominating Committee Report

Chairwoman of the Nominating Committee, Gudrun Magnúsdóttir (UC-Irvine), presented the slate of candidates for the Trustee elections. She then asked for a vote to approve the tellers and the voting procedure.

**It was moved, seconded and passed to approve Brian Jackson (JOSS) and Jennifer Strange (UCAR Contracts) as election tellers.**

**It was moved seconded and passed to approve the following voting procedure.**

**The four candidates receiving the highest majorities will be elected Trustees. If all four positions are filled on the first ballot, the election is complete. If fewer than four Trustees are elected on the first ballot, then the name(s) of the so elected will be removed from the ballot, and an additional ballot or ballots will be taken until all Trustee positions are filled**

## 11. UCAR Forum

Rick Anthes introduced the UCAR Forum. The focus areas for this year's Forum were the following six important areas for our science, and the roles that UCAR and the university research community can play together in taking these topics to their next level:

- **Earth System Modeling**
- **NCAR - Wyoming Data Center**
- **Atmospheric Observing Systems in the U.S.:**  
**Airborne and Ground-based Remote Sensing Capabilities and Opportunities**
- **Just do it: community tools to improve diversity in the geosciences**
- **Education**
- **Community Library**

The Members Representatives and NCAR scientists recessed to break out sessions on each of these topics.

### **Wednesday, 10 October 2007**

The Members reconvened at 9:00 am.

## 12. Advocacy, Legislation, and Appropriations Update

April Burke and Joel Widder, Lewis-Burke Associates, and Cindy Schmidt, Director, UCAR Office of Government Affairs, updated the participants on the Federal Budget and other legislative and policy matters of interest to the UCAR community.

Joel Widder reported on the status since the Democrats took control of the House and the Senate. He reported on the progress of the budgets for Atmospheric Sciences at NOAA, NASA and NSF. Widder highlighted some of the upcoming advocacy projects over the next few months.

Cindy Schmidt gave a report of the recent activities of the UCAR office of Government Affairs. She reported that some of the committees had started to hold hearings on Climate Change and that UCAR had eighteen scientists that were called to testify and she is expecting more in 2008. Schmidt also announced the winners of the Science Advocacy Awards for strong participation in UCAR advocacy activities over this past year. They are: Rick Anthes (UCAR), Jack Fellows (UCAR), Eric Barron (University of Texas at Austin), Rosina Bierbaum (University of Michigan), Kelvin Droegemeier (University of Oklahoma), Neal Lane (Rice University), Berrien Moore (University of New Hampshire), Frank Nutter (Reinsurance Assoc. of America), Len Pietrafesa (North Carolina State University), Ernie Agee (Purdue), Arthur Few (Rice University), Richard Grotjahn (University of California, Davis), Vanda Grubisic (Nevada System of Higher Education), John Helsdon (South Dakota School of Mines & Tech.), Barry Huebert (University of Hawaii), Vince Larsen (University of Wisconsin-Milwaukee), John Merrill (University of Rhode Island), Robert Rauber (University of Illinois at Urbana-Champaign), Mary Jo Richardson (Texas A&M University), Alan Robock (Rutgers University), Don Wuebbles (University of Illinois at Urbana-Champaign), John Snow (University of Oklahoma), and Fred Stafford (University of Chicago).

Jack Fellows reported on the progress of a transition document being developed for the next administration in Washington. A version of it will be given to the presidential campaigns to educate the candidates on the issues related to climate change. Fellows also reminded everyone to start thinking of candidates for presidential appointments.

### 13. Trustee and Members' Committee Elections

#### A. Trustee & Committee Elections

Chairman Droegemeier asked if there were Trustee nominations from the floor, and hearing none, he asked for a vote to approve the slate of Trustees candidates. **It was moved, seconded and passed to approve the slate of Trustee candidates.** He then gave instructions that the Members to complete one ballot, selecting four of the six institutional trustees presented in the slate and two Trustee at Large candidates.

The results of the Trustee election on the first ballot, are as follows:

Institutional Trustees elected for three year terms:

Steven A. Ackerman University of Wisconsin Madison

Kerry Cook, Cornell University

Rana Fine, University of Miami (re-elected)

Dennis Hartmann, University of Washington

Trustees-at-large (three-year term)

Shirley Malcom, AAAS (re-elected)

Robert Palmer, (re-elected)

#### B. Election of Members' Committees

The following slate of committee members was submitted for approval.

**MEMBERSHIP COMMITTEE** (three-year term)

Kristie Boering – University of California-Berkeley

Eric Hoffman – Plymouth State University

Jonathan Overpeck - University of Arizona

Larry DiGirolamo – University of Illinois- Urbana-Champaign

**UNIVERSITY RELATIONS COMMITTEE** (three-year term)

Richard Orville – Texas A&M

Lisa White – San Francisco State University

ST Wu – University of Alabama-Huntsville

Robert Hart – Florida State University

Greg Hakim – University of Washington

Roger Samelson – Oregon State University

David Nolan – University of Miami

Sharon Zhong – Michigan State University

**MEMBERS' NOMINATING COMMITTEE** (one-year term)

Steve Rutledge – Colorado State University

Anne Thompson - Pennsylvania State University

Bob Ellingson - Florida State University  
Greg Carmichael - University of Iowa  
Jim Anderson – Arizona State University  
Nicole Mölders – University of Alaska-Fairbanks  
Bob Rauber – University of Illinois- Urbana-Champaign  
Otis Brown – University of Miami  
Don Perkey University of Alabama- Huntsville

There were no nominations from the floor. **It was moved, seconded, and passed to elect the slate of Members' committees as submitted.**

#### 14. Membership Committee Report

In the absence of Membership Committee Chairman Chuck Wash (NPGS), committee member Jim Miller (Rutgers University) presented the report on the 2007 cycle of new and renewal applications for Membership. He reviewed the renewal criteria and procedures and presented the following committee recommendations:

A. The Committee recommended election of the University of Delaware, to UCAR Membership for an eight-year term beginning in January 2008. **It was moved seconded, and passed to approve the University of Stony Brook, State University of New York for UCAR Membership.**

B. The Committee recommended re-election of the following institutions to UCAR Membership for eight-year terms beginning in January 2007: [California Institute of Technology](#), [University of California, Davis](#), Georgia Institute of Technology, [McGill University](#), [Naval Postgraduate School](#), [Nevada System of Higher Education](#), [University of New Hampshire](#), [Oregon State University](#), [Purdue University](#), and [Utah State University](#) . **It was moved, seconded, and passed to renew the membership for these five institutions.**

C. Miller also welcomed two new Academic Affiliates: **Metropolitan State College and Central Michigan University.**

#### 15. Academic Affiliates' Report

Richard Clark (Millersville University) reported on behalf of the Academic Affiliates. He reported that the Academic Affiliate meeting held on Tuesday morning. He said the AAP group is looking at program accreditation for Atmospheric programs. A few volunteers from the AAP will be talking with the AMS curriculum reviewers about creating some kind of program accreditation. The new Director of the NCAR library, Mary Marlino, attended the AAP meeting on Tuesday morning to gather information on how the NCAR library could better serve the affiliate universities.

#### 16. UCAR Members' Meeting Forum: Sciences Sessions

Rick Anthes, Kelvin Droegemeier, and Jim Hansen moderated the reports on the breakout sessions held the previous day. Reports were given by a representative from each of the breakout groups that met on Tuesday:

Earth System Models  
NCAR Supercomputing  
Diversity  
Education & Outreach  
Atmospheric Observing Systems  
Community Library

These reports will be gathered together and posted on the follow up website in the next few days, Droegemeier said.

17. Unstructured Discussion

Various comments were made, including on the need for more interaction at the meeting, rather than operating in “broadcast mode”; identifying more opportunities for universities to be involved with NCAR science; requests for UCAR to facilitate more university to university interactions; the value of increasing NCAR/university joint appointments and deeper collaborations.

The meeting adjourned at 2:30 pm.

Respectfully submitted:

Susan Friberg  
Assistant Secretary

Minutes approved by:

Rosina Bierbaum  
Secretary of the Corporation