

ANS Special Committee on Nuclear Nonproliferation Meeting

WESTIN DIPLOMAT HOTEL – HOLLYWOOD, FL

Sunday, June 26, 2011

Members Present: Benjamin J. Cross (Chair), James S. Bollinger, C.E. (Gene) Carpenter, John N. Dewes, Shaheen Dewji, Matthew J. Gidden, Dominique Greneche, John E. Gunning, Carl A. Mazzola, Stephen P. LaMont, Stephen V. Mladineo, Steven P. Nesbit, Clay H. Ramsey, A. David Rossin, James S. Tulenko, Susan B. Turner

Others Present: Charles W. Forsberg, David H. Hanks, Benjamin Holtzman, Jeffery J. Jay, Jeffery O. Johnson (representing Larry Satkowiak, Co-Vice Chair), W. Reed Johnson, Teri N. Leffer, Eric P. Loewen, Pamela Longmire, Jennifer Reichert, Gale S.F. Voyles, Craig Williamson

1. Introductions

Chair Benjamin J. Cross called the Special Committee on Nuclear Nonproliferation (SCNN) meeting to order at 2:00 pm on Sunday afternoon, June 26, 2011. Ben welcomed the meeting attendees and asked each of the members and guests to introduce themselves and briefly discuss how long they have served on the SCNN.

2. Approval of Minutes of the November 7, 2010 Meeting – Las Vegas, NV

A motion was made and seconded to approve the minutes of the November 7, 2010 SCNN meeting as written. The motion passed unanimously.

3. Participation at the WNFC 2011

Shaheen Dewji reported on SCNN's participation in the World Nuclear Fuel Cycle (WNFC) 2011 conference. Dr. Trond Bjornard, INL, made a presentation on behalf of SCNN. The presentation was a compilation of the presentations made at SCNN's special session on nuclear nonproliferation held during the 2010 ANS Winter Meeting in Las Vegas.

4. Update on the Nuclear Education Consortium

Jennifer Reichert provided an update on the activities of the Nuclear Education Consortium (NEC), which is a Non-Government Organization (NGO) focused on a national nuclear training initiative. Jennifer provided some background that led to the formation of NEC, which included the recognition that the nuclear renaissance in the United States and abroad has significant non-proliferation risks resulting in a need for training. NEC is attempting to leverage the United States educator's experience and develop a comprehensive curriculum as a single point of access.

Presently, NEC consists of 16 organizations which includes many universities and colleges, the University of Missouri Research Reactor, Oak Ridge National

Laboratory, and the Big 12 Engineering Consortium, and will soon be launching a website. NEC has conducted an outreach to several Federal entities, which include the Departments of State, Commerce, and Energy, the Nuclear Regulatory Commission and the White House. The Federal Government wants the focus to be mainly on security. Unfortunately, there is not

ANS Special Committee on Nuclear Nonproliferation Meeting

WESTIN DIPLOMAT HOTEL – HOLLYWOOD, FL

Sunday, June 26, 2011

much funding available, and NEC is struggling financially since private sector contributions are not sufficient for their operations.

Jennifer indicated that she had discussed this initiative with industry with only a small interest and then with the International Atomic Energy Agency, which appeared somewhat supportive. Jennifer still believes the mission is viable and has regrouped since the March 11, 2011 Fukushima accident.

NEC plans to convene a roundtable just after the completion of the ANS Winter Meeting on November 4, 2011 to develop a path forward. The target audience will be Federal, industry, and international. Jennifer will speak to incoming ANS President Eric Loewen.

5. Plans for the 2011 ANS Annual Meeting – Hollywood, FL

Program Chair Susan Turner discussed the two SCNN sessions at this meeting:

- SRS Plutonium Disposition Projects (Carl Mazzola);
- Best Practices in Interdisciplinary Safeguards and Nonproliferation Education (Shaheen Dewji and Michaela Eddy).

6. Plans for the 2011 ANS Winter Meeting – Washington, DC

Program Chair Susan Turner discussed the SCNN sessions for the upcoming Washington DC Winter Meeting, October 30-November 3, 2011. The nonproliferation sessions, which are in Track 7 of the Call for Papers (Sessions 7a through 7j), were each discussed. There was also some discussion on possibly interfacing with the Small Modular Reactor (SMR) Embedded Topical. Susan will look to see if panels can be formed relative to non-proliferation topics associated with SMRs. Susan will contact Dan Ingersoll, ORNL, and NA-24, where there is some interest.

Matthew Gidden volunteered to represent SCNN at the Paper Review Meeting in Chicago, IL, July 11-12, 2011.

7. Plans for the 2012 ANS Annual Meeting – Chicago, IL

Program Chair Susan Turner requested 100-word summaries, due by the July 11, paper review, for the 2012 ANS Annual Meeting. Several potential nonproliferation sessions were discussed, including:

- Carl Mazzola indicated that he and Clay Ramsey would be interested in doing a fifth session on the Plutonium Disposition Projects (PDP) at SRS; and
- John Dewes is considering a session on the 2012 Nuclear Security Summit;
- Steve Nesbit will look into a security and safeguards session resulting from recommendations to be made by the Blue Ribbon Panel on America's Nuclear Future; and,

ANS Special Committee on Nuclear Nonproliferation Meeting

WESTIN DIPLOMAT HOTEL – HOLLYWOOD, FL

Sunday, June 26, 2011

- Shikha Prasad may be proposing a session on Quantitative Methods for Non-proliferation of Safeguards, to be co-sponsored by the Isotopes and Radiation Division.

8. Plans for the 2012 ANS Winter Meeting – San Diego, CA

Program Chair Susan Turner requested suggestions for the 2012 ANS Winter Meeting. Several potential nonproliferation sessions were discussed, including:

- Craig Williamson will look into public policy aspects of non-proliferation; and,
- Emerging national programs associated with non-proliferation.

9. Update on SCNN Web Page Content

SCNN webmaster John Gunning discussed the content of the SCNN website, noting that it is password-protected and that he had sent the link to all SCNN members. The link is <http://committees.ans.org/nn/>. John mentioned that the website needs updating which is especially important since SCNN is on the verge of becoming a Technical Group.

Steve Nesbit suggested that a section on the 18-year history of SCNN be included in the website.

10. SCNN Participation at GLOBAL 2011

Ben Cross discussed SCNN's planned participation in GLOBAL 2011 which will be held in Japan in December 2011. Bob Bari has been the SCNN point of contact for GLOBAL 2011.

11. Status of SCNN's Transition to a Technical Group

The present governance structure limits SCNN to a participation of approximately 40 members, which have to be appointed every year by the incoming ANS Vice President, as it has been since 1994. By definition, a Special Committee should last a limited period of time and then dissolve.

The professional division/technical group status enables the SCNN to grow into hundreds and possibly thousands of participants with an Executive Committee, officers, an ability to have its own programs and scholarships, etc. This option also involves a lot of additional work associated with such governance, but there should be more people involved to do this work.

At the Las Vegas meeting, an SCNN ad hoc subcommittee, chaired by John Gunning, further defined what steps are needed to achieve technical group status and has developed the necessary paperwork, which was sent to Michaele C. Brady Raap, Professional Divisions Committee (PDC) Chair in March 2011.

John presented the ad hoc committee's report at the June 25, 2011 PDC workshop (see Attachment I), and it was well-received with a vote scheduled for the PDC meeting on June 29, 2011.

ANS Special Committee on Nuclear Nonproliferation Meeting

WESTIN DIPLOMAT HOTEL – HOLLYWOOD, FL

Sunday, June 26, 2011

12. New Business

Ben thanked Steve Nesbit for his efforts to develop a White Paper on the MOX fuel elements in Fukushima Unit 3 and how they contributed a trivial amount of additional impact. This paper was developed and issued soon after the March 11, 2011 accident.

Incoming ANS President Eric Loewen encouraged SCNN to complete the work needed to become a Technical Group which has his full support. To help ensure this outcome, Eric purposely did not renew the SCNN for June 2011-June 2012.

13. Adjournment

The meeting was adjourned at 4:00 pm. Chair Ben Cross thanked everyone for their time and contributions.

Respectfully submitted,

Benjamin J. Cross, Chair

Special Committee on Nuclear Nonproliferation

Mailing Date: July 20, 2011