

MINUTES OF THE RADIATION PROTECTION AND SHEILDING DIVISION
AMERICAN NULEAR SOCCIETY
Town and Country Resort, San Diego, CA
June 13, 2010

Attendance

Officers

Chair: Robert Hayes, WIPP, Robert.hayes@wipp.us

Vice Chair: Charlotta Sanders, Sanders Eng./UNLV sander59@unlv.nevada.edu

Executive Committee

Dick Amato, Bettis Inc., padamato@comcast.net

David Court, OSD, David.Court@osd.mil

Shaheen Dewji, Georgia Tech, shaheen.dewji@gatech.edu

RPSD Members

Janice Arwood, ORNL, arwoodjw@ornl.gov

Eric Burgett, eric.burgett@gmail.com

Michael Fensin, LANL, mfensin@lanl.gov

Nolan Hertel, Georgia Tech, nolan.hertel@me.gatech.edu

Bernadette Kirk, ORNL, kirkbl@ornl.gov

Ray Klann, ANL, klann@anl.gov

Wayne Newhauser, UTMDACC, wneuhaus@mdanderson.org

Ken VanRiper, kvr@rtgg.com

1. Call to Order

- Rob Hayes, Chair of RPSD, called the meeting to order at 1:35pm.

2. Proxies

- Shaheen Dewji informed she was the proxy for Arzu Alpan and Scott Mosher. Charlotta Sanders was proxy for Everett Redmond. Michael Fensin was proxy for John Hendricks and Pedro Vaz. Nolan Hertel was proxy for Michelle Ferenci.

3. Upcoming Student ANS Conference – Students from Georgia Tech

- Tim Cahill and Amy Varallo from Georgia Tech advertised the 2011 Student ANS Meeting April 14-17, 2011. Support, tutorials, and judges for posters/presentations were requested.

4. Meeting Minutes

- Shaheen Dewji distributed the minutes of the RPSD Executive meeting in November 2009. A motion was made by Wayne Newhauser to approve the November 2009 meeting minutes (seconded by Dick Amato). Motion passed unanimously.

5. Treasurer's Report

- Shaheen Dewji distributed the Treasurer's Report. David Court cross-referenced previous the previous meeting minutes Item #6 with the Treasurer's Report and asked for clarification. Charlotta Sanders made a motion to contribute \$2000 for the upcoming Student ANS sponsor support. Nolan Hertel amended the motion (seconded by David Court) to \$2500 such that the minimum sponsorship level is met (and as well a booth would be manned and pamphlets

distributed; Nolan Hertel volunteered to be responsible for the booth). Motion passed unanimously.

- Clarification is requested regarding the amendments made to the December 2009 budget. Motion is made by Ray Klann (seconded by Wayne Newhauser) to table approval of the budget until clarification is made at the next meeting. Tabled unanimously.

6. New Position Statement

- Rob Hayes is seeking a new position statement to emphasize safety and quality in a more general context for radiation protection of nuclear facilities (hospital, waste facility, accelerators, etc.). Concerns were voiced that some of the tenets regarding cost effectiveness of the draft position statement may not be applicable to hospital or academic environments. Concerns were also voiced whether the position statement may impinge on the mission of other divisions.
- David Court made a motion (seconded by Wayne Newhauser) to commission a working group headed by Rob Hayes to draft the position statement, and liaise with the policy committee. Passed unanimously.
- Working group volunteers: James Baciak, Wayne Newhauser, Raymond Klann, Mike Fensin, and Dick Amato.

7. Program Committee Updates

- Eric Burgett presented the developments of the RPSD Program Committee.
 - Attempting to resolving issues with ICRS 12/RPSD 2012 Topical while having difficulties contacting the organizers in Japan. Debate ensued regarding whether the meeting should be classified as a Type II or Type IV meeting. Type II was deemed more appropriate since RPSD was not hosting but had a joined arrangement.
 - Moving forward with the Winter 2010 meeting to include the best papers from the RPSD 2010 Topical to be invited. The Summer 2011 meeting will have a new session including nuclear physics.
 - Ken VanRiper was asked to prepare a workshop for either the upcoming Winter 2010 or Summer 2011 meeting.
 - Rob Hayes reminded that 100-word summaries for the ANS Annual 2011 meeting should be submitted to the Program Chair.
- Eric Burgett proposed that a pelican case should be acquired in order to consolidate all the electrical cords that are now distributed amongst members. A motion was made by Nolan Hertel (seconded by Dick Amato) to have Eric purchase a pelican case in the order of \$350 and to be reimbursed. Ken VanRiper stated that a suitcase would be a more cost effective alternative, but Eric Burgett stated that it would not conform to FedEx shipping standards. The motion was passed unanimously.

8. Awards

- David Court discussed the RPSD awards.
- Rob Hayes stated that the Lifetime Achievement, or Rockwell Award, was presented at the 2010 RPSD Topical Meeting to Nicholas Tsoulfanidis. This included \$500 plus a commemorative plaque. A photograph will be sent to ANS News.
- David Court stated that we have one RPSD student paper submitted for this meeting.

9. Previous ANS Student Conference Update

- Student representatives from the 2010 ANS Student Conference at the University of Michigan conference stated that the conference was a record success with 665 attendees. A

100% travel reimbursement will be provided for student participants. Division sponsorship was listed in the program.

10. National Program Committee Updates

- Charlotta Sanders attended NPC. The metric table is at the norm.
- The NPC is proposing to have board meetings on Saturday (changed from Thursday) such that members need not stay long. Concerns were raised regarding conflicts of presentations to division schedules.
- The NPC wants to provide a standard template for the RPSD website. Eric Shores, the current webmaster, will need to be solicited for his input.

11. Benchmarks

- Dick Amato discussed the benchmarking of TLD performance and the angular response to radiation, since TLDs are currently benchmarked based on straight-on exposure. The committee's response will solicit commentary and will look to simulate the experiment computationally. Charlotta's dry cask storage will be presented to the committee at the 2010 ANS Winter meeting. The Ohio State University benchmark based on its facility will be presented at the 2010 ANS Winter meeting, as will be the NASA outer-space benchmark.

12. Shielding Standards

- Charlotta Sanders stressed that as a division we must ensure our standards are kept up-to-date.
- The ANS Standard 6.4, chaired by Dick Faw, is under review.
- Ken Shultis, one of the members of ANS 6.4, is serving as a representative to a new working group on concrete in nuclear power plants under the auspices ANSI and NIST called the Nuclear Energy Standards Coordination Collaborative (NESCC). Dr. Clarissa Ferraris, at NIST is heading the effort and the working group is designated as NESCC 09-016.

13. Nominations

- Nominations were solicited by Rob Hayes for the upcoming RPSD Executive members. Hayes wants to nominate two medical physicists in order to maintain the division collaboration (George Xu and Wayne Newhauser). Shaheen Dewji nominated Nolan Hertel, for consideration as well. Ray Klann nominated Janice Arwood from ORNL.

14. Outgoing Chair– Lessons Learned

- Rob Hayes reflected on what went well and what went poorly during the past year. On the latter note, he did not make it to the mandatory Professional Division Workshop (Saturday session) and did not follow rules to verbatim regarding nomination for the Rockwell Award where he should have come to the committee with paperwork. There were additionally some conflicts with the benchmark committee. Successes included the panel session on ethics.

15. Tutorials

- Bernie Kirk requested that RPSD sponsor a GEANT4 tutorial at upcoming meeting, which would be provided free of charge.

16. Adjournment

- The meeting was adjourned at 2:47pm.

Minutes taken by: Shaheen Dewji, RPSD Executive Committee member

Reviewed and submitted by: Arzu Alpan, RPSD Secretary