

AIR-SEA INTERACTION COMMITTEE MEETING

Westin Hotel, Annapolis, MD

28 September 2010

COMMITTEE MEMBERS IN ATTENDANCE: Ed Andreas (Chair), Maggie Anguelova, Tetsu Hara, Jeff Hare, Yuko Okumura, Justin Small, Huai-Min Zhang, Judith Ziemnik (from AMS)

NOMINEES IN ATTENDANCE (terms begin January 2011): Gary Geernaert, Emily Harrison

MAKE-UP OF THE 2011 COMMITTEE

Ed Andreas and Ernesto Muñoz will rotate off the committee in January 2011. I have nominated Gary Geernaert and Emily Harrison to replace us. These nominations are still waiting for approval from the AMS Council. Gary will be appointed to a three-year term; but because Emily is a student, STAC Commissioner Mary Cairns wanted hers to be a two-year appointment. The Committee has the option of extending Emily's term for 1–3 years if she is still interested in serving after her first two-year term.

Yuko Okumura's first three-year term is also scheduled to end in January 2011; but because she has already made significant contributions to planning our last two meetings and would be the only person on the 2011 Committee with that much meeting experience, I have extended her term for another two years—until January 2013. She will be a custodian of the corporate memory as the Committee plans the 18th Conference on Air-Sea Interaction.

Jeff Hare will become the chair of the Committee in January 2011 for a two-year term.

DISCUSSION OF THE CURRENT CONFERENCE

We held this Committee meeting during our 17th Conference on Air-Sea Interaction; hence, we had a discussion about how the Conference was going so far. Jeff Hare was the chair of the program committee for this Conference; Yuko Okumura was the vice-chair. Maggie Anguelova and Ed Andreas coordinated the student program.

The general sense was that attendance at the Conference was a bit light. This Conference had the fewest number of abstracts submitted among the last three Air-Sea Conferences. We thus did not quite reach a "critical mass"; our meeting room was rarely as much as half full. The Conference attracted only two European contributors, two Australian contributors, several Japanese contributors, and two Canadian contributors. Past Conferences had attracted more Europeans.

We speculated that five factors could have contributed to the weak attendance: American universities had started classes; European universities may have started classes, too; the AGU/ASLO Ocean Sciences meeting, which has air-sea sessions, occurred in February 2010; there was a gas conference in Kyoto in the spring; and the conference occurred right at the end of the U.S. federal fiscal year, when discretionary funds are usually limited or spent.

We had 10 student contributors to this Conference (only eight made presentations, however). We gave each registered student presenter a complimentary copy of the AMS *Glossary of Meteorology*; one student who had presented at previous Conferences (and thus already had a copy of the *Glossary*) received *The Callendar Effect*.

We pay for these books out of the \$1500 that the AMS gives each committee for each conference. Because we had so few students, we had money left over to try something new. Therefore, on Tuesday evening, we held a reception and networking event for all the students, their advisors, and the members of the Air-Sea Committee.

Again, because there were only 10 students and our Conference had no parallel sessions, judging the student posters and talks was easier than during past Conferences. Jeff Hare, Yuko Okumura, Maggie Anguelova, and Ed Andreas committed to hearing all the talks and viewing all the posters. Hence, the scores were standardized for each judge, and it was relatively easy to decide winners.

A \$150 award for best poster went to Hiroki Okamoto for his presentation “A Stationary Snowband Caused by Land-Sea Thermal Contrast in the Prevailing Along-Coast Wind During the Cold-Air Outbreak.”

A \$150 award for best oral presentation went to Nobuhiro Suzuki for “Turbulent Airflow at Young Sea States with Frequent Wave Breaking Events: Large Eddy Simulation.”

There was a tie for second best oral presentation; both winners will get a \$100 award: Emily J. Harrison for her presentation “Measuring Rain-Induced Momentum Exchange at the Ocean Surface under Low Wind Speed Conditions,” and Thomas J. Kilpatrick for “Generation of Low-Frequency Spiciness Variability in the Thermocline.”

DISCUSSION OF THE 18TH CONFERENCE ON AIR-SEA INTERACTION

Our next meeting will be the 18th Conference on Air-Sea Interaction. Justin Small had already volunteered to be the program chair for that conference; Huai-Min Zhang has volunteered to be the vice-chair. Maggie Anguelova will coordinate the student program.

Since May 2001, our Conferences have alternated between being held with the AMS Annual Meeting in January or February and being held in a smaller setting, mid-year. That is, the 2001 Air-Sea Conference was in May in San Diego; the 2003 Conference was in February with the Annual Meeting in Long Beach; the 2004 Conference was in August in Portland, ME; the 2006 Conference was in late January and early February with the Annual Meeting in Atlanta; the 2007 Conference was in August in Portland, OR; the 2009 Conference was in January with the Annual Meeting in Phoenix; and this 2010 Conference was in September in Annapolis.

If we were to follow this schedule, we would meet 8–12 January 2012 with the Annual Meeting in New Orleans. AMS President-elect Jon Malay will serve from January 2011 through the 2012 Annual Meeting and is responsible for setting the theme of the 2012 meeting. His theme is “Technology—Catching Photons and Wavefronts to Deliver Decision Support.” The Air-Sea Conference could probably create a session or two to support this theme.

But the sense of our Committee is that members prefer the smaller mid-year meetings. We were also concerned that the Ocean Sciences Meeting is in February in even years and would be in even closer competition with us if we met in January 2012. Though I could not find on the web any definite schedule yet for the 2012 Ocean Sciences Meeting, we are leaning toward meeting in early summer (maybe late June) with the Symposium on Boundary Layers and Turbulence, which is considering that time frame.

After our Committee meeting, Jeff Hare contacted the Committee on Boundary Layers and Turbulence (Wayne Angevine and Sharon Zhong) and broached the idea of our meeting jointly. They were enthusiastic and mentioned their desire to meet in late June 2012, in the northern tier of the U.S., and near a major airport.

We also discussed the idea of inviting the SEAFLEX group to hold its periodic meeting in conjunction with our next Conference. After our meeting, Justin Small invited Carol Ann Clayson to consider holding a SEAFLEX meeting at our 18th Conference.

Finally, we mentioned the possibility of having special sessions at the 18th Conference on CINDY/DYNAMO, the international experiment to study the Madden-Julian Oscillation in the Indian Ocean that will take place from late 2011 to early 2012. Justin will contact Chindong Zhang, the leader of the U.S. contribution to this project, with an invitation for his group to participate in our 18th Conference.

OTHER ISSUES

One other issue that came up was the Air-Sea Committee's website. Right now, the AMS webmaster, Brian Mardirosian (bmardirosian@ametsoc.org), maintains this site. He alters it only when we provide him instructions and content. And because (I think) he maintains all the AMS web pages, he is not always fast in implementing changes. I believe he would be willing to turn over control of this website to someone on our Committee if we had a volunteer willing to manage it.

We did not discuss in detail what additions we might want on the website, but one thought was to announce our meetings farther in advance so attendees could plan ahead and we could one-up the Ocean Sciences Meeting.

Edgar L Andreas
Lame-Duck Chair, Committee on Air-Sea Interaction
11 October 2010