Minutes

The following Members Representatives, appointed substitutes, faculty guests and Board and PACUR members were present for all or portions of the meeting:

Terri Adams
Ernie Agee
David Alexander
James Anderson
Juan Arratia
Philip Austin
Lourdes Aviles
Larissa Back
Mike Baldwin
Tom Ballinger
Teresa Bals-Elsholz
Roberta Balstad
Shaowu Bao
Bradford Barrett
Eric Barron
Eric Betterton
Stuart Bishop
Cecilia Bitz
Kristie Boering
Simona Bordoni
Kenneth Bowman
Chris Bretherton
Marcus Bucker
Tony Busalacchi
Steven Businger
Bill Capehart
James Carton
Anne Case Hanks
Sen Chiao
Rich Clark
Carol Anne Clayson
Jeff Collett

Howard University
Purdue University
Rice University
Arizona State University
Universidad Metropolitana
University of British Columbia
Plymouth State University
University of Wisconsin-Madison
Purdue University
Texas State University
Valparaiso University
Columbia University
Coastal Carolina University
U.S. Naval Academy
Pennsylvania State University
University of Arizona
North Carolina State University
University of Washington
University of California- Berkeley
Caltech
Texas A&M
University of Washington
Western Illinois University
University of Maryland
University of Hawaii at Manoa
South Dakota School of Mines
University of Maryland
University of Louisiana at Monroe
San Jose State University
Millersville University
Woods Hole Oceanographic Institution
Colorado State University
Andrew Comrie  
  University of Arizona

Judith Curry  
  Georgia Tech

Daniel Cziczo  
  MIT

Kyla Dahlin  
  Michigan State University

Daniel Dawson  
  Purdue University

Benjamin de Foy  
  Saint Louis University

Stephan De Wekker  
  University of Virginia

Donald DeHayes  
  University of Rhode Island

Ken Dewey  
  University of Nebraska-Lincoln

Minghui Diao  
  San Jose State University

Rich Dixon  
  Texas State University

William Easterling  
  Penn State

Bob Ellingson  
  Florida State University

Clark Evans  
  University of Wisconsin-Milwaukee

Nicole Feldl  
  Caltech

Cathy Finley  
  St. Louis University

Wendilyn Flynn  
  University of Northern Colorado

Kelly Fox  
  University of Colorado

Matthew Fraser  
  Arizona State Univ

Michael French  
  Stony Brook University

Stephan Fueglistaler  
  Princeton University

Charlette Geffen  
  Pacific Northwestern National Lab

Anand Gnanadesikan  
  Johns Hopkins University

Kevin Goebbert  
  Valparaiso University

Jon Goodall  
  University of Virginia

Kantave Greene  
  Jackson State University

Bjorn Grigholm  
  University of Maine

Jennifer Griswold  
  University of Hawaii at Manoa

Richard Grotjahn  
  UC Davis

John Gyakum  
  McGill University

Donald Hagen  
  University of Missouri

Roy Haggerty  
  Oregon State University

Gannet Hallar  
  DRI / Storm Peak Lab

Janel Hanrahan  
  Lyndon State College

Tony Hansen  
  St. Cloud State University

Rodger Harvey  
  Old Dominion University

Redina Herman  
  Western Illinois University

Eric Hoffman  
  Plymouth State University

Chris Holmes  
  Florida State University

Frederick House  
  Drexel University
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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Steve Jayne</td>
<td>Woods Hole Oceanographic Inst.</td>
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<td>Everette Joseph</td>
<td>SUNY, Albany</td>
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<td>Petra Klein</td>
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<td>Keah Schuenemann</td>
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Tuesday October 13, 2015

1. **Welcome.** Chair of the UCAR Board of Trustees, Eric Betterton (University of Arizona), called the Annual Meeting to order. Betterton welcomed new and returning UCAR Members Representatives, appointed substitutes, members of the Board of Trustees, the President’s Advisory Committee on University Relations (PACUR), and Early Career Faculty Guests, staff from the National Science Foundation, UCAR, NCAR, and UCP staff and for the first time, member representatives connecting via webcast. Betterton gave a brief update on the search for the next UCAR President. The Board of Trustees has formed a search committee and has selected a search firm with expertise in filling leadership positions for research and academic institutions. The Board hopes to have a permanent president in place by May 2016. The Search Committee is chaired by Board Vice Chair Everette Joseph (SUNY, Albany) and includes Roberta Balstad (Columbia Univ.), Eric Barron (Pennsylvania State), Rit Carbone (NCAR), Kelvin Droegemeier (University of Oklahoma), Kelly Fox (University of Colorado), Yvette Richardson (Pennsylvania State), Scott Sternberg (Vaisala Inc.) and Eric Betterton (University of Arizona) as Ex Officio.

**Secretary’s Report.** Betterton introduced the Secretary of the Corporation, Gene Takle (Iowa State Univ.), who offered the minutes from the 2014 Annual Meeting for approval. A motion was made to approve the minutes; the motion was seconded and minutes were approved without change.

2. **State of UCAR Address.** Interim UCAR President, Michael Thompson started with a brief introduction of himself. He spent twenty years as a faculty member at UK universities as a Solar Physicist. He first came to NCAR as an HAO postdoc, and later served as HAO Director, NCAR Deputy Director and is now serving as UCAR Interim President. Thompson explained that recently the UCAR Communications department asked staff to describe what it’s like to work at UCAR in six-word stories and he shared three: Impact achieved through science and community, Josh Young UCP, What we do makes a difference, Linda Echo-Hawk NCAR, and Betterment of life on earth. Period. Shawn Winkleman UCAR. These stories sum up, in Thompson’s, opinion the commitment of the UCAR/NCAR staff to our shared mission and sense of common purpose. This is also a quality Thompson said he has found within the university collaborators as well. He pointed out that the goal of betterment of life on earth is a lofty one, but together we have
achieved so many breakthroughs through our collective actions and he believes this is the power of UCAR. Thompson reminded everyone of the vital task to nurture and guide the next generation of researchers. Our community is our strength and we should expect continuous improvement from each other. As UCAR prepares for the re-competition for the management of NCAR, we are looking to our Members to help us continue to improve. Thompson continued his report with highlights from around the organization including the new Supercomputer, which deploys in the second half of 2016 and will be operational by January 2017. This new computer will have twice the sustained performance of the current Yellowstone and the operation of both computers will overlap through the end of 2017. COSMIC-2 will launch in September 2016 which will provide 5 soundings per day to support weather, climate and space weather research operations. Another highlight was from the ICEBridge campaign, which included many UCAR member universities as well as colleagues from NASA and NOAA. The Climate Data Guide is providing concise and reliable expert guidance on the strengths, limitations and applications of climate data. It has more than 175 data sets that are evaluated for pros and cons by nearly 50 climate experts and as of 2014 had 143,000 unique users. He reminded everyone that more information on these highlights and other stories about research and facilities capabilities can be found on the AtmosNews website. In closing, Thompson reviewed the three focus areas for the coming year including preparing the upcoming re-competition to manage NCAR, continuing our advocacy, and further strengthening services for and collaboration with our Members.

3. **Committee reports.** Former Board Chair, Roberta Balstad introduced the committee chairs that would be giving the following reports.

Governance Task Group (GTG) Co-chair Fred Carr (Univ of Oklahoma) and GTG member and Trustee Scott Sternberg (Vaisala Inc.) reminded the Member Representatives of the process the GTG goes through each year when considering proposed changes to the Bylaws which includes a comment period for Member reps to give feedback and suggestions and the educational webinar that is held before the Members Meeting to review the details of the proposed changes. Carr and Sternberg presented the following proposed Bylaw changes, which are all related to allowing remote voting at the Annual Members Meeting:

1. Allow Members to vote before the Annual Meeting starts, and restate the purpose of the meeting.
2. Change the definition of Quorum, so that it is defined as a majority of current Members
3. Allow Members to vote remotely, thus not requiring presence at the Members Meeting to vote.
4. Change the election of the Members Nominating Committee and the trustees so that the candidates receiving the highest number of votes cast will be elected.
5. Change the affirmative requirement for election and re-election of Members, and Bylaw amendments from two-thirds of the Members present where a quorum is present, to two-thirds of Members voting.
After some discussion, a motion was made to table the vote on these proposed changes to next year. The motion was seconded and voted on. By a show of hands the motion to table the vote failed. The vote on the proposed Bylaw changes proceeded without change.

Members Nominating Committee Chair Rich Clark (Millersville Univ.) presented the Members Nominating Committee report. Clark reminded the Member Representatives that the information on the candidates for the Board of Trustees and the Member Committees was posted on the meeting website and was referenced in the Notice of Meeting.

Nominees for Institutional Trustees
Eric Betterton, University of Arizona
Kristie Boering, University of California, Berkeley
Rafael Bras, Georgia Institute of Technology
Tony Hansen, St. Cloud State University
Bob McCoy, University of Alaska, Fairbanks
Michael Morgan, University of Wisconsin, Madison

Trustees-at-large
Kelly Fox, University of Colorado
Kathleen Ritzman, Scripps Institution of Oceanography

Former Chair Balstad asked for any nominations from the floor to the Board of Trustee slates. No nominations were made.

President's Advisory Committee on University Relations (PACUR)
Gannett Haller, Nevada System of Higher Education
Eric Hoffman, Plymouth State University
Katharine Hayhoe, Texas Tech University
Rachel Pinker, University of Maryland
Allison Steiner, University of Michigan

Membership Committee
Rich Dixon, Texas State University, San Marcos
Redina Herman, Western Illinois University
Richard Grotjahn, University of California, Davis
Tom Mote, University of Georgia
Bob Street, Stanford University

SPEC (Scientific Programs Evaluation Committee)
Jim Anderson, Arizona State University
Bob Dickinson, University of Texas, Austin
Jim Kinter, George Mason University
Joyce Penner, University of Michigan
Mary Jo Richardson, Texas A&M University
Members Nominating Committee
Clark reminded the Member Representatives that, as a result of the 2014 bylaw change, Members would elect individuals to serve 1 year, 2 year and 3-year terms:

1-year term
Teresa Bals-Elsholz, Valparaiso University
Ramon Lopez, University of Texas, Austin
Kirk Maasch, University of Maine
Berrien Moore, University of Oklahoma

2-year term
Lourdes Aviles, Plymouth State University
Rich Clark, Millersville University
Noah Diffenbaugh, Stanford University
Efi Foufoula-Georgiou, University of Minnesota

3-year term
Larissa Back, University of Wisconsin, Madison
Steve Businger, University of Hawaii
Walt Robinson, North Carolina State University
Ulii Siebt, University of California, Los Angeles
Ping Yang, Texas A&M University

Membership Committee Chair, Jim Carton (Univ of Maryland) gave the report from the Membership Committee and reported that the committee was recommending the renewal of the following members:

California Institute of Technology
University of California, Davis
Central Michigan University
College of Charleston
University of Delaware
Georgia Institute of Technology
McGill University
Metropolitan State College of Denver
Naval Postgraduate School
Nevada System of Higher Education
University of New Hampshire
Oregon State University
Purdue University
Universidad Metropolitana

Carton also reported that the Membership Committee reviewed the applications for four new members, and the committee was also recommending the approval of the following new members:

Dartmouth College
Embry-Riddle University
San Diego State University
University of British Columbia
Former Chair Roberta Balstad reviewed the voting procedures reminding the Members Representatives that prior to registering for the meeting fellow member representatives were to decide which representative would be the voting rep and that everyone was required to check in by 8 am to secure the count for the quorum. Balstad also reminded everyone that Bylaw changes and Memberships must receive 2/3 affirmative votes to pass and Trustees candidates and individuals to the Members Nominating Committee need to receive a majority of the votes to be elected.

4. **National Science Foundation Update.** AGS Section Head, Sarah Ruth gave the update from the National Science Foundation. Ruth briefly spoke about the current budget situation with the President’s FY16 budget request showing a 5.2% increase for NSF, 4.7 for AGS and .8% for NCAR. Because of the continuing resolution there will be no new programs and funding prioritization is according to immediate needs such as facility cost, continuing awards and postdoc research fellows. Ruth announced the mid-term reviews of NCAR’s science and UCAR’s management review would start in 2016. AGS is working on a new Strategic plan, and Geospace is currently going though a portfolio review with the first manifestation of the review will show up the new strategic plan. Another project NSF is working on is better communication of what exactly the National Science Foundation does. The primary message is: The National Science Foundation is vital because we invest in basic research and people. This investment is a primary driver of the U.S. economy. It also enhances our nation’s security, and gives this country the competitive edge to remain a global leader.

5. **Treasurer’s Report.** UCAR Treasurer, Kelly Fox (Univ. of Colorado) gave the Treasurer’s report. Fox reported that with one-time projects from FY10, FY11 and FY12 completed funding and expenditures normalized in FY13 through FY15. UCAR is spending within lower budgets consistent with the Board’s budget priorities. For FY15, NSF new base funding is up 3.2% and Non-NSF new funding is down for FY15.

6. **Business Development & Washington D.C. Update.** Senior Advisor to the UCAR President Scott Rayder introduced his team, Ari Gerstman Director of Washington Operations, Meg Thompson and Joel Widder from Federal Science Partners. Rayder reported on some of the possible budget highlights from the President’s FY16 budget. He also reported the COMSIC II had two funding lines totaling $20 million dollars and the Airborne Phased Array Radar (APAR) research and development request is at $25 million over the next five years. Rayder said it would be interesting to see what congress does since the continuing resolution will be in place at least until December 11, 2015 and NSF is under severe pressure in the House on what they can and cannot fund. Rayder gave some brief highlights from some of the VIP visits to NCAR over the last year including visits from Senate Appropriations Staffers, NSF Director Dr. France Cordova, Colorado Governor John Hickenlooper, former Colorado Governor Bill Ritter and Congressman Ed Perlmutter. Rayder shared some of the metrics on Advocacy activities, which included the number of Washington Updates and action alerts sent in 2015. Rayder introduced
Meg Thompson and Joel Widder, from Federal Science Partners, to give an update on the Federal Budget. Thompson talked briefly about the Budget Control Act of 2011 and how it impacts the budget moving forward. Widder talked about the current UCAR public policy issues currently focused on the importance of the Geosciences and pending weather related legislation. Ari Gerstman, UCAR Director of Washington D.C. Operations, talked about the UCAR Congressional briefings that had been held on the Hill over the last year including briefings on El Nino, Hurricanes and the Arctic. Rayder spoke briefly about the UCAR Weather Day on the Hill event that was held in May in conjunction with the UCAR Board of Trustees meeting and PACUR’s spring meeting. Rayder thanked all the individuals that participated in the event: Remata Reddy (Jackson State University), Loren White (Jackson State University), Gudrun Magnusdottir (University of California, Irvine), Kathleen Eiler (University of California, Irvine), Phu Nguyen (University of California, Irvine), Ashley Payne (University of California, Irvine), Clint Rowe (University of Nebraska-Lincoln), Adam Houston (University of Nebraska-Lincoln), David Alexander (Rice University), Jim Miller (Rutgers University), Alan Robock (Rutgers University), Ken Bowman (Texas A&M University), Istvan Szunyogh (Texas A&M University), William Gern (University of Wyoming), Bryan Shader (University of Wyoming), Vanda Grubisic (NCAR Earth Observing Lab), Jim Moore (NCAR Earth Observing Lab)

7. **NCAR Non-NSF Proposal Review Panel Report (PRP).** In place of the PRP Chair Bob Street (Stanford Univ.), Panel Member Vernon Morris (Howard Univ.) gave the first annual report from the PRP. Morris reminded the Member Representatives that as a result of discussion between UCAR, NCAR, PACUR and the NSF the review of these proposals is no longer the responsibility of PACUR. The NCAR Non-NSF Proposal Review Panel (PRP) is now responsible for the yearly reviews. The PRP is charged with ensuring the use of NCAR staff and facilities does not create an unfair advantage over the universities. The PRP conducts a retrospective review of proposals in excess of $300,000 and uses review criteria approved by the NSF. Morris explained that according to the criteria unfair advantage is the use of NSF funded facilities over and above what a typical university research may have access to and co-sponsorship or leveraging of NSF base funded staff over and above what a university researcher can leverage. He further explained that unfair advantage is not competition with the community for sponsor funding, a non-collaborative proposal and the use of UCAR/NCAR facilities that are equivalent to what is typically available to a university researcher. Morris reported that the Panel met in Boulder on August 13 to review the FY14 proposals. Out of 94 eligible proposals, the Panel looked at 1/3 with an eye on those with co-sponsorships, and significant high use of High Performance Supercomputing. At the end of the review the Panel found no proposals that could be deemed unfair to the universities.

8. **PACUR Report.** PACUR Chair Yvette Richardson (Penn State) gave the report from PACUR. Richardson reported that over the last year, PACUR had met twice in person, once last October and again with the Board of Trustees in Washington D.C. in May. In addition PACUR has been working on planning the program of this year’s Members Meeting and other universities relations topics including UMatch, UVisit and the Members Questionnaire. Richardson also
talked about the role of the Member Representatives and reminded everyone that they should be conveying the results of the members meeting back to their colleagues, seeking their input on UCAR matters, and maintaining contact with UCAR and/or PACUR about any concerns the Member may have.

9. **Afternoon breakout sessions.** All meeting attendees participated in the first session: *Management of NCAR by...?* The intent of this session was to give UCAR management some insights for the preparation for the re-compete for the management of NCAR. For the second session meeting participants have the choice between *Member Engagement or University Expectations for NCAR’s Diversity, Education and Outreach.*

10. **Management of NCAR By...? Breakout session report.** Members of PACUR, who helped facilitate the breakout sessions, reported on some of the comments and suggestions from their individual breakout groups. The groups were to discuss what the benefits are of UCAR managing NCAR and what are the weaknesses? The themes heard in many of the groups included: “to have a National Center, you need national representation which UCAR has”, the focus needs to be on the management of NCAR not just the continuation of UCAR, UCAR is a pretty democratic organization, and that gives the universities a voice, “105 brains are better than one, but 105 cooks make a bad soup”, UCAR has the ability to gage the global community. Weaknesses of UCAR included: lack of transparency, staff morale problems, and UCAR needs to improve efficiency. Strengths included: UCAR has a strong legacy of leadership, UCAR’s advocacy and is facilitator for the community. There was a suggestion made that UCAR could take a proactive role helping PIs write white paper proposals and putting a little money into allowing groups to meet and see how and if the idea could grow.

**Wednesday, 14 October**

11. **Member Engagement Breakout session report.** UCAR President’s Office Chief of Staff Stephanie Gillin reviewed some of the comments and suggestions from the Member Engagement session, held the day before. Suggestions about what the Members can do to help with the recompetition included writing letters of support, providing success stories, spreading the word about UCAR, forming a red team of member representatives. The benefits of UCAR membership are advocating for the science on the Hill, training scientists, teachers and students, facilities and data analysis, combating isolation and the UCP programs. The priorities UCAR should focus on over the next two years include explaining what UCAR does and what is NCAR (think about a UCAR 101 meeting or website), identifying all the stakeholders, determining the weaknesses and work on improving, explain how “We are UCAR”, what that means, and focus more on listening to the universities.
12. **Election results.** Former Board Chair, Roberta Balstad reported on the results of the elections. The results of the proposed Bylaw changes were:

- Allow Members to vote before the Annual Meeting starts, and restate the purpose of the Annual Meeting. **No (28/54)**
- Change the definition of quorum so that it is defined as the majority of current Members. **No (51/31)**
- Allow Members to vote remotely, thus not requiring presence at the Annual Meeting to vote. **No (49/33)**
- Change the election of the Members Nominating Committee and the Trustees so that the candidates receiving the highest number of votes cast will be elected. **Yes (56/26)**
- Change the affirmative requirement for the election and re-election of Members, and Bylaw Amendments from two-thirds (2/3) of Members present where a quorum is present, to two-thirds (2/3) of Members voting. **No (52/30)**

All of the renewing members were approved, and Dartmouth College, Embry-Riddle University, San Diego State University and the University of British Columbia were approved as new members.

**The following were elected to serve as Institutional Trustees:**
Eric Betterton, University of Arizona  
Kristie Boering, University of California, Berkeley  
Rafael Bras, Georgia Institute of Technology  
Michael Morgan, University of Wisconsin, Madison

**The PACUR Slate was approved:**
Gannett Haller, Nevada System of Higher Education  
Eric Hoffman, Plymouth State University  
Katharine Hayhoe, Texas Tech University  
Rachel Pinker, University of Maryland  
Allison Steiner, University of Michigan

**The Membership Committee slate was approved:**
Rich Dixon, Texas State University, San Marcos  
Redina Herman, Western Illinois University  
Richard Grotjahn, University of California, Davis  
Tom Mote, University of Georgia  
Bob Street, Stanford University

**The SPEC slate was also approved:**
Jim Anderson, Arizona State University  
Bob Dickinson, University of Texas, Austin  
Jim Kinter, George Mason University  
Joyce Penner, University of Michigan  
Mary Jo Richardson, Texas A&M University
The following individuals were elected to serve a 1, 2 or 3-year term on the Members Nominating Committee:
Lourdes Aviles, Plymouth State University -2-year
Larissa Back, University of Wisconsin – Madison – 3-year
Teresa Bals-Elsholz, Valparaiso University- 1-year
Steve Businger, University of Hawaii – 3-year
Rich Clark, Millersville University – 2-year
Efi Foufoula-Georgiou, University of Minnesota – 2-year
Ramon Lopez, University of Texas – Arlington – 1-year
Kirk Maasch, University of Maine – 1-year
Walt Robinson, North Carolina State University – 3-year

13. **Climate Change Impacts Panel Discussion.** UCAR Interim Present Michael Thompson and PACUR Member Dan Cziczo introduced the format for the Climate Change Impacts Panel, which included discussions led by each panelist: John Nielsen-Gammon (TX A&M), Kathie Dello (Oregon State), Caspar Ammann (NCAR), Robert Pasken (St. Louis Univ.), David Stooksberry (Univ of Georgia), and Ed Dunlea (National Academies). The Panel Discussion concluded with an open round table discussion and questions and answer period.

The meeting adjourned at 12:30 pm

~End of Minutes~

Respectfully submitted,

Aneka Finley
Assistant Secretary, UCAR

Approved by:

UCAR Secretary