

American Nuclear Society
Nuclear Nonproliferation - Technical Group

WASHINGTON, DC

Sheraton Omni Hotel – East Parlor #600

Sunday, October 30, 2011

2:00 – 4:00 pm EDT

Governance Meeting

Officers			Executive Committee					
				<i>2012</i>		<i>2013</i>		<i>2014</i>
<i>Chair</i>	P	John Gunning		Raymond Juzaitis	T	Mel Buckner	T	Shaheen Dewji
<i>Vice Chair</i>	T	Larry Satkowiak	P	Steven Nesbit	P	Jeff Jay	P	John Dewes
<i>Secretary</i>	P	Carl Mazzola		open		Caroline Jorant (International Rep)		open
<i>Treasurer</i>	P	Michaela Eddy						
<i>Immediate Past Chair</i>	P	Ben Cross						

Committee Chairs						
<i>Program</i>	P	Susan Turner		<i>Goals and Planning</i>	P	John Dewes
<i>Membership</i>	P	Vanice Perin		<i>Publicity and Public Policy</i>	P	Ben Cross
<i>Web Content</i>	P	John Gunning				

Note: P = in person, T= via teleconference

Special Advisory Committee on Nuclear Nonproliferation (SACNN)							
Acting Chair: Ben Cross							
	William Burchill - <i>Chair</i>		Humberto Garcia		Michael Lineberry	Thomas Sanders	
	Henry Abeyta		Matthew Gidden		Michael Miller	James Tulenko	
	Steven Aumeier		Mark Goodman	P	Steve Mladineo	Daniel Vega	
P	Robert Bari	P	Linda Hansen		Paul Nelson	P	Alan Walter
	Jim Bollinger		Alan Hanson	P	Vanice Perin	P	Jeremy Whitlock
P	Gene Carpenter	P	Morris Hassler	P	Shikha Prasad		Ned Wogman
	Maureen Clapper		Andrew Kadak		Clay Ramsey		
	Herbert Feinroth	P	Steve LaMont	P	David Rossin		Ted Quinn

Others Attending							
P	Rian Bahran	P	Sean Branney	P	Donald Carlson	P	Larry Foulke
P	Dave Hanks	P	Allison Holiski	P	Jeff Johnson	P	Lenna Kollar
P	David Kula	P	Melissa Scholz	P	Kevin Veal	T	Amy Verallo
T	Jamie Warburton						

1. Introductions

Chair John Gunning called the first Nuclear Nonproliferation Technical Group (NNTG) meeting to order at 2:00 pm on Sunday afternoon, October 30, 2011. John welcomed the 35 meeting attendees (31 present; 4 phone) and asked each of the members and guests to introduce themselves and briefly discuss their role and function on the NNTG. John reviewed the agenda and introduced Vanice Perin, who was instrumental in the formation of the Special Committee on Nuclear Non-proliferation (SCNN) in 1993. The attendees recognized and provided a round of applause to Vanice for her vision in forming the SCNN 18 years ago.

2. Approval of Minutes of the June 26, 2011 Meeting – Hollywood, FL

A motion was made by Ben Cross and seconded by Steve Nesbit to approve the minutes of meeting of the Special Committee on Nuclear Nonproliferation (SCNN) of June 26, 2011 as written. The motion passed unanimously. It was recognized that the NNTG is separate from the SCNN. However, since the SCNN is predecessor to the NNTG, it was reasonable to approve the last SCNN meeting minutes at this first meeting of the NNTG.

3. Summary of Activities Leading to the Creation of the NNTG

John Gunning related that the past governance structure limited membership in SCNN to approximately 40 members, and the Special Committee as well as all members of the Committee had to be appointed every year by the incoming ANS President. This had been done every year since 1993. A Special Committee, by ANS Bylaws, is to exist for not longer than one year and then dissolve or be reappointed. However, professional division/technical group status will enable all interested ANS members to participate in, and contribute to, the NNTG. The NNTG has the potential to grow to a significantly larger organization that includes a governance organization of Officers and Executive Committee with the ability to have its own programs, treasury, and scholarships, etc. This Technical Group/Division organization involves more governance work than was work associated with the prior Special Committee. However, with more ANS members eligible to participate in the NNTG, this provides an opportunity for all interested members to participate in this governance.

At the ANS National Meeting of June 2010 in San Diego, an SCNN subcommittee was established, chaired by John Gunning, which was charged to further define the steps needed to achieve division/technical group status. At the subsequent ANS National Meeting of November 2010 in Las Vegas, the subcommittee provided the recommendation that: SCNN should proceed with activities, as defined in ANS Professional Divisions Committee (PDC) protocols, to become a Technical Group, with the intent to become a Professional Division. The recommendation passed by a vote of 18-1. Based on this direction, the subcommittee created a Charter for the NNTG (at the time referred to as the NNTG-TG) and gathered signatures on a petition (with 51 signatures, where 20 are needed) to form the TG. These were submitted to Mikey Brady Raap, Professional Divisions Committee (PDC) Chair on March 11, 2011. Mikey subsequently requested that John make a presentation during the ANS Meeting of June 2011 in Hollywood Florida to the PDC Workshop of June 25th that summarized the reasons for creating the Nuclear Nonproliferation Technical Group/Division. The PDC Workshop had representatives of all ANS Divisions, and the presentation was well received with strong support and no objections. During the subsequent PDC Meeting that occurred at this ANS Meeting, and in accordance with standard ANS protocol, representatives of all Divisions were asked to vote on the creation of the new NNTG. There were no objections, and all Division that had quorums at their governance meetings that occurred

earlier in the week voted in favor of creation of the new TG. However, there were 4 Divisions that did not have quorums at their governance meetings, and committed to email in their response within the subsequent 2 weeks. This subsequently occurred, and as a result, the creation of the NNTG was unanimously approved by all Professional Divisions. The PDC subsequently recommended to the ANS Board of Directors that formation of NNTG be approved. This recommendation was approved, and ANS President Eric Loewen sent John Gunning a letter dated July 27, 2011 documenting this approval.

4. Summary of Activities Performed by the NNTG to Date

John Gunning provided a summary of the NNTG activities that were performed since July 27, 2011. They included the appointment of the initial officers and executive committee members, and the adaptation of the previous SCNN website to be the NNTG website <http://nn.ans.org/>. NNTG also provided input to a press release issued by ANS, and created a set of NNTG Bylaws and Rules to be submitted to the ANS Professional Divisions Committee (PDC) for review. In addition, NNTG established the Special Advisory Committee on Nuclear Nonproliferation (SACNN) to provide continuity with the previous SCNN members as well as maintain the dynamic and stimulating input provided by this relatively unstructured committee. The NNTG program chair initiated 7 sessions for the ANS 2011 Winter Meeting in Washington DC, and under the leadership of Andy Kadak, reviewed the report by the Blue Ribbon Commission on America's Nuclear Future and submitted comments to ANS.

5. Introduction of NNTG Officers and Executive Committee

Each of the NNTG officers and executive committee members introduced themselves and indicated what their roles and functions were.

6. Appointment of Committee Chairs

Subsequent to solicitation of interest among the meeting participants, John Gunning made the following appointments to the NNTG Standing Committees:

- Goals and Planning Chair: John Dewes
- Membership Chair: Vanice Perin
- Publicity and Public Policy Chair: Ben Cross
- Web Content Chair: John Gunning
- Honors & Awards Chair: vacant
- Nominating Committee: John Gunning, Ben Cross, Larry Satkowiak, and Shaheen Dewji.

Shaheen Dewji, Rachel Slaybaugh and Michaela Eddy have been actively working to solicit student members of NNTG.

7. Summary of ANS Technical Group Metrics

John Gunning briefly summarized the Professional Divisions Committee (PDC) metrics system for technical groups and professional divisions and indicated this generally results in professional divisions and technical groups improving their performance.

8. Officer Reports

Vice-Chair

No report was provided.

Secretary

Carl Mazzola indicated that since he had performed this function for the SCNN for the past 3 years, he wasn't surprised when he was offered the Secretary position, which he accepted.

Treasurer

Michaela Eddy reported that she had looked at the Fuel Cycle Waste Management Division (FCWMD) budgets to become familiar with the categories of revenue and expense. She indicated that the Treasury will receive its first revenue on January 1, 2012 when it will be credited \$2 per NNTG member; whether the ANS member chose NNTG as its first or second division choice. Other revenues will come from standalone and embedded topical meetings that NNTG sponsors or co-sponsors with another professional division.

Since NNTG will not have any revenue until early 2012, it was moved, seconded and voted to request \$3,000 seed money from FCWMD, since that professional division sponsored SCNN since 1993.

9. Committee Reports

Web Content – John Gunning

The NNTG website is <http://nn.ans.org>. The site is a work in progress, but has been updated to include at least the items listed below.

Chairs Message, letter from ANS President Eric Loewen documenting approval of creation of the NNTG, Brief History of SCNN and NNTG, Power Point presentation to the PDC Workshop describing reasons for creating the NNTG, NNTG Charter, links to NN related position statements, minutes of the SCNN meeting of June 26,2001 in Hollywood, FL.

The site is not password-protected. However, we have the option of creating a Members Only section that is password protected.

Hanna Shapira is the site webmaster.

Other Committees

Because the Chairs of other committees were appointed earlier in the meeting, they had yet not had an opportunity to perform any activity on which they could report.

10. Old Business

None.

11. New Business

April 2012 Student Conference

Vanessa Sanders, Sherry Faye and Petina presented plans for the 2012 Student Conference to be held at the University of Nevada at Las Vegas (UNLV), April 12-15, 2012. There is a need for financial support and for professionals to judge papers. John Gunning mentioned that he will solicit volunteers to assist this conference.

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Program Committee Meeting

Susan Turner - Chair

1. Programs Plans for Current and Future Meetings

October-November 2011 ANS Winter Meeting – Washington, DC

Program Chair Susan Turner discussed the eight (8) NNTG sessions for this meeting. The following sessions are in place:

- Nonproliferation and Radwaste Management Education at University, Monday p.m. (Craig Williamson, Chair);
- Helium-3 Alternative Shortage–Panel (Michaela Eddy Chair), Monday p.m.;
- Treaty Verification and Arms Control Policy–Panel (Susan Turner, Chair), Monday p.m.;
- Nuclear Nonproliferation International Safeguards (NNIS) (Craig Williamson, Chair); Wednesday, p.m.;
- Graduate Fellowship Program: NNIS Fellows Perspective on Specializing in Nuclear Nonproliferation Technology and Policy in a Doctoral Program–Panel (Paul Nelson, Chair), Wednesday p.m.;
- Methods for Nonproliferation Risk Assessment and Safeguards—Next Generation Technology Applications, Wednesday p.m.
- Nuclear Nonproliferation and International Safeguards Graduate Fellowship Program: University Program Realign to Meet the Needs for a New Workforce in Nuclear Nonproliferation–Panel, Thursday a.m. (Craig Williamson, Chair); and,
- Treaty Verification and Arms Control Technologies–Panel (Susan Turner, Chair), Thursday p.m.

June 2012 ANS Annual Meeting – Chicago, IL

The potential sessions that NNTG will sponsor in the Call for Papers for the June 2012 Annual Meeting in Chicago, IL were reviewed. Abstracts are due in early January, 2012. However, abstracts can be accepted as late as the paper review meeting in Chicago, IL, February 6-8, 2012. An NNTG representative is encouraged to attend the paper review meeting to ensure that a favorable placement of NNTG sessions will be achieved. Topics include nuclear non-proliferation safeguards and quantitative methods for nuclear non-proliferation.

November 2012 ANS Winter Meeting – San Diego, CA

The 100-word summaries are due by November 3, 2011 for this meeting. Several potential sessions were discussed, including:

- Carl Mazzola and Clay Ramsey will do a fifth session on the Plutonium Disposition Projects (PDP) at SRS and already has provided a 100-word summary;
- Road to Zero (Shaheen Dewji, Michaela Eddy);
- Verification and Arms Control (Susan Turner);
- Monterey Institute for Non-proliferation – Panel (Michaela Eddy);
- Non-proliferation Education in California; and,
- Nuclear Security Summit (John Dewes).

June 2013 ANS Annual Meeting – Atlanta, GA

Program Chair Susan Turner requested suggestions for the June 2013 ANS Annual Meeting to be held in Atlanta, GA. Several potential nonproliferation sessions were discussed.

Topical Meetings

Program Chair Susan Turner mentioned that the NNTG is involved with the 9th International Conference on Facility Operations Safeguards in Savannah, GA, in cooperation with the Isotopes and Radiation Division (IRD). This is sponsored by the Oak Ridge Local Section, and will be held September 23-28, 2012. It has achieved Final Approval with the National Program Committee. John Gunning will work with IRD to determine how best to leverage NNTG resources.

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Special Advisory Committee on Nuclear Nonproliferation (SACNN)

Acting Chair – Ben Cross

1. Summary of Current Nuclear Non-Proliferation Issues

Ben Cross, who holds the position of immediate past, and was also the last Chair of SCNN, chaired the SACNN meeting.

John Gunning mentioned that Bill Burchill has accepted the appointment of Chair of SACNN. As mentioned during the Governance meeting, the SACNN was established to provide continuity with the previous SCNN members as well as maintain the dynamic and stimulating input provided by this relatively unstructured committee. Current nuclear non-proliferation issues were briefly discussed, and the NNTG looks to the SACNN for ideas and guidance. It also expected that the SACNN will have significant input into the Program Committee at future meetings.

2. Subject Areas that NNTG Should Address

John Gunning discussed various topics that NNTG should address through the SACNN prior to the Chicago, IL meeting.

3. Involvement of Commercial Nuclear Utilities in Safeguards Activities

Jeff Jay made a presentation on the involvement of commercial nuclear utilities in safeguards activities. Jeff discussed the June 2011 topical presentation that he made and is planning to set up a 90-minute meeting with IEA. He took an action to meet with the Nuclear Energy Institute (NEI) to have a framework set up and has invited the National Nuclear Security Administration (NNSA) to participate. Ben Cross asked what role NNTG can accomplish. John Gunning mentioned that there is a need to identify specific tasks to do to move this forward and will work with Steve Nesbit, Ben Cross and Bill Burchill on identifying these and then developing an implementation strategy.

4. Status of Position Papers that NNTG Plans to Contribute to:

John Gunning identified the following position papers that NNTG should probably be involved with:

- Nonproliferation (ANS-55-2009);
- International Cooperation for Expansion of Nuclear Energy (ANS-79-2006);
- Utilization of Surplus Weapons Plutonium as Mixed Oxide Fuel (ANS-47-2009);
- The Use of Highly Enriched Uranium for the Production of Medical Isotopes (ANS-72-2005);
- Nuclear Fuel Recycling (ANS-45-2007); and,
- The Use of Thorium as Nuclear Fuel (ANS-78-2006).

John Dewes suggested that we get agreement with FCWMD and the Public Policy Committee on ownership of each of the position papers before working on any of them.

John Gunning led a discussion to identify other position paper subjects that NNTG should address.

It was agreed that Michaela Eddy would take preliminary steps to identify subjects that could be included in a Position Paper addressing Uranium Enrichment.

5. Adjournment

The SACNN meeting was adjourned at 4:20 pm. As this was the last of the three consecutive meetings, this adjournment also provided adjournment for the preceding two meetings. NNTG Chair John Gunning thanked everyone for their time and contributions.

Respectfully submitted,

Carl Mazzola, Secretary

Nuclear Nonproliferation Technical Group

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