MARY GLACKIN: PRESIDENT’S MESSAGE

The 2020 Annual Meeting in Boston celebrating our 100th anniversary was outstanding success with record attendance. We were fortunate to have this meeting early in the year as by March, COVID and its associated restrictions had gripped the US and the world. This required moving all activities on-line including, ultimately the 101st meeting originally scheduled for New Orleans, LA in January 2021. I can’t say enough about the hard work and dedication of AMS staff and volunteers to meet these challenges. Below I list of some the more significant accomplishments of 2020.

AMS moved forward on several fronts to make our community a welcoming space where all can contribute to their maximum. Council approved its only cabinet level organization to help guide all of the Society’s efforts – the Culture and Inclusion Cabinet with the inaugural chair of Dr. Melissa Burt. An early accomplishment was implementation of implicit bias training for staff and volunteers. To meet current challenges and better support our members the Board of Women and Minority was reformulated as the Board of Representation, Accessibility, Inclusion and Diversity (BRAID) under the leadership of Dr. Arron Penã. The Ethics Committee was stood up and Council adopted a Code of Conduct expanding beyond the traditional research and publication guidelines. New awards honoring our diverse current and existing members were established or awarded for the first time this year including the Syukuro Manabe Climate Research Award, the Joanne Simpson Tropical Meteorology Research Award, and the Warren Washington Research and Leadership Medal. And, the Broadcast Meteorology Award was renamed for Dr. June Bacon-Bercy.

Thanks to the generosity in our community, the AMS Centennial Campaign concluded with an amazing $11M raised. Much of these funds will support students and early career members of our community. Several Centennial initiatives moved forward focusing on engaging broader society. These efforts were the impetus to reorganize the Commission of Education and Human Resources to the Education and Community Engagement Commission with a focus on education, member support, and service to society.

Despite it being a fully virtual meeting the 101st Annual Meeting was a success. The meetings’ theme was **Strengthening Engagement with Communities through our Science and Service.** It kicked off on Sunday with a Presidential Session on *Building a Culture of Anti-Racism in the Weather, Water and Climate Community*. Other highlights included the new National Science Foundation Director, Dr. Sethuraman Panchanathan sharing NSF’s strategic goals and New Orleans Mayor Latoya Cantrell speaking about increasing resiliency of New Orleans through community engagement.

AMS Council appointed a search committee for a new executive director led by Dr Kevin Petty. After nearly 20 years of service, Keith Seitter planned to step into an Emeritus role. I am very grateful to Keith and all of the AMS staff for their dedication. From managing to secure a federal loan/grant for pandemic relief, to launching our first weather enthusiastic offering *Weather Band*, to moving meetings on line, their performance was stellar in a very challenging year.

Mary M. Glackin
2020 AMS President
AMS journals are known for rigorous peer review and for publishing high impact papers. AMS provides above-average levels of customer service for authors, and staff support for volunteer editors that allows AMS to attract highly regarded members of the community to serve on our editorial boards. During 2020, we continued efforts (begun in 2018) to streamline editorial workflows, cut costs, and further reduce production times keeping publication operations in line with standard practices across the scholarly journals publishing industry. Along with the September 2019 reduction in page charges, the above enable us to promote AMS journals as a good value for authors at a time when research budgets are shrinking, and publication options are expanding.

There is continued author and funder interest in Open Access, and the “Open Choice” option for authors allow AMS to accommodate authors and funder requirements under our existing policies.

**Highlights for 2020**

- AMS journals received a total of 3549 submissions in 2020, resulting in a total of 34,042 published pages (not counting BAMS).
- BAMS published 3723 pages.
- AMS journals completed two hosting transitions in 2020 and ended the year at its new host that will provide expanded functionality.
- Plain-language significance statements are now an option for authors in all journals.

![Submissions Received 2011-2020](image-url)
COVID-19 and AMS Publications

Throughout 2020, the Publications Department carried out normal operations. The move to work-from-home for all AMS staff starting in mid-March due to COVID-19 had no impacts on author and editor support, or on production schedules. Primary reasons for the minimal impacts were: (1) the option for staff to work from home one or two days per week was already long-established, and (2) the department’s systems and workflows do not rely on physical office locations. In addition, key vendor services (submission tracking and author/reviewer database, composition and related services, online hosting) also continued normal operations during this time.

In response to COVID-19 disruptions on researchers’ work and personal lives, we made our journals content freely available from 25 March through 30 September 2020. Normally, all AMS journal articles are freely available one year after publication date. Responses from institutional library staff as well as individual readers indicated that the access was helpful.

AMS Books program ramp down

The ramping down of the Books program was completed in 2020. Ongoing Books activities have been incorporated into the responsibilities of other department staff. Books for which there are existing contracts with authors will be published. We will continue to support distribution and promotion of these books, as well as books we have previously published, including through the AMS online bookstore and through our distribution partnership with University of Chicago Press. It is possible that AMS will occasionally publish a book of particular importance to the community, but these are expected to be rare exceptions: we are not actively seeking new titles.
MEETINGS

The Society came out of the very successful 100th AMS Annual Meeting in January 2020 with a great deal of momentum. That meeting featured 38 conferences and symposia and boasted a record number of presented papers (over 4000) as well as a record attendance of over 5700. Then, in March, the COVID shutdowns forced a rapid change in all aspects of the meetings operations. Most specialty conferences planned for the year were deferred for future years at the request of the volunteer program committees, but two, the 19th Conference on Mountain Meteorology and AMS Washington Forum, were successfully administered as virtual meetings.

The 101st Annual Meeting was held 10-15 January 2021. AMS President Mary Glackin worked with overall program chairs Tanja Fransen and Nate Johnson, along with the many volunteer program committees and the AMS staff, to convert the meeting to an all-virtual event instead of the in-person meeting scheduled to be held in New Orleans. The theme for the 2021 Annual Meeting was “Strengthening Engagement with Communities through our Science and Services,” and it included 39 conference and symposia.

The transition to being a fully virtual meeting was not an easy one for a meeting as large and complicated as the Annual Meeting, but the meetings staff rose to the challenge. There were some minor technical issues at times, but overall, the meeting platform performed well. By all measures the meeting was a success with over 3000 papers presented and about 4700 registered attendees (both of which are well above any annual meeting other than the prior 100th Annual Meeting).
EDUCATION PROGRAM

The AMS Education Program continues to fulfill our earth science literacy mission on behalf of the AMS membership and complete all our activities despite the COVID-19 pandemic. In December 2020, the program celebrated its 30th anniversary and also reached the milestone of completing the 50th consecutive semester of the AMS DataStreme program, the semester-long teacher professional development courses in weather, ocean, and climate science.

2020 Highlights

- Successfully completed all three offerings of the Fall 2020 DataStreme courses to 77 participants, despite significant COVID-19 stresses on teacher participants and staff.
- Awarded the first DataStreme Fee Waivers to teacher participants with financial need this semester. There were 10 recipients.
- Continued to meet faculty and student demand for our Weather, Ocean, and Climate Studies curriculum sets. Despite the turbulent times for academia, our undergraduate course sales held strong due in part to their design being well-suited to online implementation.
- Continued to actively engage in the weather, water, and climate communities served by the AMS, including continuing to promote atmospheric science education research (ASER), being a part of developing the Action Climate Empowerment (ACE) Strategic Plan for the U.S., collaborating with AIP & AGI, and participating in NAS webinar, Imagining the Future of Undergraduate STEM Education.
- Completed successful 100% virtual offering of Project Atmosphere Summer 2020 teacher professional development course. Key field trip elements were delivered remotely, and the course design allowed for strong group bonding.
- Adapting to support evolving bookstore sales models (necessitated by the pandemic) to meet demand for our Weather, Ocean, and Climate Studies curriculum.

Certified AMS Teacher (CAT) Program

AMS began awarding certifications to K-12 teachers in 2020. The Certified AMS Teacher (CAT) Program was established by the AMS to recognize and support educators actively engaged in raising Earth science literacy. CAT specifically connects K-12 educators to AMS, which strengthens their connection to the atmospheric science community and its resources.

There were 28 teachers awarded their CAT certification in 2020.
The AMS Policy Program has three primary goals: 1) to help ensure that policy choices take full advantage of information & services relating to weather, water, & climate, 2) to increase awareness of how society’s welfare depends on Earth system observations, science, & services, and 3) to facilitate collaboration across the enterprise to most effectively serve public interest.

The work toward those goals, the Policy Program uses three primary approaches: 1) we develop the capacity within the scientific community to contribute to the policy process (e.g., the Summer Policy Colloquium), 2) we inform policy makers about well-established scientific understanding and new advances (e.g. memos and Hill briefings), and 3) we synthesize knowledge at the interface of science and policy through workshops and studies. We also help advance and defend science.

2020 Highlights

- Release of study: “New Minds for New Science: The Forecast for Work in the Weather, Water, and Climate Enterprise“ — This study looks at how the workforce is undergoing a period of rapid change due to a wide range of technological and societal shifts. These drivers of change will touch virtually every professional field and individual career throughout the world over the next 1–3 decades. The study examines workforce influences and needs for the weather, water and climate enterprise.

- 20th Summer Policy Colloquium offered as a fully virtual event — Due to COVID, the Colloquium was retooled to be fully virtual. About 25 participants and 50 speakers took part in what was ultimately a very successful Colloquium.
MEMBERSHIP

There has been a gradual decline in membership numbers across nearly all non-profit societies, including AMS, for a number of years. Given that, AMS has expanded marketing efforts to try to have lapsed members rejoin the society and to increase recruitment of new members.

2020 Highlights

- 11,336 individuals and organizations were members of the Society in 2020, down from the 11,752 who were members in 2019.
- 2020 was the first membership year in which full Members (including former early career members) were asked to self-select their dues amount based on income level. As of December 31, 2020, the average amount paid by an individual Member was $111, the same dues rate paid by full Members in 2019.
- With the 2020 dues renewal, we introduced an option for members to automatically renew their membership each year. By the end of the year, nearly 22% of those who were offered the option to auto-renew selected it.
- The 2020 membership year was also the first year members had to opt IN to receive their BAMS member subscription in print (all members continued to have automatic access to Digital BAMS). As of the end of the year, just 39% of members selected to receive print BAMS by mail vs. the 73% in 2019.

Membership by the numbers

<table>
<thead>
<tr>
<th>Member Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Honorary</td>
<td>31</td>
</tr>
<tr>
<td>Member (including Fellows)</td>
<td>8103</td>
</tr>
<tr>
<td>Graduate Student Member</td>
<td>356</td>
</tr>
<tr>
<td>Associate (including Voting Assoc.)</td>
<td>613</td>
</tr>
<tr>
<td>Precollege Student</td>
<td>104</td>
</tr>
<tr>
<td>Precollege Teacher</td>
<td>173</td>
</tr>
<tr>
<td>Student Member</td>
<td>1916</td>
</tr>
<tr>
<td>Sustaining CIM</td>
<td>8</td>
</tr>
<tr>
<td>Regular CIM</td>
<td>47</td>
</tr>
<tr>
<td>Small Business CIM</td>
<td>6</td>
</tr>
<tr>
<td>Publications CIM</td>
<td>79</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11,336</strong></td>
</tr>
</tbody>
</table>

AMS Weather Band

AMS launched a new offering for weather enthusiasts called the AMS Weather Band in November 2020. The project includes a new website, online community, and retail merchandise. The year ended with about 200 new Weather Band members.
The AMS Online Community platform continues to provide valuable content to AMS members. Virtual events and conferences were supported by new community pages, including the 19th Conference on Mountain Meteorology and the 101st AMS Annual Meeting.

In 2020, that content included the following “Ask Me Anything” events:

- Careers Renewable Energy (February)
- Careers in Consulting Meteorology (June)
- President-Elect Candidates (August)
- Thriving Earth Exchange Fellowships (September)
- Careers in Hydrology (November)

**Highlights for 2020**

- 4,986 unique logins
- over 400 new member profiles completed
- 1,549 posts to the Community’s Open Forum
- 201 peer-to-peer messages
- 199 Recommends

---

**Local Chapters**

The chapter web site was updated to include documents and links to help local chapters with basic administration and planning tasks, as well as social media, yearly programming, fundraising, citizen science and volunteer initiatives.

There are currently 134 active local chapters: 70 student, 56 local, and 8 precollege. Four chapters were approved and/or reactivated in 2020.

- University of Utah Student Chapter
- SUNY Brockport (reactivation)
- New Cathedral School (pre-college)
- Hampton Roads (reactivation)
AMS provides many professional development and networking opportunities and offers a variety of resources to support members throughout their careers.

Career Resources Survey
The results of the Career Resources Survey we sent out in July showed that the most valued AMS professional development opportunities were the Webinar Program, CCM Program, Short Courses, and Conferences/Meetings.

Highlights for 2020
- 25 new webinars were produced
- 18 new podcasts were released
- 17 new Career Profiles added to the All About Careers in Meteorology page
- A section on Preparing Students for Employment in the Private Sector was added to the Career Guides and Tools page
- A link for retirees was added to the Professional Development page to direct them to ways to stay engaged with AMS
- A new Schools and Distance Learning landing page was created on the Career Guides and Tools site along with an updated Continuing Education page for a more polished look
- A Manage My AMS Certification page was created to make it easier for current AMS Certification holders to maintain their certifications
- Two AMA's in the online Community featuring careers in Hydrology and Consulting Meteorology

AMS Certification Programs
The AMS Certified Consulting Meteorologist (CCM) Program and the AMS Certified Broadcast Meteorologist (CBM) Programs remain an important part of the AMS community. These widely respected programs continue to recognize meteorologists who have met the high standards of AMS certification.

- 31 persons were approved as Certified Broadcast Meteorologists. There are 584 active CBMs.
- 15 persons were approved as Certified Consulting Meteorologists. There are 250 active CCMs.

Learn more about AMS Certification Programs at [http://www.ametsoc.org/amscert/](http://www.ametsoc.org/amscert/).
DEVELOPMENT

As the American Meteorological Society closes out our Centennial Campaign, I am delighted to tell you that it was an unprecedented success. We surpassed our original goal of $9 million, and I am happy to report that AMS members and friends have raised a total: $10,298,052 in the following categories:

- Current: $5,263,622
- Short-term commitments: $872,991
- Charitable Gift Annuities: 387,189
- Estate Commitments: $3,774,250

The support for student scholarships, fellowships, and travel grants remains very strong. A final list of Campaign contributors will be provided online later this year.

Lockheed Martin continued its ongoing support as AMS Corporate Patron.

FINANCES

The Society completed the 2020 budget year with a positive bottom line, which was considerably better than expected given the challenges posed with the pandemic and all the major changes in programs and operations that resulted. Strong performance by the AMS journals and the 100th Annual Meeting, which occurred just before the pandemic, contributed to that positive result.

AMS applied for, and received, a Payroll Protection Program loan from the federal government under the CARES Act covid relief programs. This funding was used, as prescribed, to maintain full pay for all AMS staff positions even as some operational areas (such as AMS meetings) needed to ramp down in response to the pandemic.

Further, the Society’s investments saw excellent returns in 2020 and ended the year with significant gains, further restoring reserves that had needed to be drawn from in some recent prior years. Charitable giving to the Society, much of which is used to support scholarships, fellowships, travel grants, and other student programs, was relatively strong given the challenges faced by most community members during the year, allowing the Society to successfully surpass even its “stretch goal” of $10 million for the entire 100th Anniversary Campaign.
THANK YOU

AMS Boards and Committees in 2020

AMS advances the atmospheric and related sciences, technologies, applications, and services for the benefit of society.
AMS VOLUNTEER STRUCTURE

The following list provides the membership of all AMS boards and committees in 2020. Current board and committee membership can be found on the AMS website.

Officers
President:
Mary. M. Glackin*
President-Elect:
Michael Farrar*
Executive Director:
Keith L. Seitter, CCM*
Secretary-Treasurer:
Richard D. Rosen*

Past Presidents
Jenni Evans*
Roger M. Wakimoto*

Councilors
Derek Arndt
Melissa Burt*
Kristie Ebi
Erica Grow Cei, CBM*
Jen Henderson
Robert Henson
R. Higgins
Kimberly Klockow McClain
Gary Lackmann
L. Leung
Shali Mohleji
Vernon Morris
Shirley Murillo
Julie Pullen
Jim Steenburgh

* Executive Committee Members

Commissioners
Anthony Broccoli
Genene Fisher
Kevin Goebbert
Douglas Hilderbrand
Maureen McCann, CBM, CCM
Yvette Richardson

CULTURE AND INCLUSION CABINET
Melissa Burt, Chair
Chris Atchison
Mona Behl
John Cortinas
Jenni Evans
Elyse Hagner
Kei Koizumi
Amy McGovern
Yvette Richardson
Irene Sans
Anthony Wilson, Student Member
Tevin Wooten
Vernon Morris, Ex Officio
Aaron Pina, Ex Officio

COMMITTEES OF THE EXECUTIVE COMMITTEE

Annual Meeting Oversight Committee
Clark Evans, Chair
Andrea Bleistein
James Doyle
David Gochis
Gaige Kerr
John Knox
Scott Mackaro
William Mahoney
Ajay Raghavendra, Student Member
Michael Farrar, Ex Officio
Mary Glackin, Ex Officio

Atmospheric Research Awards Committee
Richard Rotunno, Chair
George Bryan
Francina Dominguez
Inez Fung
Jennifer Kay
Kuo-Nan Liou

Frank Marks
Lynne Talley
Gabriel Vecchi
Dusan Zrnic
Mary Glackin, Non-voting Ex Officio

Awards Oversight Committee
Jenni Evans, Chair
Anthony Broccoli
Genene Fisher
Kevin Goebbert
Douglas Hilderbrand
Randal Koster
Maureen McCann, CBM, CCM
Richard Rotunno
Lynne Talley
Michael Farrar, Ex Officio
Mary Glackin, Ex Officio
Fei Chen, Non-voting Ex Officio
Roger Wakimoto, Non-voting Ex Officio

Committee on Environmental Stewardship
Christian Rhodes, Chair
Elizabeth Austin, CCM
Alison Banks
Barbara Boustedt
Kimberly Duong
Daniel Rothenberg
Amanda Staught
Kristan Uhlenbrock
Melissa Burt, EC Liaison

Finance Committee
Kathryn Schmoll, Chair
Richard Spaulding, Chair
Michael Elts
R. Higgins
Patty Leslie
John Potts
Richard Spaulding  
David Stensrud  
Jingli Yang  
Paul Try, Ex Officio  
Mary Glackin, Ex Officio  

**History Committee**  
Terrence Nathan, Chair  
Sim Aberson  
Warren Blier  
Gerald Dittberner, CCM  
Pat Fitzpatrick  
Leslie Hartten  
Jen Henderson  
William Henneberg  
Sean Potter, CBM, CCM  
Eugene Bierly, At Large  
James Fleming, At Large  
Gregory Good, Ex Officio  
Laura Hoff, Ex Officio  

**Hydrologic Research Awards Committee**  
Randal Koster, Chair  
Dennis Lettenmaier, Chair-Elect  
David Gochis  
Witold Krajewski  
Christopher Milly  

**Investments Committee**  
Paul Try, Chair  
Matt Coleman  
William Gail  
John Snow, CCM  
Mary Glackin, Ex Officio  
Yvette Richardson, Ex Officio  
Kathryn Schmoll, Non-voting Ex Officio  
Richard Spaulding, Non-voting Ex Officio  

**Local Chapters Affairs Committee**  
Kristofer Tuftedal, Chair  
Kevin Thiel, Chair-Elect  
Janice Bytheway  
Kyle Jordan-DeDeaux  
Lindsay Maudlin  
Emily Paltz  
Tanya Peevey  
Erinanne Saffell  
Adam Weiner  

**Membership Committee**  
Marshall Moss, Chair  
Brett Basarab  
Kristy Carter-Mauss  
Gina Eosco  
Rana Fine  
Erica Grow Cei, CBM  
Chad Kauffman  
Cody Kirkpatrick  
Sonia Kreidenweis  
Matthew Lacke  
Nicole LoBiondo  
Paul Try  
Mary Glackin, Ex Officio  

**Nominating Committee**  
Jennifer Alexander, Co-Chair  
Jose Fuentes, Co-Chair  
Sue Haupt, Chair-Elect  
Andrea Bleistein  
Carol Clayson  
John Cortinas  
Walter Dabberdt  
William Gail  
Michael Morgan  
Chidong Zhang  
Michael Farrar, Non-voting Ex Officio  
Mary Glackin, Non-voting Ex Officio  

**Oceanographic Research Awards Committee**  
Lynne Talley, Chair  
Michael Alexander, Chair-Elect  
Glenn Flierl  
Andrew Hogg  
Sydney Levitus  
Richard Rotunno  
Emily Shroyer  
Josh Willis  
Mary Glackin, Non-voting Ex Officio  

**COMMITTEES OF THE COUNCIL**  

**Awards Nominations Committee**  
Fei Chen, Chair  
Dara Entekhabi  
Gregory Fishel  
Efi Foufoula-Georgiou  
Lee-Lueng Fu  
Dennis Hartmann  
Glenn Kerr  
Natalie Mahowald  
Shawn Miller  
Andrea Ray  
Rita Roberts  
Anne Thompson  
Chidong Zhang  
Mary Glackin, Ex Officio  

**Diversity, Equity, and Inclusiveness Task Force**  
Susan Avery, Chair  
Mona Behl  
Andrea Bleistein  
Melissa Burt  
Donna Charlevoix  
Pamela Emch  
Kevin Goebbert  
Rebecca Haacker  
Jen Henderson  
Rajul Pandya  
Yvette Richardson  
J. Shepherd  

**Ethics**  
Frederick Carr, Chair  
Pamela Emch  
Jenni Evans  
Mike Farrar  
Tanja Fransen  
Sue Haupt  
Richard Hill  
Gary Lackmann  
Mary Matthews  
Michael Morgan  
Gerald Mulvey, CCM  
Xubin Zeng
Fellows
Roger Wakimoto, Chair
Jennifer Alexander
Linnéa Avalone
Shuyi Chen
Christopher Davis
Peter Neillley
Mark Powell
Carolyn Reynolds
Alan Sealls, CBM
Christopher Thornicroft
Daniel Wilks
Frederick Carr, Non-voting Ex Officio
Jenni Evans, Non-voting Ex Officio
Mary Glackin, Non-voting Ex Officio

International Affairs Committee
Ghassem Asrar, Chair
Frederick Carr
Daniel DePodwin
Natalia Donoho
Jenni Evans, Past President
Robert Goldhammer
Gregory Gust
John Hayes
Renee Leduc
Lucas McDonald
Wassila Thiaw
H. Ahluwalia, Ex Officio

Public Policy
Mary Glackin, Chair
Jenni Evans, Past President
Michael Farrar, President-Elect
Kevin Goebbert, Commissioner E&E
Maureen McCann, CBM, CCM, Commissioner Prof Aff
Roger Wakimoto, Past President

Task Force on Professional Conduct
Melissa Burt, Co-Chairperson
Gary Lackmann, Co-Chairperson
Mona Behl
Donna Charlevoix
John Cortinas
Pamela Emch
Jenni Evans
Tanja Fransen
Kevin Goebbert
Rebecca Haacker
Jen Henderson
Gaige Kerr, Student Member

COMMISSION ON PROFESSIONAL AFFAIRS
Maureen McCann, CBM, CCM, Commissioner
Michael Augustyniak, CBM, Future Commissioner

Board of Broadcast Meteorology
Cheryl Nelson, CBM, Chair
Shel Winkley, CBM, Chair-Elect
Amy Aaronson, CBM
Danielle Armbricht, CBM
Jeffrey Forgeron, CBM
Chris Gilson, CBM
Christopher Gloninger, CBM
Emily Gracey Miller, CBM
Hannah Hissong, CBM
Joseph Murgo, CBM
Brandon Rector, CBM
Karli Ritter, CBM, CBM
Joseph Trujillo-Falcón, Student Member

Board of Broadcast Meteorology Standing Panel
Alejandro Garcia, CBM
Maureen McCann, CBM, CCM
Maria Molina
Theresa Moore, CBM
John Toohey-Morales, CBM, CCM

CBM Exam Review Committee
Troy Kimmel, CBM, Chair
Michael Augustyniak, CBM
Todd Glickman, CBM
Maureen McCann, CBM, CCM, Commissioner Prof Aff
Bernadette Placky, CBM
Danny Satterfield, CBM
Jason Shafer, CCM
Kathleen Walls, CBM

Committee on Station Scientist
Meredith Garofalo, CBM, Co-Chair
Amber Sullins, CBM, Co-Chair
Vanessa Alonso, CBM
Michael Augustyniak, CBM
Robert Lindmeier
Christopher Lusuriello, CBM
Maureen McCann, CBM, CCM
Elisa Raffa, CBM
Ariel Rodriguez Meulenert, CBM
Tammara Souza, CBM
Anthony Yanez
Michael Nelson, CBM, Ex Officio
Paul Gross, CBM, CCM, Non-voting Ex Officio
Hannah Hissong, CBM, Non-voting Ex Officio
Danny Satterfield, CBM, Non-voting Ex Officio

Board of Certified Consulting Meteorologists
Pamela Knox, CCM, Chair
Mark McGinnis, CBM, CCM, Chair-Elect
Elliot Abrams, CCM
Randall Bass, CCM
Thomas Bellinger, CCM
Louis Cantrell, CCM
Julie Gaddy, CCM
Samuel Miller, CCM
David Moran, CCM
Charles Paxton, CCM  
Kathryn Prociv, CCM  
Rick Shema, CCM

**Board for Early Career Professionals**  
Rebecca DePodwin, Chair  
Matthew Anderson  
Jordan Bell  
William Burkey  
Ash Cutright, Student Member  
Bradford Johnson  
Samuel Larsen  
Elizabeth McGiffin  
Molly Merrifield  
Rachael Peart, CBM  
Matthew Rogers  
Irene Sans  
Stephen Strader  
Morgan Yarker, CCM

**Board on Best Practices**  
Robert Eicher, CBM, Chair  
Gerald Mulvey, CCM, Chair-Elect  
Michael Augustyniak, CBM, Future Commissioner  
Erica Grow Cei, CBM  
Timothy Hall, CCM  
Maureen McCann, CBM, CCM, Commissioner Prof Aff  
Molly Merrifield  
Ariel Rodriguez Meulenert, CBM  
Tammara Souza, CBM  
David Vallee  
Alicia Wasula, CCM

**Board for Private Sector Meteorologists**  
Albert Betancourt, Chair  
Michael Augustyniak, CBM  
Kantave Greene  
William Henneberg  
Dominic Hernandez, Student Member  
Danielle Kozlowski  
Maureen McCann, CBM, CCM  
Kerry Mindiak  
Adam Simkowski  
Henry Slimming  
Adam Turchioe  
Rachel Wrenn

**Board for Operational Government Meteorologists**  
Ryan Ellis, Chair  
Stephen Bieda, Chair-Elect  
Brandon Bolinski  
Gordon Brooks  
Somer Erickson  
Kevin McGrath  
Angela Mose, Student Member  
Erik Pytlak  
Adam Roser  
Michael Seaman  
Keith Sherburn  
Katie Webster  
Jacob Wolf

**Board on Continuing Professional Development**  
Alejandro Garcia, CBM, Chair  
Mona Behl  
Dianna Francisco, Student Member  
Ashley Gann, CBM  
Karl Garman  
Kerrin Jeromin, CBM  
Rosana Nieto-Ferreira  
Andrew Odins  
Stephan Smith

**Publications Commission**  
Anthony Broccoli, Commissioner

**Members at Large:**  
Vanda Grubišić  
Pamela Heinselman, At Large

Robert Rauber, CCM, Former Commissioner  
Zhuo Wang

**Board of the Journal of the Atmospheric Sciences**  
Chief Editor:  
Anne Smith

**JAS Editors:**  
Mary Barth  
William Boos  
Elie Bou-Zeid  
Fotini Chow  
Yoshio Kawatani  
Sukyoung Lee  
David Mechem  
Lorraine Remer  
Christopher Rozoff  
Susan Van Den Heever  
Zhuo Wang  
Louis Wicker  
Ping Yang

**JAS Associate Editors:**  
Marta Abalos  
Marcelo Chamecki  
Edmund Chang  
Daniel Feldman  
Jerry Harrington  
Peter Haynes  
Christopher E. Holloway  
Adele Igel  
Yoshio Kawatani  
Christopher Kruse  
Matthew Kumjian  
Zachary Lebo  
Manuela Lehner  
Kerry Meyer  
Paul O’Gorman  
William Randel  
Jadwiga Richter  
Rosimar Rios-Berrios  
Daniel Stern  
Dandan Tao  
Shuguang Wang  
Yuan Wang  
Eric Wilcox  
Yang Zhang  
Pablo Zurita-Gotor
Board of the Journal of Applied Meteorology and Climatology

Chief Editor:
David A. R. Kristovich

JAMC Editors:
Stephan De Wekker
Andrew Ellis
Qi (Steve) Hu
Katherine Klink
Wen-Chau Lee
Anita Rapp
Sandra Yuter

JAMC Associate Editors:
David Bodine
Pao-Liang Chang
Scott Collis
Noam David
Scott Ellis
Guoqing Ge
Vctor Gensini
April Hiscox
Daniel Leathers
Maximilian Maahn
John Nielsen-Gammon
Dev Niyogi
Steven Quiring
Scott Robeson
Ivana Stiperski
Tracy Twine
Yalei You
Peyman Zawar-Reza
Kun Zhao
Shiyuan Zhong

Board of the Journal of Physical Oceanography

Chief Editor:
Jerome A. Smith

JPO Editors:
Paola Cessi
Ilker Fer
Gregory Foltz
Baylor Fox-Kemper
Karen Heywood
Nicoles Jones
Jody Klymak

JPO Associate Editors:
Hidenori Aiki
Maarten Buijsman
Tony Busalacchi
Jorn Callies
Sylvia Cole
Eric D'Asaro
Christopher Garrett
Peter Gent
Robert Hallberg
Céline Heuzé
Gregory Johnson
Samuel M. Kelly
Steven Lentz
Trevor McDougall
Roger Samelson
Andrew L. Stewart
Leif Thomas
Jacob O. Wenegrat
Daniel Whitt

Board of Monthly Weather Review

Chief Editor:
David M. Schultz

MWR Editors:
Altug Aksoy
Jeffrey Anderson
Tommaso Benacchio
Kristen Corbosiero
Matthew Eastin
Clark Evans
Jidong Gao
Almut Gassmann
Joshua Hacker
Daniel Hodyss
Matthew Kumjian
Ron McTaggart-Cowan
Glen Romine
Paul Roundy
Angela Rowe
Elizabeth Satterfield
Russ Schumacher
Stanley Trier
Christopher Weiss

MWR Associate Editors:
Angel Francisco Adames
David Adams
Rebecca Adams-Selin
Ghassan Alaka
John R. Albers
Wayne Angevine
Peter Banacos
Michael Bell
David Bodine
Kristin Calhoun
Alberto Carrassi
Steven M. Cavallo
Hui Christophersen
Adam Clark
Pedro da Silva Peixoto
Casey Davenport
Daniel Dawson
Jennifer DeHart
Charlotte DeMott
Andreas Dörnbrack
Yu Du
Michael Fischer
David Gagne
Thomas J. Galarneau
Burkely Gallo
Guoqing Ge
Eric Gilleland
Kevin Haghi
Andrew Hazelton
Aaron Hill
Stacey Hitchcock
Jana Houser
Haiyan Jiang
Aaron Johnson
Daryl Kleist
John Knaff
Andrew Kren
Andrea Lang
Sebastian Lerch
Yu-Chieng Liou
Luke Madaus
Bjorn Maronga
James Marquis
Rachel Mauk
Justin McLay
Jason Milbrandt
Justin Minder
Hiroaki Miura
Matthias Morzfeld
Jason Nachamkin
Lars Nerger
Erik R. Nielsen
Thomas Nipen
Christopher Nowotarski
Philippe P. Papin
John M. Peters
Riwal Plougonven
Inna Polichtchouk
Derek Posselt
Jonathan Poterjoy
Corey K. Potvin
Scott Powell
Julian Quinting
Rosimar Rios-Berrios
Masaki Satoh
Benjamin Schenkel
Andrew D. Schepen
Michael Scheuerer
Mark Schlutow
Carl Schreck
Craig Schwartz
Stefano Serafin
James Shaw
Jemma Shipton
David Sills
Patrick Skinner
Elizabeth Smith
Ryan A. Sobash
Jim Steenburgh
Stephanie Stevenson
Madalina Surcel
Robin Tanamachi
Wesley D. Terwey
Ryan Torn
Stefan Tulich
Daniel Tyndall
Paul Ullrich
Marcus van Lier-Walqui
Stephane Vannitsem
Adam Varble
Joanne Waller
Andrew Winters

Board of the Journal of Atmospheric and Oceanic Technology
Co-Chief Editors:
Luca Baldini
William J. Emery

JTECH Editors:
David E. Atkinson
Gilberto Fochesatto
Oceana Francis
Tetsu Hara
Evan Ruzanski
Kirsti Salonen
Tomoo Ushio

JTECH Associate Editors:
Hidenori Aiki
Hassan Al-Sakka
Alessandro Battaglia
Maristella Berta
Timothy Bonin
Timothy Boyer
Stuart Bradly
Haonan Chen
Brenda Dolan
Eric Firing
Lee-Lueng Fu
Guoqi Han
Leonid Ivanov
Heather Lawrence
Eric Leuliette
Haiyan Li
Toshi Matsui
Jeffrey Paduan
Gleb Panteleev
James Richman
Christoph Senff
Lynn Shay
Y. Song
Ali Tokay
Sebastian Torres

Board of the Journal of Climate
Co-Chief Editors:
John C. H. Chiang
Timothy DelSole
Mingfang Ting

JCLI Editors:
Mathew Barlow
Amy Clement
Matthew Collins
Aiguo Dai
Yi Deng

JCLI Associate Editors:
Richard Allan
John T. Allen
Elizabeth Barnes
Alexis Berg
Greg Bodeker
Massimo Bollasina
Suzana Camargo
Robin Chadwick
Andrew Charlton-Perez
Laura Ciasto
Peter Clark
Benjamin Cook
Qinghua Ding
Dietmar Dommenget
Amato Evan
Paul Field
Chaim I. Garfinkel
Peter Gent
Dennis Hartmann
Andrew Hoell
Chris Jones
Thomas Knutson
Yu Kosaka
Young-Oh Kwon
John Lanzante

Jason Evans
Michael Evans
Isaac Held
Xianglei Huang
Charles Koven
Tim Li
Wenjia Li
Xin-Zhong Liang
Benjamin Lintner
Shawn Marshall
Seung-Ki Min
Hisashi Nakamura
Rosana Nieto-Ferreira
Joel Norris
Yuko Okumura
Oleg Saenko
James Screen
Isla R. Simpson
Darryn Waugh
Renguang Wu
Baoqiang Xiang
Laure Zanna
Rong Zhang

AMS
Annual Report 2020 ametsoc.org 17
Paul Loikith
David Lorenz
Riyu Lu
Elinor Martin
Brian Medeiros
Vincent Moron
Masamichi Ohba
Yuko Okumura
Kathleen Pegion
Bing Pu
Thomas Reichler
Ben Sanderson
Agus Santoso
Benjamin Schenkel
Hyodeae Seo
Isla R. Simpson
Ryan Sriver
Lantao Sun
Ken Takahashi
Tomoki Tozuka
Gabriele Villarini
Hans von Storch
Haian Wang
Hui Wang
Lin Wang
Renguang Wu
Da Yang
Song Yang
Sang-Wook Yeh
Jin-ho Yoon
Qing Yue
Renhe Zhang
Xuebin Zhang
Yang Zhang
Francis Zwiers

WAF Associate Editors:
John T. Allen
Stephen Bieda
Barbara Boustead
Michael Brennan
Kristin Calhoun
Jacob Carley
Chia-Jeng Chen
Adam Clark
Michael Coniglio
Johannes Dahl
Julie Demuth
Alexandre Fierro
Jeffrey Frame
Henry Fuelberg
David Gagne
Victor Gensini
Lewis Grasso
Steven Greybush
Nathan M. Hitchens
Israel Jirak
Hyemi Kim
Daryl Kleist
John Knaff
Vinay Kumar
Matthew Kumjian
Ryan Lagerquist
John Lawson
Zhan Li
Liao-Fan Lin
Dan Lindsey
Kelly Lombardo
Luke Madaus
Kelly Mahoney
David Novak
Malaquias Pena
Corey K. Potvin
Glen Romine
Craig Schwartz
Keith Sherburn
Jeffrey Snyder
Ryan A. Sobash
Shan Sun
Brian Tang
Richard Thompson
Christopher Winkle
Raymond Wolf
Kimberly Wood
Liguang Wu
Fanglin Yang
Femin Zhang
Shixuan Zhang

Board of Journal of Hydrometeorology
Chief Editor:
Wade Crow

JHM Editors:
Konstantinos Andreadis
Francina Dominguez
L. Leung
Viviana Maggioni
Matthew Rodell
Yu Zhang

JHM Associate Editors:
Ali Akanda
Sankarasubramanian
Arunugam
Ali Behrangi
Tim Bellerby
Sylvain Biancamaria
Michael Bosilovich
Xiaodong Chen
Gabrielle De Lannoy
Stephen Déry
Michael Durand
Ardeshir Ebtehaj
Craig Ferguson
Barton Forman
Renato Frasso
Pierre Gentine
Stephen Good
Ethan Gutmann
George Huffman
Mimi Hughes
Jiming Jin
Pierre-Emmanuel Kirstetter
Mukesh Kumar
Sujay Kumar
Dongyue Li
Ben Livneh
Lifeng Luo
Kaighin Alexander McColl
Dan McEvoy
Veljko Petkovic
Youcun Qi
Mark Raleigh
Rafael Rosolem
Michael Scheuerer  
Shraddhanand Shukla  
Susan Steele-Dunne  
Jackson Tan  
Qiuohong Tang  
Natthachet Tangdamrongsub  
Guiling Wang  
Dominik Wisser  
Huan Wu  
Bin Yong  
Yalei You  
Benjamin Zaitchik

Michael Jankovic  
Jonghun Kam  
Kimberly Klockow McClain  
Maria Carmen Lemos  
Thomas Schmidlin, CCM  
Kathleen Sherman-Morris  
Detlef Sprinz  
Alan Stewart  
Benjamin Sultan  
Elke Weber

Board of Earth Interactions  
Chief Editor:  
Rezaul Mahmood

EI Editors:  
Joseph A. Santanello, Jr.  
Xiaoyang Zhang

EI Associate Editors:  
Trent Ford  
Jill Trepanier  
Tracy E. Twine

Board of Weather, Climate, and Society  
Chief Editor:  
Henry Huntington

WCAS Editors:  
Emma Archer  
Walker Ashley, CCM  
Susan Cutter  
Michael Goldstein  
Maria Roncoli  
Tanya Spero

WCAS Associate Editors:  
Bogdan Antonescu  
Emma Archer  
Harold Brooks  
Julie Demuth  
Kelsey Ellis  
Michael Goldstein  
Kristine Harper  
Jen Henderson  
Grete Hovelsrud  
Peter D. Howe

Board of the Bulletin of the American Meteorological Society  
Editor-in-Chief:  
Jeff Rosenfeld

Managing Editor:  
Keith L. Seitter, CCM

BAMS Chair:  
Jeff S. Waldstreicher

BAMS Editors:  
Michael Alexander  
Peter Blanken  
Art DeGaetano  
Andrew Dessler  
Lisa Dilling  
Qingyun Duan  
Genene Fisher  
James Fleming  
Robert Fovell  
Rebecca Haacker  
Jeff Hawkins  
Andrew King, Special supplement  
John Knox  
Thomas Knutson, Special supplement  
Christopher Landsea  
Brian Mapes  
Michael McPhaden  
John Nielsen-Gammon, Special supplement  
Friederike Otto, Special supplement  
Timothy Schmit  
William Stockwell  
Cynthia Twohy

SCIENTIFIC AND TECHNOLOGICAL ACTIVITIES COMMISSION (STAC)

Ankur Desai, Commissioner  
Kristie Franz, Future Commissioner  
Genene Fisher, Past Commissioner

Agricultural and Forest Meteorology  
Heping Liu, Chair  
Tirtha Banerjee  
Shannon Burke, Student Member  
Stephan De Wekker
Elke Eichelmann
Chad Higgins
Lauren Lowman
Kim Novick
Eduardo Santos
Paul Stoy

Air-Sea Interaction
David Richter, Chair
Heather Holbach, Vice-Chair
Sophia Brumer
Adrian Callaghan
Grant Deane
Thomas Kilpatrick
Larry O'Neill
David Ortiz-Suslow
Renee Richardson, Student Member
Jason Roberts
Lynn Russell
Hyodae Seo

Applied Climatology
Trent Ford, Chair
Robb Randall, Vice-Chair
Emily Becker
Elaine Godfrey
Ale Krautmann
Corrie Monteverde, Student Member
Dev Niyogi
Nina Oakley
Bryan Petersen, Student Member
Jared Rennie, CCM
Natalie Teale, Student Member
Natalie Umphlett

Artificial Intelligence Applications to Environmental Science
David Gagne, Chair
Amy McGovern, Vice-Chair
Sid-Ahmed Boukabara
Amanda Burke, Student Member
Carlos Gaitan
Christiane Jablonowski
Lucas Joppa

Vipin Kumar
Christina Kumler
Ryan Lagerquist, Student Member
Valliappa Lakshmanan
Surya Karthik Mukkavilli
Timothy Sliwinski
Philippe Tissot
Ben Toms, Student Member

Atmospheric and Oceanic Fluid Dynamics
K Smith, Chair
Yohai Kaspi, Vice-Chair
Kyle Armour
Malte Jansen
Molly E Menzel, Student Member
Timothy Merlis
Morgan O'Neill
Tiffany Shaw
Isla R. Simpson
Geoffrey Vallis

Atmospheric Chemistry
Jonathan Jiang, Chair
Colleen Baublitz, Student Member
Abhishek Chatterjee
Emily Fischer
Adele Igel
Olga Kalashnikova
Xiaowen Li
Zhanqing Li
Qing Liang
Ottmar Moehler
Kenneth Pickering
Nicole Riemer
Yuan Wang
Shaocai Yu
Leiming Zhang
Zhibo Zhang

Atmospheric Electricity
Scott Steiger, Chair
Elizabeth DiGangi, Vice-Chair
Sonja Behnke
Michael Peterson
Ryan Said

Vicente Salinas, Student Member
Mike Stock
John Trostel
Jennifer Wilson
Charles Woodrum

Atmospheric Radiation
Xianglei Huang, Co-Chair
Jens Redemann, Co-Chair
Anthony Bucholtz
Olga Kalashnikova
Guosheng Liu
Roger Marchand
Allison McComiskey
David Paynter
Colten Peterson, Student Member
Konrad Schmidt
Yolanda Shea
Qing Yue

Aviation, Range, and Aerospace Meteorology
Matt Fronzak, Chair
Ryan Decker, Vice-Chair
Corey Amiot, Student Member
Robert Banks
Randall Bass, CCM
Paul Bieringer
Gordon Brooks
Samantha Carlson, Student Member
Arthur Carmichael
Austin Cross
Noelle Cudzilo, Student Member
Nathan Curtis
Richard Diegan
Judy Ghirardelli
Jamey Jacob
Jason Knievel
Alex Mahalov
M. Pat Murphy
John Pace
James Pinto
Colleen Reiche
Michael Robinson
Adam Thomas
Blaine Thomas
Matthew Tucker
William Vaughan, CCM

Boundary Layers and Turbulence
Jeffrey Mirocha, Chair
William Anderson
Kiran Bhaganagar
Petra Klein
Laura Jin Mazzaro
Domingo Munoz-Esparza
Rob Stoll
Zeljko Vecenaj

Climate Variability and Change
Kerry Cook, Chair
Robert Korty, Vice-Chair
Stephen Baxter
Antonietta Capotondi
Tyler Fenske, Student Member
Chris Forest
Bin Guan
Samson Hagos
Gretchen Keppel-Aleks
Young-Oh Kwon
Zachary Labe, Student Member
Gudrun Magnusdottir
Justin Mankin
Carlos Martinez, Student Member
Kirsten Mayer, Student Member
Karen McKinnon
Bing Pu
Walter Robinson
Brian Rose
Isla R. Simpson
Wassila Thiaw

Cloud Physics
Zachary Lebo, Chair
Aaron Bansemer
Will Cantrell
Thomas Chubb
Minghui Diao
Adele Igel

Jan Kazil
Alexei Korolev
Sonia Lasher-Trapp
Isabel McCoy, Student Member
Mikhail Ovchinnikov
Kara Sulia
Junshik Um
Sarah Woods

Coastal Environment
Jesse Feyen, Chair
Alec Bogdanoff
Michael DeFlorio
Gregory Dusek
Meredith Fish, Student Member
Alicia Gorton
Chin-Hua Huang
Yun Qian
Sergey Vinogradov

Hydrology
John McHenry, Chair
Mike Hobbins, Vice-Chair
Kristie Franz, Emeritus Chair
Martha Anderson
Matthew Beitscher, Student Member
Elias Deeb
Clara Draper
Christopher Hain
Nichole Hammond
Sujay Kumar
Timothy Lahmers
Joshua Roundy
Francesca Viterbo
Guiling Wang
Melissa Wrzesien

Laser Atmospheric Studies
James Campbell, Chair
John Yorks, Vice-Chair
Sunil Baidar
Rory Barton-Grimley
Timothy Berkoff
Catharine E. Bunn, Student Member
Gilberto Fochesatto
Katherine Lukens

Shane Mayor, CCM
Amin Nehrir
Kristen Pozsonyi, Student Member
Kevin Repasky
Sharon Rodier
Robert Stillwell
John T. Sullivan
Jason L. Tackett

Measurements
Scott Landolt, Chair
Andrew Schwartz, Vice-Chair
Alexandria McCombs, Emeritus Chair
Joshua Aikins
Duncan Axisa
Kelsey Frey, Student Member
Reid Hansen
Temple Lee
Udaysankar Nair
Michelle Spencer, Student Member

Mesoscale Processes
Gretchen Mullendore, Chair
Erin Munsell, Vice-Chair
W. Bartolini, Student Member
Kristen Corbosiero
Juan Fang
Matthew Flournoy, Student Member
Adam Houston
Daniel Kirshbaum
Peter Marinescu, Student Member
Mitchell Moncrieff
Stephen Nesbitt
Erik Nielsen
Christopher Nowotarski
Kristen Rasmussen

Meteorological Aspects of Air Pollution
Saravanan Arunachalam, Chair
Erik Kabela, Vice-Chair
Taciana Toledo de Almeida
Albuquerque
Stefano Alessandrini
Kiran Bhaganagar
Christina Cecelski
John Hannan
Vlad Isakov
Yaitza Luna-Cruz

Meteorology and Oceanography of the Southern Hemisphere
Howard Diamond
Andrew Magee
James McCormick
Ajay Raghavendra, Student Member

Middle Atmosphere
Amy Butler, Chair
Rei Ueyama, Vice-Chair
Marta Abalos
Natalia Calvo
Sean Davis
Laura Holt
Andrea Lang
Simon Lee, Student Member
Nathaniel Livesey
Zane Martin, Student Member
Clara Orbe
Krzysztof Wargan
Darryn Waugh

Mountain Meteorology
Justin Minder, Chair
Ethan Gutmann, Vice-Chair
Matthew Brewer
Sebastian Hoch
Mimi Hughes
Matthew Jeglum
Neil Lareau
Lynn McMurdie
Johnathan Metz, Student Member
Alison Nugent
Kristen Rasmussen
Ivana Stiperski

Planned and Inadvertent Weather Modification
Sarah Tessendorf, Chair
Jeffrey French, Vice-Chair
Duncan Axisa
Randy Chase, Student Member
Jen-Ping Chen
Frank McDonough
Greg McFarquhar
Simone Tilmes

Polar Meteorology and Oceanography
Edward Blanchard-Wrigglesworth, Chair
Alice DuVivier, Vice-Chair
Mitch Bushuk
Patricia DeRepentigny, Student Member
Tristan L’Ecuyer
Cecilia Peralta-Ferriz
Lorenzo Polvani
Marilyn Raphael

Probability and Statistics
Elizabeth Satterfield, Chair
Andrew Geyer, Vice-Chair
Alexandra Anderson-Frey
William Campbell
Jason Giovannettonne
Harry Glahn
Daniel Hodyss
Tara Jensen
Amy McGovern
Andrew Poppick
Derek Posselt
Nicholas Slaughter, Student Member
David Unger
Betsy Weatherhead
Yu Zhang

Radar Meteorology
Scott Collis, Chair
Scott Ellis, Vice-Chair
A. Addison Alford, Student Member
Brenda Dolan
Nick Guy
Karen Kosiba
Matthew Kumjian
James Kurdzo

Satellite Meteorology, Oceanography, and Climatology
Mitchell Goldberg, Co-Chair
Kenneth Holmlund, Co-Chair
Sid-Ahmed Boukabara
Jordan Gerth
Eric Goldenstern, Student Member
Edward Hyer
Zhanqing Li
Kathryn Shontz
Jamese Sims
Sara Tucker
Jun Wang
Jingli Yang

Severe Local Storms
Curtis Alexander, Chair
Jana Houser, Chair
John Allen
Tanya Brown-Giammanco
Matthew Bunkers, CCM
Manda Chasteen
Casey Davenport
Jared Guyer
Alicia Klees
Therese Ladwig
Kelly Lombardo
Jeffrey Snyder

Space Weather
Richard Behnke, Chair
Barbara Thompson, Vice-Chair
William Bauman
Kelsey Doerksen
Alec Engell
Larisa Goncharenko
Sara Housseal, Student Member
Valbona Kunkel
Christina Lee
Scott McIntosh
Robert Robinson
Robert Rutledge
James Spann
Elsayed Talaat

**Tropical Meteorology and Tropical Cyclones**
Scott Braun, Chair
Hui Su, Vice-Chair
Hugo Bellenger
Eric Blake
Daniel Chavas
Eric A. Hendricks
Kosuke Ito
Chanh Kieu
Robert Nystrom, Student Member
Robert Rogers
Naoko Sakaeda
Carl Schreck
Ming Zhao

**Weather Analysis and Forecasting**
Rebecca Adams-Selin, Chair
Clark Evans, Vice-Chair
Stephanie Avey
Robert Banks
Martin Baxter
Matthew Beitscher
Matthew Beitscher, Student Member
Alicia Bentley
Stephen Bieda
Austin Coleman, Student Member
Aaron Hill
Joseph Koval
Ryan Lagerquist
Ryan Lagerquist, Student Member
Katie Magee
Christopher McCray, Student Member
Justin McLay
Shawn Milrad
Louisa Nance
Sara Sienkiewicz
Joseph Sleazak
Jennifer Tate
Jerry Wegiel
Andrew Winters
Chasity Wright
Nusrat Yussouf

**Board on Atmospheric Biogeosciences**
Timothy Griffis, Chair
Joseph Alfieri
Delphine Farmer
Elyn R. Humphreys
Kyaw Tha Paw U
Allison Steiner
Sonia Wharton, At Large
Xueying Yu, Student Member

**Board on Data Stewardship**
Douglas Schuster, Chair
Tiffany Vance, Vice-Chair
Laura Elizabeth Condon
Scot Loehrer
Luke Madaus
Jared Marquis, Student Member
Matthew Menne
Jonathan Petters
Nancy Ritchey
Shelley Stall
Kevin Tyle
Daniel Tyndall
Anthony Broccoli, Ex Officio

**Board on Environmental Information Processing Technologies**
Nazila Merati, Chair
Jason Burks
Marc Cotnoir
Maxwell Grover, Student Member
Scott Jacobs
JT Johnson
Paul Pisano
Tiffany Vance

**Board on Environment and Health**
Kristie Ebi, Chair
Hunter Jones, Vice-Chair
Jennifer Vanos, Vice-Chair
Karin Ardon-Dryer
Jean-Paul Chretien
Kacey Ernst
Jeremy Hess
David Hondula
Kim Knowlton
Linda Mears
Hannah Nissan
Shubhayu Saha
Sheila Steinberg
Christopher Uejio
Mary Wright, Student Member

**Board on Societal Impacts**
Kathleen Sherman-Morris, Chair
Kimberly Klockow McClain, Vice-Chair
Walker Ashley, CCM
Robert Berg
Kenneth Blumenfeld
Greg Guibert
Jen Henderson
Nathan Johnson, CBM
Makenzie Kroak
Zachary Labe, Student Member
Heather Lazrus
Michael Michaud, Student Member
Daniel Nietfeld
Randy Peppler
Elisa Raffa, CBM
Ebene Smith, Student Member
Jamie Vickery
Vanessa Vincente

**Board on the Urban Environment**
Chandana Mitra, Chair
Peter Crank, Student Member
Quang Van Doan
Brian Freitag
Matei Georgescu
Valery Masson
Ariane Middel
Negin Nazarian
EDUCATION AND HUMAN RESOURCES COMMISSION

Kevin Goebbert, Commissioner

Board on Community Service
Gregory Byrd
Walter Dabberdt
Jack Fellows
George Frederick, CCM
Gail Hartfield-Supina
Kevin Kloesel
Rajul Pandya
Patrick Parrish
Bernadette Placky, CBM
Jared Rennie, CCM
Timothy Spangler, Chair

International Academic Volunteer Committee
Walter Dabberdt, Chair
Darrel Baumgardner
Robert Bornstein
Gregory Carmichael
Shuyi Chen
Richard Clark
Jeffrey Collett
Harindra Fernando
Efi Foufoula-Georgiou
Sue Grimmond
Petra Klein
Dev Niyogi
Elizabeth Page
Mohan Ramamurthy
Yvette Richardson
Alan Robock
Timothy Spangler
Julie Winkler, Ph.D.

Social Media Committee
Ryan Argenti
Aaron Baker
Morgan Barry
Matthew Beitscher

Board on Higher Education
Thomas Guinn, Chair
Mathew Barlow
Stephen Bennett
Jeremy Berman
Logan Dawson
Richard DiMaio
Wendilynn Flynn
Tyler Green, Student Member
Zachary Handlos
Robert Loughman
Jonathan Martin
Esther Mullens
Anthony Praino
Valerie Sloan
Alan Srock
Patricia Vollmer

Student Conference Committee
John Knox, Chair
Casey Davenport

Board on Outreach and Informal Education
Kenneth Dewey, Chair
Victoria Gorman, Acting Chair
Kevin Adkins
Joseph DelliCarpini
Victoria Gorman
James Kurdzo
Haeli Leighty
Erinanne Saffell
Perry Samson
Jennifer Sprague-Hilderbrand
Jessica Whitehead

Board on Pre-College Education
Julie Malmberg, Chair
Heidi Beatty
Todd Boender
Staci DeSchryver
Sarah Geborkoff
George Hademenos
Matthew Moll
Paul Ruscher
Morgan Yarker, CCM
Jeffrey Yuhas

Committee for the Conference on Education
Reginald Blake, Co-Chairperson
Christian Braneon
Staci DeSchryver
Richard DiMaio
Zachary Handlos
Daria Kluver
Janet Liou-Mark
Danny Mattox, Co-Chairperson
Lindsay Maudlin
Shakila Merchant
Vernon Morris
Valerie Sloan

Board on Women and Minorities
Aaron Pina, Chair
Karin Ardon-Dryer
Alyssa Bates
James Benedict
Carolyn Brinkworth
Laura Edwards
Kantave Greene
Richard Hill
Gaige Kerr, Student Member
Jameise Sims
Joseph Trujillo-Falcón
Ayesha Wilkinson, Student Member

Committee of Judges for Undergraduate Awards
Dawn Kopacz, Chair
James Angel
Melissa Bukovsky
Logan Dawson
Alex DeCaria
Stephanie Weiss
Jason Wright

PLANNING COMMISSION
Yvette Richardson, Commissioner
Anthony Broccoli
Genene Fisher
Kevin Goebbert
Joshua Hacker
Douglas Hilderbrand
Susan Jasko
Kimberly Klockow McClain
Jared Lee
Maureen McCann, CBM, CCM
Michael Morgan
Kevin Petty
Jenni Evans, Past President
Mary Glackin, Ex Officio

COMMISSION ON THE WEATHER, WATER, AND CLIMATE ENTERPRISE
Douglas Hilderbrand, Commissioner
Sue Haupt, Future Commissioner
Pamela Emch, Past Commissioner

CWWCE Steering Committee
Douglas Hilderbrand, Commissioner
Sue Haupt, Future Commissioner
Pamela Emch, Past Commissioner
Janice Bunting
Julie Campbell
Tanja Fransen, Chair, BEST
Timothy Hall, CCM
Deanna Hence
Stephanie Herring, Chair, BGS
Kevin Kloesel
Jennifer Mahoney
Mohammed Ombadi, Student Member Voting
Kevin Petty
Jonathan Porter, Chair, BEC
Julie Pullen
Elizabeth Sanabia
Richard Spaulding
Jennifer Sprague-Hilderbrand, Chair, BEED
Ron Sznajder
Rebecca DePodwin, Ex Officio
Jenni Evans, Ex Officio
Michael Farrar, Ex Officio
Steve Root, CCM, Ex Officio
Louis Uccellini, Ex Officio
Genene Fisher, Non-voting Ex Officio
Mary Glackin, Non-voting Ex Officio
Kevin Goebbert, Non-voting Ex Officio
Maureen McCann, CBM, CCM, Non-voting Ex Officio
Yvette Richardson, Non-voting Ex Officio

CWWCE Executive Committee
Douglas Hilderbrand, Commissioner
Sue Haupt, Future Commissioner
Pamela Emch, Past Commissioner
Tanja Fransen, Chair, BEST
Stephanie Herring, Chair, BGS
Jonathan Porter, Chair, BEC
Jennifer Sprague-Hilderbrand, Chair, BEED

Board on Enterprise Decision Support
Stephanie Herring, Chair
Mariam Abazeri, Student Member
Matthew Alto
Tegan Blaine
James Buizer
Pat Cummens
Christopher Funk
John Furlow
Marjorie McGuirk
Meredith Muth
Kevin Werner
John Zack
Stephen Zebiak
Rebecca Bolinger, Ex Officio
Rob Cifelli, Ex Officio, Chair, Water Resources Cm.
Jeffrey Freedman, CCM, Ex Officio, Co-Chair Renewable Energy Cm.
John Lanicci, Ex Officio, Chair, Environ. Security Cm.
John Lanicci, Ex Officio, Chair, CES
Eric Wertz, Ex Officio, Chair, Energy Committee
Committee on Environmental Security
John Lanicci, Chair
Joseph Brenner
Rachael Ishphording
Emily Niebuhr
Roger Pulwarty
Courtney St. John
Robert Webb

Committee on Climate Services
Rebecca Bolinger, Chair
Zahra Alani, Student Member
Rodrigo Bombardi
Jan Dutton
Melissa Griffin
Daniel Leathers
Phillip Pasteris
Ajay Raghavendra, Student Member
Alexandra St. Pé
Terence Thompson
Marina Timofeyeva-Livezey

Water Resources Committee
Rob Cifelli, Chair
David Curtis
Eli Dennis, Student Member
Michael Dettinger, Ex Officio
Alexis Dufour
Paul Fleming
Jason Giovannettone
Michael McMahon
Kathleen Miller
Francisco Munoz-Arriola
Rolf Olsen
Tashiana Osborne, Student Member
Tye Parzybok, CCM
Julie Vano
Anna Wilson

Committee on Emergency Management
Tom Bedard, Chairperson
Bonnie Brown
Rebecca DePodwin, Ex Officio
Tanja Fransen, Ex Officio

Committee on Environmental Security
Dan Goff
Robert Goldhammer
Melissa Huffman
Hannah Kinnett, Student Member
Amber Liggett, Student Member
Stephen Maloney
Frank Marsik
Lucas McDonald
Matthew Moreland
Rebecca Moulton
Felix Nance
Mallory Nicholls, CBM
Lindsey Nixon, Student Member
Andrew Pirring
Adam Roser
Chayne Sparagowski
Emily Sullivan
Vanessa Urango
Kevin Wagner

Board on Enterprise Economic Development
Jennifer Sprague-Hilderbrand, Chair
John Cahill, Student Member
Heidi Centola
Lawrence Gloeckler
Andrea Lang
Christopher Lauer
Jeffrey Lazo
Renee Leduc
Yaitza Luna-Cruz
Scott Mackaro
Shawn Miller
Amanda Mitchell
Clairisse Reiber, Student Member
John Ten Hoeve
Stephen Bennett, Ex Officio, Chair, FWCRM
Steve Early, CCM, Ex Officio, Chair, ITS/Surface
Jeffrey Freedman, CCM, Ex Officio, Co-Chair
Renewable Energy Cm.
Jordan Gerth, Ex Officio, Chair, Radio Freq. Alloc.

Eric Wertz, Ex Officio, Chair, Energy Committee
John Zack, Ex Officio, Co-Chair Renewable Energy Cm.

Committee on Intelligent Transportation Systems and Surface Transportation
Steve Early, CCM, Chair
Brenda Boyce, Past Chair
Chris Albrecht
Andy Alden
Kevin Barjenbruch
Robert Boggs
John Bosse
Ed Bradley
Leah Dailey
Jeffrey Garmon
John Horel
Jakin Koll
John Markham
Amanda Siems-Anderson
Curtis Walker
Brittany Welch, Student Member
Kathy Ahlenius, Ex Officio
David Chorney, Ex Officio
Christopher Johnson, Ex Officio
Paul Pisano, Ex Officio

Committee on Financial Weather and Climate Risk Management
Stephen Bennett, Chair
Heather Archambault
Robert Brammer
Brett Edwards
Joshua Gugel
Scott Matuszewski, Student Member
Sheila Ngu, Student Member
John Nicola
Ian Palao
Laura Sime
Adam Smith
Maximilian Vido
Energy Committee
Eric Wertz, Chair
Nick Bassill
Shunondo Basu
Jeremy Berman, Student Member
Evan Caron
Joel Cline
Rob D’Arienzo
Jeffrey Freedman, CCM
Carrie Gillespie
Zachary Johnson, Student Member
Jennifer Kafka
Ted Letcher
Tyler McCandless
Mark Taylor
Ted Zarras

Renewable Energy Committee
Jeffrey Freedman, CCM, Co-Chair
John Zack, Co-Chair
Rebecca Barthelmie
Caroline Draxl
Bri-Mathias Hodge
William Holmgren
Kyle Jordan-DeDeaux, Student Member
Jan Kleissl
Katherine McCaffrey
Angel McCoy
Alexandra St. Pé
Jessica M. Tomaszewski, Student Member
Aidan Tuohy
Liming Zhou

Committee on Effective Communication of Weather and Climate Information
Gina Eosco, Co-Chairperson
Gary Szatkowski, Co-Chairperson
Rachel Carr
Thomas DiLiberto
Thomas Duncan
Katherine Edwards
Rachel Licker
Austin MacDonald, Student Member
Katy Matthews
Lucas McDonald
Danielle Nagele
Kathryn Prociv, CCM
Sarah Purpura, Student Member
Adam Rainear
Castle Williams, Student Member

Forecast Improvement Group (FIG) Executive Committee
DaNa Carls, Chair
Michael Ek
Michael Farrar
Kelly Mahoney

Committee on Radio Frequency Allocations
Jordan Gerth, Chair
Beau Backus
Brett Betsill
Daniel DePodwin
Elliot Eichen
William Emery
Thomas Fagan
Justin Lazear
Renee Leduc
David Lubar
Jonathan Porter
Nicolas Powell

Committee on Open Environmental Information Services
Donald Berchoff, Chair
Scott Mackaro
Michelle Mainelli
Matthew Mayernik
David Michaud
Sam Nixon
Mohan Ramamurthy
Douglas Schuster

Board on Enterprise Strategic Topics
Tanja Fransen, Chair
Rebecca DePodwin, Vice-Chair
Robert Brammer
James LaDue
Andrea Lang
Owen Shieh
Maximilian Vido
Tom Bedard, Ex Officio
Marie Colton, Ex Officio
Sheldon Drobot, Ex Officio
Pamela Emch, Ex Officio
Jonathan Gourley, Ex Officio
Douglas Hilderbrand, Ex Officio
Branko Kosovic, Ex Officio

Committee on the Nationwide Network of Networks
Jonathan Gourley, Chair
William Blumberg
Keith Brewster
Frederick Carr
Kevin Hyde
Sytske Kimball
Chris Lowrie, Student Member
Curtis Marshall
Brenda J. Philips
Christian Rhodes, Student Member
Judson Stailey
Kari Strenfel
Mark Vincent
Timothy Wagner
Tammy Weckwerth
Garrett Wheeler
Jerald Brotzge, Ex Officio
Rebecca DePodwin, Ex Officio
Tanja Fransen, Ex Officio

Committee on Ecological Forecasting
Marie Colton, Chair
Laurie Allen
Gordon Bonan
Patricia Carroll
Bradley Colman
Michael Dietze
Andrew M Fox
Richard Fulford
Lonnie Gonsalves
Brian Gross
Danika Mosher, Student Member
Steven Running
Brian Smoliak
Paul Stoy
Quinn Thomas
Woody Turner
Jake Weltzin
Rebecca DePodwin, Ex Officio
Tanja Fransen, Ex Officio
Juli Trtanj, Ex Officio

Ad Hoc Committee on Engineering Resilient Communities
James LaDue, Chair
Rob Galbraith
Krissy Hurley
Marc Levitan
Michael Nelson, CBM
David Prevatt
William Read
Valerie Sanders
Jennifer Spinney
Christine Standohar-Alfano
Rebecca DePodwin, Ex Officio
Tanja Fransen, Ex Officio

Ad Hoc Committee on Wildfire Weather, Technology and Risk
Branko Kosovic, Chair
Phillip Bartlett
Timothy Brown
Craig B. Clements
Brian D’Agostino
D. Randy Denzer
Robyn Heffernan
Nicholas McCarthy
Maria Sharpe
Craig Smith
Brian Viner, Liaison to STAC Ag. and Forecast Met.
Rebecca DePodwin, Ex Officio
Pamela Emch, Ex Officio
Tanja Fransen, Ex Officio
Douglas Hilderbrand, Ex Officio
William Mahoney, Ex Officio

Ad Hoc Mind the Gap Committee
Andrea Lang, Chair
Maximilian Vido, Co-Chair
Stephen Bennett
Heidi Centola
Victor Gensini
Zachary Handlos
Dominic Hernandez, Student Member
Karimar Ledesma Maldonado, Student Member
David Margolin
John Nicola
Anthony Praino
Valerie Sloan
Rebecca DePodwin, Ex Officio
The AMS Constitution and Bylaws is a multipage PDF document that is easily accessed on the AMS website. Please click on ametsoc.org/constitution to view the entire document. In accordance with the requirements in the AMS Constitution, Article XII is reproduced here.

**ARTICLE XII. Guidelines for Professional Conduct**

To enhance the benefits of the meteorological and related professions to humanity, to uphold the dignity and honor of the profession, and to provide guidance for individual members, institutional members, or for members in association with other professionals, the American Meteorological Society has adopted the following Guidelines for Professional Conduct. Only individuals and organizations who intend to abide by these Guidelines should seek admission or continuing membership in the Society; therefore, these Guidelines will appear on the membership application form and will be published at least annually in the official organ of the Society.

1. **Relationship of members to the profession as a whole.**
   
   A. Members should conduct themselves in an ethical manner and reflect dignity and honor on their profession.
   
   B. Members who are professionally active should endeavor to keep abreast of relevant scientific and technical developments; they should continuously strive to improve their professional abilities.
   
   C. Members engaged in the development of new knowledge should make known to the scientific world their significant results through the media of technical or scientific publications or meetings.

2. **Relationship of members to colleagues.**

   Members should not take credit knowingly for work done by others; in publications or meetings, members should attempt to give credit where due.

3. **Relationship of members to clients and the general public.**

   A. Members should base their practice on sound scientific principles applied in a scientific manner.
   
   B. Members should not direct their professional activities into practices generally recognized as being detrimental to, or incompatible with, the general public welfare.
   
   C. Members undertaking work for a client should fully advise him or her as to the likelihood of success.
   
   D. Members should refrain from making exaggerated or unwarranted claims and statements.
   
   E. Members should refer requests for service that are beyond their professional capabilities or their scope of service to those properly qualified.
   
   F. Members shall not use or display the official seal of the American Meteorological Society, the Radio Seal of Approval, the Television Seal of Approval, or the designation Certified Consulting Meteorologist or Certified Broadcast Meteorologist unless duly authorized by the Society.