

**AGENDA OF THE Aerospace Nuclear Science and Technology Division (ANSTD) MEETING**  
**AMERICAN NUCLEAR SOCIETY**  
**Royale 8, Riviera Hotel and Casino, Las Vegas, NV**  
**Sunday, November 7, 2010 12:00 PM to 2:00 PM**

**1. Call to Order (S. Bragg-Sitton)**

- a. Welcome and Introduction
- b. Introduction of Attendees
- c. Establish quorum
- d. Review and approval of agenda

**2. ANS Student Conference: Georgia Institute of Technology**

Tim Cahill, 2011 ANS Student Conference Chair, <http://gtans.org>  
The meeting will be April 14-17. The conference is seeking sponsorship, judges, workshops, training sessions. Amount to be provided to conference was deferred to the budget discussion.

**3. Presentation on Weinberg Memorial (Tom Row, ANS Fellow; see attachments)**

Funding assistance for this film history was discussed. ANSTD will not be able to provide support at this time. Shannon to provide official response to Tom Row.

**4. ANSTD Rules (P. Edelmann; see attachment)**

Rules were voted on and approved. Ready for re-submission to BRC.

**5. Technical Program (M. Sattison)**

- a. Marty has agreed to fill the Technical Program Chair position; 4 mtgs/yr required (technically)
- b. Alternate TPC: Rob O'Brien
- c. No sessions held in Nov 2010 meeting; one (two?) papers received and sent to an alternate division for inclusion in a session
- d. One poster in ANSTD category – see p. 7, Mon 4 – 6 pm
- e. Sessions for June 2011?? – note planned
- f. June 2012 – meeting is full

\*\*Space Radiation Tutorial (Robert Singletery), held in June 2010.

**6. Topical Meetings: NETS-2011 (S. Bragg-Sitton) – brief overview; more discussion at end of ANSTD meeting**

- a. Pre-registration deadline: November 15 (very few registrants as of last week)
- b. 102 papers, ~40 sessions?
- c. Updates to website for plenary sessions needed

- i. Opening Plenary (S. Bragg-Sitton)
- ii. Science Missions Using Nuclear Technologies (S. Howe)
- iii. Political Aspects: Open Forum for Addressing Non-Technical Challenges in Nuclear and Emerging Technologies for Space (Space Policy Panel) (M. Schoenfeld)
  - d. Paper reviewers and session chairs currently being set by Track Chairs
  - e. Exhibitors: SNL, INL, Lockheed Martin, Hamilton Sundstrand Rocketdyne, NASA, CSNR, Univ. of Leicester; also expect NASA MSFC? Other?? Room for 18 booth location; 10 currently booked
- f. Future topical meetings
- i. ANS NPC has NETS recurring biannually (but we still need to obtain calendar placement, preliminary and final approvals each time: need to put in for calendar placement for Feb 2013 at the June 2011 meeting)
- ii. Options:
  - Switch to annual recurrence starting in Feb 2013
  - Hold embedded meeting in June of even years (need to put in for this at least 12 mo in advance, with 18 mo preferred)
  - Hold only sessions at ANS meetings in even-numbered years
  - Hold a stand-alone in even years with AIAA as primary sponsor
  - Hold a small discussion forum in the even-numbered years (like SNSF) – benefit is that it does not over-tax a small community but keeps the collaborative discussions alive on an annual basis
- iii. Discussion:
  - ANS to be primary sponsor of NETS in even years, as originally planned
  - Will seek to have AIAA (or other group) as primary sponsor in odd years

**General Technical Program Discussion:**

- Focus on holding tutorials at national meetings (Suggestion: Nov 2011, Tutorial on Power and Propulsion)
- Seek to co-sponsor sessions
  - o Possibilities exist with IRD, MSTD
  - o Establish liaisons with each division to help this effort
  - o Reactor Physics Division – proposal for a joint session on compact reactors for the 2011 Winter Meeting, suggested by Blair Bromley (AECL); Shannon to follow-up with Blair; Blair to submit 100-word summary

**7. ANS HQ / Professional Division Updates (S. Bragg-Sitton)**

- a. President's Meeting with Division Chairs: None held; Reception only on Saturday evening
- b. Report from PD Workshop (PDC Chair Mikey Brady-Raap) – overview of new format for PD workshops
- c. Metrics (no updates since June 2010)

**8. Membership, Honors and Awards Report**

- a. ANSTD Membership (no updates since June 2010) – 501 members
- b. ANSTD Scholarship and Award Planning (see attachment from R. Slaybaugh)

My proposal for ANSTD Awards:

- Formalize a Past Chair Award (division administered)
- Formalize Best Student Paper Award at student conferences (division administered)
- Establish a Best Paper Award for topical meetings (division administered)
- Establish an award in one of the other suggested award bins (Service / Leadership; Excellence / Achievement; or Student / Young Person Recognition)  
Possible ideas might include:
  - Key Contributions to the Modern Application of Nuclear Power to Space Travel (SL or EA)
  - Exceptional Dedication to the Advancement of Nuclear Technology to Space Power and Propulsion (SL or EA)

Discussion: ANSTD / NETS could establish something like the Schreiber-Spence award. No decisions made at this time.

### **9. Nominating Committee Report**

a. 2011 Election Slate (due to HQ Nov 2010)

Would like to have someone familiar with ANSTD, possibly from current EC members, for officer positions.

Treasurer: Ross Radel?

Secretary: John Bess?

EC Member (2)

Possible candidates: Goal to Increase NASA Participation!!

Omar Mireles (NASA MSFC)

Mike Houts (NASA MSFC)

Lee Mason (NASA GRC)

Allison Barber (SNL)

Marty to confirm acceptance of nominations and get them submitted to HQ. Final list to be sent to ANSTD EC via email.

### **10. Communications and Public Information Report**

a. Website status (E. Alderson) – need to update main ANSTD page; NETS has taken precedence for now

b. Newsletter (D. Sunderland)

Target getting a newsletter out in December. Article ideas:

Mars Science Lab (Ron Lipinski?)

New Hoizons status (Steve? – not sure which one...)

Chair report (Shannon)

NETS update (Shannon)

Meet the Officers – with brief bio for each

Bullet list of space nuclear things going on around the world

Should look at sending newsletter to the AIAA committee on nuclear stuff

**11. Treasurer's Report (D. Sunderland)**

- a. 2010 Planned / Actual
- b. 2011 Budget
  - Student travel to NETS (\$1000??)
  - Support for student liaison to travel to one meeting per year (\$500?)
  - Student travel to national meetings (\$1000)
  - BP award at student meetings (\$200)
  - BP award at NETS (\$200?? Plaque only?)
  - Award plaques
  - Hospitality suite at national meetings – which one? Associated with an embedded topical?

Discussion / Approval of budget:

- Support to student liaison to attend national conferences (\$500)
- Student travel support:
  - o National meetings (\$1000)
  - o Student conference (\$400)
- Best paper awards at student conference
- Award plaques:
  - o Past Chair (\$55)
  - o Merit Award (see discussion/suggestions above) (\$55)

Budget voted on and APPROVED.

**12. Secretary's Report (P. Edelmann) – time did not permit this discussion**

- a. Summary of electronic votes
- b. Other

**13. Division Strategic Plan & Succession Planning – time did not permit this discussion**

- a. Last updated in 2008 (per metrics document)

**14. YMG Liaison Report (H. MacLean) – time did not permit this discussion**

**15. Student Interactions with Professional Divisions – time did not permit this discussion**

- a. Status of SSC proposal to divisions
- b. ANSTD adoption of SSC recommendations

**16. BoD Liaison Report (J. Vujic) – liaison not in attendance at meeting**

**17. Other Business**

- a. ANS Nuclear Café Blog (see attached; information only)