

Minutes
Radiation Protection and Shielding Division
Executive Committee Meeting
November 10, 2008
Reno, NV

Present

Officers:

John S. Hendricks, LANL, Chair (2009), jxh@lanl.gov
Robert Hayes, NSTec, Vice-Chair/Newsletter (2009), hayesrb@nv.doe.gov
Charlotta Sanders, UNLV, Secretary (2009), sander59@unlv.nevada.edu
F. Arzu Alpan, Treasurer (2009), alpanfa@westinghouse.com

Executive Committee: (year term expires)

Larry Townsend, University of Tennessee (2009), ltownsen@tennessee.edu
Dick Amato, Bettis (2011), amators@bettis.gov
Dave Court, LANL (2011), davec@lanl.gov

RPSD Members:

John Wagner (ex-officio), ORNL, wagnerjc@ornl.gov
Eric Burgett, Georgia Tech., eric.burgett@nre.gatech.edu
Ray Klann, ANL, klann@anl.gov
Wim Haeck, IRSN, France, wim.haeck@irsn.fr
Jamu Baciah, Univ. of Florida
Judi Williams, APS/Palo Verde, judithannwilliams@gmail.com
Tom Jordan, EMPC, tj@empc.com
Robert Singleterry, NASA, robert.c.singleterry@nasa.gov

1. **Call to order (5:05 P.M.) – John Hendricks, Chair**
 - John Hendricks introduced new format of the Executive Meeting
 - Agenda and attendance sheet were circulated
2. **Student Conference Report – Christopher Perfetti, General Chair**
 - University of Florida provided information about the upcoming ANS student conference (April 1-5, 2009)
 - RPSD has committed \$1,500 towards sponsorship of the conference
3. **Foreign Executive Committee Member**
 - Based on previous election results, non-US members are having a hard time being elected for RPSD office. John Hendricks proposed to entertain a motion that RPSD add a separate category to the ballot that is only open to non-US nominees. The foreign executive committee member would only serve for 1 year.
 - After discussion, this motion passed.
4. **Student Executive Committee Member**
 - John Hendricks proposed to entertain a motion that RPSD add a student. The foreign executive committee member would only serve for 1 year.

- A discussion took place regarding the legality per the bylaws to have a student serve on the Executive Committee. Since the bylaws are currently in limbo, this is currently not an issue but could potentially become an issue in the future.
 - The motion passed.
 - Two additional motions were proposed regarding (1) giving the student a travel grant in (2) the amount of \$200.00.
 - Both motions were passed.
- 5. Proxies**
- While there is already an allowance in the rules and bylaws that a member of the Executive Committee can assign a proxy if he/she cannot attend the Executive Committee meeting, this was re-asserted and clarified.
- 6. Appointment of Executive Committee Members**
- The chair has the authority to appoint members to the Executive Committee per the bylaws.
 - Due to David Anderson's present committee as the National Program Chair, he was excused from the RPSD Executive Committee.
 - Erik Shores will be replacing David.
- 7. Previous Meeting Minutes**
- The meeting minutes from the June 2008 RPSD Executive Committee meeting were circulated and approved. These meeting minutes are also available on the website.
- 8. Plans**
- The strategic plan, 1 yr tactical plan, 5 yr strategic plan, and succession plan (see attachment) were handed out and approved.
- 9. Nominations**
- The following names were suggested for nominations:
 - Executive Committee (2012):
 - Wayne Newhauser, M. D. Anderson, Houston
 - International (2010)
 - Yi-Kang Lee, CEA/Saclay, France
 - Wim Haeck, IRSN, France
 - Pedro Vaz, ITN, Portugal
- 10. Support of Pre-1998 ANS Journals On-Line**
- There is an interest in having pre-1998 journal articles available on-line. There is a fairly substantial cost associated with scanning these articles. The question is if RPSD should support this effort by giving ANS some money. The general consensus is that RPSD will support the task but will not be giving ANS any money since this is an ANS task and not a division task.
- 11. RPSD 2008 Publications**
- Some issues have arisen in publishing the papers from the RPSD 2008 (some papers were rejected due to content, length of paper etc.). To avoid a similar scenario for the RPSD 2010 topical meeting, an action item was given to Rob Hayes to send an e-mail to the editor in chief of the journal of Nuclear Technology to ensure that the 4 page suggested length for the papers is sufficient for publication in the journal.
- 12. Position Statement**

- The Las Vegas local section is writing a position statement in cooperation with HPS regarding nuclear waste storage. Once this statement has been approved by the local section, Rob Hayes will forward it to the RPSD Executive Section for review.

13. Other Business

- The Las Vegas local section is requesting a loan from RPSD to use as a down-payment to reserve the hotel for the RPSD 2010. The initial request was for \$10,000, but was amended to \$6,000.
- The request of \$6,000 was approved with an option to re-visit this topic in 6 months.

14. Reports

See attachment for applicable reports:

- Program Committee – Charlotta Sanders
- RPSD 2010 – Robert Hayes
- Bylaws – Erik Shores
- Benchmarks – Richard Amato
- Membership – Arzu Alpan
- Honors & Awards – Dave Court
- Standards – Bill Hopkins –
 - ANS 6.1.1: Dose Conversion Coefficients. Nolan Hertel
 - ANS 6.6.1: Calculation and Measurement of Direct and Scattered Gamma Radiation at LWR Nuclear Power Plants” – new chair needed
 - ANS 6.1.2: Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection Calculations for Nuclear Power Plants. Arzu Alpan
 - ANS 6.4.3: Gamma-Ray Attenuation Coefficients & Buildup Factors for Engineering. Jeff Ryman / Dick Faw
- Scholarship – John Poston

15. Adjournment – Approximately 6:35 P.M

RPSD Officers and Committees

Officers:

John S. Hendricks, LANL, Chair (2009), jxh@lanl.gov

Robert Hayes, Bechtel-Nevada, Vice-Chair/Newsletter (2009),
hayesrb@nv.doe.gov

Charlotta Sanders, UNLV, Secretary (2009), sander59@unlv.nevada.edu

F. Arzu Alpan, Treasurer (2009), alpanfa@westinghouse.com

Executive Committee: (year term expires)

Jennifer Tanner, PNL (2009), jennifer.tanner@pnl.gov

Larry Townsend, University of Tennessee (2009), ltownsen@tennessee.edu

Everett L. Redmond II (2010), elr@nei.org

Erik F. Shores, LANL (2010), eshores@lanl.gov

X. George Xu (2010), xug2@rpi.edu

Dick Amato, Bettis (2011), amators@bettis.gov

Dave Court, LANL (2011), davec@lanl.gov

Michele Ferenci, Case (2011), michele.sutton@mingspring.com

Standing and Special Committee Chairs:

RPSD 2010 Las Vegas – Rob Hayes, RSL, hayesrb@nv.doe.gov

Membership – F. Arzu Alpan, Westinghouse, alpanfa@westinghouse.com

Honors and Awards – Dave Court, LANL, davec@lanl.gov

Scholarship – John Poston, TAMU

Program – Charlotta Sanders, UNLV, sander59@unlv.nevada.edu

Benchmarks – Dick Amato, Bettis, amators@bettis.gov

Standards – Bill Hopkins, Bechtel, retired, wchopkins@insightbb.com

Bylaws – Erik Shores, LANL, eshores@lanl.gov

Nominating – John Wagner, ORNL, wagnerjc@ornl.gov

Web-site – Erik Shores, LANL, eshores@lanl.gov

ANS Board Liaison – Herb Fontecilla

ATTACHMENTS

November 10, 2008

Radiation Protection and Shielding Division

Strategic Plan

American Nuclear Society

Guiding Core Purpose

The guiding core purpose of The Radiation Protection and Shielding Division (RPSD) of the American Nuclear Society (ANS) is to promote the awareness and understanding of the application of nuclear science and technology, particularly in the field of radiation protection and shielding.

Vision

RPSD will be the recognized credible ANS technical division for advancing and promoting nuclear science and technology in the area of radiation protection and shielding. This includes computational and physical tools for radiation detection and modeling and their appropriate use and application.

Mission

RPSD will carry out the mission of the ANS by:

- A. Expanding resources for professional development and knowledge exchange
- B. Strengthening our recognition as a credible source of nuclear science and technology information
- C. Actively contributing and participating in nuclear science and technology issues
- D. Becoming more proactive, flexible and responsive in governance, management and organization
- E. Strengthening our membership and partnership base

Goals and Objectives

A. Expand resources for professional development and knowledge exchange

1. Continue to apply new technologies and expand website for communications
2. Expand the range of standards development and cooperation
3. Develop programs for member development, including career opportunities and development of young members
4. Promote organizational support for the professional development of the organizations' employees
5. Enhance the quality and value of meetings and publications
6. Evaluate certification opportunities

B. Strengthen recognition as a credible source of nuclear science and

technology information

1. Continue excellent programs at national and topical ANS meetings
2. Provide position papers, benchmarks, and standards as appropriate
3. Encourage publication in ANS Transactions and Journals

C. Actively contribute to and participate in nuclear science and technology issues

1. Continue excellent programs at national and topical ANS meetings
2. Provide position papers, benchmarks, and standards as appropriate
3. Encourage publication in ANS Transactions and Journals
4. Develop strategic alliances with other ANS Divisions, professional societies, and international organizations

D. Become more proactive, flexible and responsive in governance, management and organization

RPSD will strive for excellence in governance as measured by:

1. Membership participation in RPSD programs;
2. Total membership;
3. ANS Professional Divisions metrics.

E. Strengthen membership and partnership base

1. Identify and communicate the value of ANS and RPSD membership to diverse Constituencies
2. Continue to develop strategic alliances with win-win philosophy
3. Continue to provide outstanding technical programs
4. Continue to provide professional development opportunities for members through tutorials, workshops, and networking.

Tactical Plan for 2009

Radiation Protection and Shielding Division

American Nuclear Society

Top Priorities for 2009 and Operational Plans and Activities

1. *Continued program excellence at national meetings:*

- 3 – 8 sessions (full participation) at each national meeting including invited, contributed, panel, roundtable, and tutorial sessions.

Responsible Group: RPSD Program Committee

- Planning for RPSD 2010 (Las Vegas, NV Apr 2010) and Monte Carlo 2010.

Responsible Group: RPSD 2010 Organizing Committee

(Strategic Plan Goals A, B, C)

2. *Governance excellence:*

RPSD will strive for excellence in governance as measured by:

4. Membership participation in RPSD programs;
5. Total membership;
6. ANS Professional Divisions metrics.

Responsible Group: RPSD Executive Committee

(Strategic Plan Goal E)

3. *Increased Diversity:*

RPSD will seek to have representation of non-US members on its executive committee and student members. This will be achieved by having them run in separate categories in the next RPSD election. (See succession Plan.)

(Strategic Plan Goal E)

Succession Plan (June 2009)

- Robert B. Hayes, Vice-Chairman, will become chairman;
- The winner of the annual election will become vice-chairman / chairman-elect;
- The winners of the annual election will become secretary and treasurer;
- John Hendricks (2008-2009 chairman) will become ex-officio member of the executive committee with voting rights.
- Jennifer Tanner and Larry Townsend will have their executive committee terms expire and be replaced by successful candidates of the executive committee election.
- A student member and an international member will be added to the Executive Committee.

Five-Year Plan for 2009-2014

Radiation Protection and Shielding Division

American Nuclear Society

Purpose or Mission

The purpose and mission of the Radiation Protection and Shielding Division (RPSD) are consistent with the objectives of the American Nuclear Society (ANS), principally, “the advancement of science and engineering relating to the atomic nucleus and of allied sciences and arts”. The RPSD shall provide, through a group of members of any grades particularly interested in radiation protection and shielding, a means to promote the sciences and arts of that area, within the scope of the Society. The purpose of the Radiation Protection and Shielding Division of the American Nuclear Society is therefore to coordinate the radiation protection and shielding activities of the Society, promote free interchange of information, stimulate research, and promote publication.

Long-Term Goals

- Hold meetings, or conduct other activities, in accordance with the stated policy of the Society for the presentation and discussion of professional ideas relating to radiation protection and shielding.
ANS Strategic Plan A; ANS Strategic Goal A.
- Disseminate knowledge and information in radiation protection and shielding by discussions, communications, the presentation of papers, and other means of information exchange.
ANS Strategic Plan A; ANS Strategic Goals A, C.
- Encourage the formation of closer professional and, as appropriate, personal relations among the members.
ANS Strategic Plan A; ANS Strategic Goal B.
- Cooperate with other scientific and professional groups having related objectives.
ANS Strategic Plan A, B; ANS Strategic Goals C, D, E.

Recommended Changes to ANS Strategic Plan (if any)

None.

ANS Strategic Goals (From ANS Strategic Plan)

- Goal A: ANS will be the recognized leader for the advancement of nuclear science and technology;
- Goal B: ANS will be the members’ primary resource for professional

development and knowledge exchange;

- Goal C: ANS will be publicly recognized as a credible source of nuclear science and technology information;
- Goal D: ANS will be an active contributor to and participate in nuclear science and technical policy issues;
- Goal E: ANS will be an organization that is flexible, responsive to members and capable of dealing with change.

Implementation Plan

The ANS RPSD will achieve the goals of its strategic plan by the following activities for the next 5 years:

- *Program Excellence:* (responsibility of RPSD Program Committee)
 - Full participation in National Meetings with 3 – 8 sessions;
 - Topical meetings in even numbered year: 2010 (Las Vegas), 2012, 2014;
 - Innovative programs. RPSD introduced code tutorial sessions. “Best of Sessions” from its topical meetings, review papers, and is the second ANS division to provide roundtable sessions.
- *Governance Excellence:* (Responsibility of RPSD Executive Committee)
 - RPSD will strive for excellence in governance as measured by membership participation in RPSD programs, total membership, and ANS Professional Divisions metrics.

November 10, 2008

Succession Plan

Radiation Protection and Shielding Division

American Nuclear Society

Succession Planning identifies and commits “next-in-line” resources to fill positions on division committees when existing personnel have completed their term.

Consistent with ANS Bylaws and Rules, the Radiation Protection and Shielding Division (RPSD) has 4 officers and 9 executive committee members with staggered three-year terms. The officers are chairman, vice-chairman / chairman-elect, secretary, and treasurer. These officers serve for one-year terms. In addition there are one student member and one international member of the executive committee who serve for 1-year terms. Finally, there are two ex-officio members: the past chairman (with voting rights) and the ANS Board Liaison (without voting rights.)

There are also a number of standing committees of the RPSD which are chaired by RPSD members who are usually not Executive Committee Members.

The vice-chairman always succeeds the chairman. The vice-chairman, secretary and treasurer are elected for 1-year terms and generally nominated only after demonstrating leadership and accomplishment as Executive Committee members or standing committee members / chairs. Successful service as program committee chairman is a particularly highly regarded qualification for future nomination to higher offices.

RPSD has found this succession plan to be successful in the past. RPSD believes that a more formal, longer-term succession plan may not as rapidly reward success / accomplishment. A longer-term succession might also “lock in” someone who is no longer or able to perform at the level required.

For 2009 and possibly beyond, RPSD will have separately competed positions for a student member and an international member of the Executive Committee.

AMERICAN NUCLEAR SOCIETY

2007/2008 Budget

	2007 FINAL	2008 (proposed)	2008 Actual 9 Month		Details
Income					
Carry Forward, Prior Year	21,229	14,882	17,302	F	
Member Allocation	1,344	1,344	2,656	F	\$2 per RPSD member
Other Budget Funds	410	15,000	0	E	\$15,000 for RPSD 2008 Topical Meeting
Total Budget Funds	22,983	31,226	19,958		
Expenses					
Newsletters	0	0	0		
Awards, Plaques	53	560	570	F	\$500 Rockwell Award Monetary Gift
				F	\$25 Rockwell Award Plaque
				F	\$45 Outgoing Chair - John Wagner
National Meeting Costs	2,488	500	0	E	\$500 equipment rental
Division Officer Expense	0	0	0		
Student Support	3,000	1,000	0	E	\$1,500 Student Conference 2009 UFL
Scholarship/Need Funding	0	2,000	0		
Other Expenses	140	0	124	F	\$124 FedEx 5 boxes of cords for workshop
Total Expenses	5,681	4,060	694		
Carry Over, Year End	17,302	27,166	19,264		

Note: ANS Scholarships are now fully endowed by the Board of Directors.

F Final considered final by ANS Headquarters
P Pending still pending with ANS Headquarters
E Estimate estimates for the rest of the year

Blizzard Scholarship

Balance 01/01/08	53,021
Plus 9 Months Interest	1,997
Plus 2008 Receipts	-
Minus 2008 Disbursements	(3,000)
Balance 9/30/08	<u>52,018</u>

Proposed Budget 2009

		Details
Income		
Carry Forward, Prior Year	19,264	
Member Allocation	2,656	\$2 per RPSD member
Other Budget Funds	410	\$410 for National Meeting Participation
Total Budget Funds	22,330	
Expenses		
Newsletters	0	
Awards, Plaques	45	\$45 Outgoing Chair
National Meeting Costs	0	
Division Officer Expense	0	
Student Support	1,500	\$1500 ANS Student Conference 2010
Scholarship/Need Funding	0	
Other Expenses	250	National meeting equipment rental and workshop need:
Total Expenses	1,795	
Carry Over, Year End	20,535	

Minutes
Program Committee Meeting
Radiation Protection and Shielding Division
American Nuclear Society
November 10, 2008

Present

Charlotta Sanders, sander59@unlv.nevada.edu
John Hendricks, jxh@lanl.gov
Eric Burgett, eric.burgett@nre.gatech.edu
Judi Williams, judithannwilliams@gmail.com
Robert Hayes, hayesrb@nv.doe.gov
Dave Court, davec@lanl.gov
Brian Aviles, bnaviles@alum.mit.edu
Andrew Zillmer, andrew.zillmer@hsr.utc.com

RPSD to co-sponsor YMG Session

Andrew Zillmer, Young Members Group, Young Professionals Congress(YPG) will be an embedded topical meeting at the ANS National Meeting in Washington DC in Nov 2009. YMG requested RPSD participation in YPG co-sponsoring a session – specifically “Monte Carlo Tutorial for Young Professionals.” Send Dave Pointer & Nicole Ellis -100 word summary of session, but summary goes to Shanna Helton 240—277-1787 & Andy Zillmer 818-489-6509

Scale tutorial (by John Wagner) volunteered as well.

RPSD 2010 – Rob Hayes –

Papers will be published in a special version of Nuclear Technology – the reviewers will include the session chairman. Once an author decides to publish a peer-reviewed paper, the author will submit a 4-page maximum extended abstract that will go to Hayes and Nick Tsoulfinidas. Those not wanting a peer-reviewed journal will submit 1-page summaries. In addition, there will be review papers, tutorials, etc. IRD, BMD are co-sponsors – but they have not done anything yet. The location will be a Palace Station which has offered a \$50/night rate, reasonable cost food and beverage, airport transportation.

Rob claims that Tsoulfinidas has agreed that the 4-page length will be accepted in the interest of keeping the special edition short; papers will not be rejected or relegated to technical note status on the basis of 4-page length. Of course, if author decides to provide a lengthier paper it must be re-reviewed.

Rob Hayes requests session chairs – name, e-mail.

Upcoming National Meeting –

Atlanta will have 11 sessions including a number of tutorials. New tutorials include Variance Reduction with Tom Booth; a new session is the Monte Carlo Dice Seminar with John Hendricks.

Broadening the RPSD Audience / Student Paper Session

Arzu Alpan is working with Charlotta to provide a utility session – Judith Williams from a utility said the utilities are interested in emergency plans based upon shielding and dose calculations – perhaps have NRC, government, utility participants – a session on radiation shielding and dose calculations for utility emergency plans. John Wagner suggests that Charlotta consult with Herschel Smith (RPSD member who is a utility person.)

Paper Reviews

Charlotta asked for volunteers to review summary paper for the upcoming conference.

General Discussion / Other Business

None.

ANSI/ANS-6.4.3 Working Group Report

This active working group hosted a session at this 2008 ANS Winter Meeting to present the current work that is taking place. This standard is being updated to provide new gamma-ray attenuation coefficients and buildup factors. The session “Recent Work with Buildup Factors” featured 3 papers that provided an overview of the standard and some initial results utilizing new attenuation coefficient data.