

**Minutes of the Aerospace Nuclear Science and Technology (ANST)
Technical Group (TG) Meeting
AMERICAN NUCLEAR SOCIETY
Omni Shoreham Hotel, Washington, DC
Sunday, November 11, 2007, 12:00 PM to 2:00 PM**

Members Present

Jon Carmack, INL, Chair
Dion Sunderland, Anatech, Treasurer
Marty Sattison, INL, ExComm.
Mike Zerkle, BAPL, ExComm.
Heather MacLean, INL, ExComm.
Kathy McCarthy, INL, BoD Rep.
Steven Wright, SNL
Robert Singleterry, NASA
Blair Bromley, AECL
Ken Krozier, AECL
Marie Cronholm, Texas A&M (Grad Student)
Kevin Robb, Univ of Wisconsin (Grad Student)

Minutes

1. Call to Order

The meeting was called to order at 12:06 p.m. by Chair Jon Carmack after determining that only five of the eleven voting members of the Executive Committee were present. The Chair asked Marty Sattison to take the minutes. The Chair handed out copies of the proposed meeting agenda and provided an overview. There was a motion and second to approve the meeting agenda. The agenda was voted upon and approved.

2. 2008 ANS Student Conference

Marie Cronholm, Texas A&M, Co-Chair of the 2008 ANS National Student Conference, provided an update on the status of the ANS Student Conference to be held at Texas A&M February 28 through March 1, 2008. The Technical Program is coming together. Keynote Speakers include Joe Sheppard, Dr. Patrick Moore, NRC Chairman Dr. Dale Klein, and Deputy Energy Secretary Clay Sell. The organizers are anticipating about 500 students participating in the conference with about 100 papers being presented. They would like to have a Space Nuclear track as part of the Technical Program if enough student interest and papers can be generated. ANST will sponsor a special session on Space Nuclear regardless of whether there is an entire track or not. ANST has been invited to sponsor a booth as well. Jon Carmack volunteered to review papers for the session and the track. ANST committed to providing financial support for an award for Best Presentation and for student travel to both the ANS Student Conference and the ANS National Meetings. Jon Carmack committed to getting back to Marie with the amounts for the award and student travel support, noting that the ANST budget for 2008 is slated for later in the agenda.

3. Bylaws and Rules Development

The bylaws are completed. The ANST Rules are ready for Executive Committee vote. As it takes 2/3 vote to approve the rules, this vote will take place via the ANST EC listserv in the near future.

4. Topical Meetings

- a. SNC 07 went very well. ANST will most likely receive \$30 re-imbursement from National per paper. ANST will probably receive only half credit for papers because no ANST sponsored papers were delivered at the November 2007 ANS National Meeting.
- b. The topic of having a Space Nuclear Track at ICAPP was touched on briefly. Pablo Rubiolo was not present to provide further information and discussion.
- c. Space Technology and Applications International Forum (STAIF) Conference. Jon Carmack provided a summary of his meeting with Mohamed S. El-Genk from the University of New Mexico. The future relationship between the SNC meeting and the STAIF meeting was discussed relative to the possibility of combining the two space nuclear meetings in the 2009 or following timeframe. The EC decided to communicate with the UNM STAIF meeting leadership in the Dec 2007 timeframe to discuss possible arrangements. The current arrangement is that STAIF is an ANS Class 4 co-sponsored stand-alone conference. ANST would need to determine the ANS classification of the meeting should ANST take it over as either a stand-alone conference or an imbedded topical meeting. Jon Carmack asked for volunteers to come up with a proposal outlining the level and degree of ANS involvement, an organizational structure, conference management, etc. There ensued some discussion on the options of stand-alone versus imbedded. It was agreed that a stand-alone conference would be better for the future of STAIF and for the interests of ANST, even though there would be a greater financial risk involved. Among the advantages were (1) a stand-alone conference would attract a wider variety of attendees (more from aerospace industry), (2) the conference fee is typically lower for a stand-alone conference (no control over fee for an imbedded topical), and (3) the roles and interactions with current meeting collaborators could remain as-is (making for a smoother transition). Jon Carmack has spoken with Todd Allen, Chair of the National Program Committee, and he agreed that the ANS should be involved in and play a role in keeping STAIF going in the future. It was a general consensus among those in attendance that it is the natural progression of things for ANST to take over STAIF. In conclusion of this topic, it was agreed that (1) STAIF should remain a broad forum, (2) STAIF should remain a stand-alone conference, and (3) the ANS should become the primary sponsor, with ANST taking the lead for the ANS. Jon Carmack committed to arranging a conference call among the Executive Committee to discuss the details for moving forward.

5. ANST Executive Committee

The current voting members of the Executive Committee are: Jon Carmack (Chair), Pablo Rubiolo (Past Chair), Tom Larson (Vice-Chair), Leo Bobek (Secretary), Dion Sunderland (Treasurer), Mike Zerkle (At-Large, 2008), Melissa VanDyke (At-Large, 2009), Heather

MacLean (At-Large, 2009), Paul Edelmann (At-Large, 2010) Boise Pearson (Technical Program Committee Chair and At-Large, 2010), and Marty Sattison (At-Large, 2010). Next year Jon Carmack relinquishes the Chair to Tom Larson. The voting slate for next year has Leo Bobek running unopposed for Vice-Chair, and Marty Sattison running unopposed for Secretary. Pablo Rubiolo will go off the Executive Committee. Jon Carmack presented three names for consideration to become At-Large members of the Executive Committee: Jim Werner, INL; Steve Wright, SNL; and Jeff Halfinger, BWXT.

6. Technical Program Report

Boise Pearson was not present to make a formal report. Jon Carmack reported in his place. ANST has no sessions in the ANS 2007 Winter Meeting. We have plans for two or three sessions for the ANS Annual Meeting in Anaheim in June, 2008. Progress is being made on topics for the sessions, but help is needed in this area. The session topics are due to the ANS Technical Program Committee in February.

7. Membership, Honors and Awards Report

The National Awards Committee has reported some conflicts in the past on Division Awards being duplicative and in conflict with the National level awards.

8. Communications and Public Information Report

Dion Sunderland reported that the ANST web site (<http://anst.ans.org>) has been up and running well for the past year and a half. He is working with Eric Alderson on putting together a Wikipedia article on Space Nuclear. Steve Wright suggested talking to Ron Lipinski at Sandia National Lab to help as well. The second edition of the ANST Newsletter was published in May 2007. Work is in progress on the next edition and feature articles from ANST members would be greatly appreciated. Jon Carmack suggested that Jim Werner at the Idaho National Lab be contacted about a possible article on the work he is leading for Idaho National Laboratory.

9. ANS HQ/Professional Division Updates

Jon Carmack attended the President's Meeting with Division Chairs just prior to this meeting. There is a need for better utility engagement in ANS and a major push from the ANS President is being coordinated. The Professional Divisions Committee has formed a Task Force on Per Member Compensation to examine the use and need of per member allocations. Currently, each Division/Technical Group annually receives \$1 per member to use for expenses related to the operation and management of the Division/Technical Group. An increase of \$1 in the per member allocation has been proposed and the Task Force sent out a survey on the topic. The survey was completed collectively by those present and Jon Carmack will send the ANST response to the Task Force.

Pablo Rubiolo's report to the Board of Directors during the Boston meeting went very well. The major topics concerning ANST were the Technical Group's involvement in STAIF and the future of that meeting and the progress towards ANST moving from a Technical Group to a

Division. There were positive discussions and activities on both topics. There is significant work to be done to become a Division, including improvement in the area of professional training. Jon Carmack will solicit ideas via email for professional training seminars/tutorials that would be of benefit to the general ANS membership.

10. Board of Directors Report

Kathy McCarthy reported that there is a light agenda for the Board of Directors Meeting on Thursday, November 15.

11. Secretary's Report

Leo Bobek was not present to make a report. Jon Carmack reported that the minutes from the summer meeting in Boston were approved via the ANST EC list server and were then submitted to National. These minutes need to be approved and submitted in January.

12. Treasurer's Report

Dion Sunderland passed out copies of the financial report:

ANST Financial Report
9/30/07

	Budget for 2007	Actual through September 2007	Comments
<u>2007 Budget</u>			
Carry forward from 2006	2,546	2,266	
2007 member allocation	0	534	
ANST Income 2007	0	0	
Total Budget Funds	2,546	2,800	
<u>2007 Expenses</u>			
Newsletters	0	0	
Awards, Plaques	300	200	Best Paper Award: \$150; 2 nd Place Paper: \$50
National Meeting Costs	0	0	
Division Officer Expense	0	0	
Student Support	600	300	2007 Student Conference
Scholarship/Need Fund	0	0	
Other Expenses	0	0	
Total Expenses	900	500	
Balance	1,646	2,300	

Since the end of September an additional \$300 has been spent in support of student travel to the ANS Winter meeting. A possible \$200 contribution to the Landis Challenge II was discussed.

Discussion was held on the 2008 budget. It was proposed that the budget for 2008 consist of \$200 in student conference space track awards (\$150 for best paper, \$50 for second place paper), and \$900 in Student Travel Support (\$300 for the Student Conference and \$300 each for the two National ANS meetings). The proposed budget was voted on and approved.

13. Public Policy Updates

Robert Singleterry will contact Leo Bobek to review the current Policy Statement #40, Space Nuclear Technology, for timeliness, completeness, etc.

14. Meeting Adjourned

The meeting adjourned at 2:00 p.m.