



Minutes from the ANS NCSD Executive Committee

Omni Shoreham – Diplomat Ballroom
Washington DC
ANS Winter Meeting
Sunday 10th November, 2013

1. Call to Order

The Executive Committee Chair, Sandi Larson, convened the meeting at approximately 3pm. All of the Division Officers except the Treasurer/Finance Chair were present or called in via the conference line. The serving Division Officers are as follows:

Table with 4 columns: Position, Name, Phone, E-mail Address. Rows include Chair (Sandi Larson), Vice Chair/Chair Elect (Jerry Hicks), Treasurer/ Finance Chair (Deborah Hill), Secretary (John Miller), and Past Chair (ex officio) (Larry Wetzel).

A total of seven out of nine members of the Executive Committee were present or called in via the conference line. The serving Executive Committee members are as follows, with those not able to participate indicated with an asterisk (*):

Table with 4 columns: Term Ending June of (Year), Name, Phone, E-mail Address. Lists members from 2014 to 2016, including James Baker, Catherine Percher*, Ellen Saylor, John Bess, Brian Kiedrowski, Thomas Miller, Michael Corum*, Chris Haught, and Allison Miller.

Approximately 20 additional NCSD members were present providing broad nuclear industry representation. {Refer to Appendix A for the Attendee Sign-In Sheets}

2. Approval of Previous Meeting Minutes

The minutes from the previous 2013 Summer Meeting (in Atlanta, GA) were approved by email prior to this meeting. However, it was noted that ANS National indicated potential legal issues with



electronic voting at this time and therefore a motion was made to approve the previous meeting minutes. The vote resulted in approval without objection.

3. Chair's Report

The Chair provided an update on the Division Chairs meeting with the ANS President. Some of the key discussion points were as follows:

- a) In the past each division was allowed a single one-day registration for invited speakers. Now each division is allowed up to five one-day registrations and that the division chair must extend a formal invite. This resulted in discussions about potential to combine a couple one days into a single full registration.
- b) Workshops no longer have to have a fee associated with them and they can count as a technical track towards the Division's metrics.
- c) It was noted that first time attendees have a ribbon on their badge.
- d) There is a proposal to drop the Thursday sessions and instead have a poster session combined with some type of reception on Wednesday night to address issues with many attendees leaving early. This resulted in several discussions/comments ranging from:
 - i. Would it be a separate session or would we promote the best paper(s) from other sessions to also present a poster. Poster sessions have a bad rap.
 - ii. Travel issues for justifying traveling two days to attend a three-day meeting.
 - iii. Consideration for moving Sunday activities to Monday and meetings go through Thursday.
 - iv. It was noted that the NCSA gets good attendance on Thursdays while others don't so it might hurt us.
 - v. Concerns that it would reduce the amount of technical sessions and make it hard for people to attend other divisions' papers. The idea for cross-pollination or fertilization at the poster session, on the other hand, is a positive and should be emphasized.
- e) It was noted that dues have increased for 2014.

4. Vice Chair's Report

The Vice Chair provided an update on general ANS National Organization News. Some of the key discussion points were as follows:

- a) ANS National has streamlined the financial side of the society.
- b) ANS National would like to attract other people in the nuclear related fields into ANS (e.g. Military personnel, other corporate entities)
- c) ANS national are working on roadmaps/strategies to keep people involved in ANS (e.g. after a few years of graduating a significant number of students drop out of the society.)
- d) There's a new website: NuclearConnect.org for the Center for Nuclear Science and Technology.
- e) ANS national would like us to engage more in public relations.



- f) ANS National has an IT initiative that includes updating and using newer technology to help with Division and ANSI standards work and will be implemented next fall.

5. Treasurer's Report

In the absence of the Treasurer, the Chair noted that the NCSD Division was in good financial shape with an "Excess Over Budget Funds" figure of \$21,714. The NCSD Dinner was cancelled for this meeting as discussed below in the Honors and Awards Division Committee Section. A discussion about a \$250 outlay to support the young members group is included in the budget but NCSD requested justification for how the money would be used prior to providing it. Allison Miller committed to getting a response and reporting back to the NCSD chair. The budget was approved by email prior to this meeting, however, it was noted again that ANS National indicated potential legal issues with electronic voting at this time and therefore a motion was made to approve the 2014 budget provided as part of Appendix B. The vote resulted in approval without objection. *{Refer to Appendix B for the full Treasurer's Report (including Budget Sheets)}*

There was a comment that the NCSD as a whole consider moving some of our reserves to the scholarship fund. After discussion it was decided that this issue should be considered after we receive money from the topical and potentially ICNC down the road.

6. Division Committee Reports

Program Committee: Allison Miller

Allison noted that the Program Committee had convened immediately prior to the Executive Meeting. A full technical program was planned for this week. It was noted that the sessions this week were moved around into different rooms. She reported that the new online process for assigning rooms and getting our sessions worked well but there were some minor issues. Also one paper on Thursday would not be presented. Additionally, there had been some discussion relating to the proposed Sessions at the 2014 Summer Meeting and the 2014 Winter Meeting.

Endowed Scholarship Special Committee: Deb Hill

The Chair noted that the Scholarship Fund was currently at approximately \$15,715. It was noted that donations are welcomed and tax-free.

Scholarship Committee: Andy Prichard

Andy stated that the committee was looking for more students to apply. Last year was a good year and we always need/want more good applicants.

Education Committee: Katherin Goluoglu

Katherin noted that the Education Committee had convened prior to the Executive Meeting. Some of the key discussion points were as follows:



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- a) There is a white paper out to the executive committee for approval on Integrating NCS into Design.
- b) There is a white paper on NCS Evaluations in revision that will be provided to the Executive Committee shortly.
- c) Other white papers to be reviewed for accuracy and periodic adequacy review requirements.
- d) Consideration by the education committee to look at a future white paper on “Best Practices”.
- e) Planned workshops, tutorials, panels for upcoming conferences
 - i. Chemistry in NCS- tutorial
 - ii. NCS training/staffing/administration- maybe a future panel session?
 - iii. Event Lessons Learned Panel session to start sharing what went wrong and what was done to correct the event.

Membership Committee: Megan Pritchard

Megan noted that she was able to get Canberra to become members of ANS National as well as the NCSD. She mentioned going to Texas A&M to interface with students. Also it was noted that there was a NCSD table at the Monday luncheon in the Expo to recruit and provide information about the Division.

Publications/Newsletter/Web Site: Larry Wetzel

Larry stated that the latest newsletter was sent out, a bit late but it was completed. He stated that there haven't been many changes to the website but that most of the NCSD Topical presentations were there now.

Honors and Awards Committee: Andy Prichard

There was a need for judges for the presentations at this conference. Andy got the necessary volunteers. The NCSD Dinner was cancelled prior to the meeting. There was concern that the government shutdown and recent Topical meeting would have impacted the conference attendance and we would not be able to meet the requirements of 50 people to cover the associated costs. A motion was made and vote resulted in approval without objection to hold a dinner at the June 2014 meeting to present the 2013 awards.

7. NCSD 2013 Topical Meeting

Lon Paulson announced that the NCSD Topical Meeting on “Nuclear Criticality Safety in the Modern Era: Raising the Bar” was very successful {Refer to Appendix C for provided handout}. In summary, the topical meeting was well attended and included significant foreign involvement. The conference made ~\$30,000 of which NCSD will receive ~\$7500. The \$2500 from NCSD was dispersed to seven students to help them with travel and registration cost. Only one student presented but all had a wonderful time.



8. ICNC 2015 Meeting

Bob Busch is the technical chair for the 2015 ICNC in Charlotte, NC. It is scheduled for September 14-18, 2015. He discussed that the conference is in the planning stage and that they are working the paperwork for approvals.

9. ANS Student Conference Presentation

Representatives from the ANS 2014 Student Conference Organizing Committee announced that the next conference on the “Innovations in Nuclear Technology” is scheduled to be held at The Pennsylvania State University in State College, PA from April 3rd – April 6th, 2014. Full details are available on the dedicated website (<http://meetings.ans.org/student2014>). They have a Nuclear Criticality Safety track and are looking for judges.

10. Old Business

John Bess discussed the PHYSOR 2014 meeting scheduled for next September and that there was no intent to step on the toes of NCS. He is the liaison to the meeting and is working on providing a review team including NCS.

11. New Business

The Education Committee has provided a white paper on Integrating NCS into Design to the executive committee for final approval. It was discussed that a one-week review time would be given and then a teleconference would be set up for a vote on approval of the document.

The Education Committee will review and send to the NCS Executive Committee for their review another white paper on nuclear criticality safety evaluations. A vote allowing that paper to be posted on the website for comment is desired as well.

It was discussed that ANS National has standard presentations for education, common discussions and PR aspects on their site. The question was posed if the NCS should also have a standard set of presentations that members could pull from. The thought is that the education committee would review as necessary and then follow the normal approval process to have these added to the NCS website.

It was noted as informational that the Math and Comp. Division topical was going to include a criticality safety track. The discussions were should NCS consider cosponsoring or something else. The decision was to bring it up at the Professional Divisions Committee.

12. Adjourn

The Executive Committee Meeting was adjourned on time at approximately 4:30 pm after a motion was made, seconded and unanimously approved.



APPENDIX A – Attendee Sign-In Sheets for the Executive Committee Meeting (November 2013)

NCS D Executive Meeting Sunday November 10, 2013

Name	Signature	Organization	Email Address
1 Peter Wierwille	<i>[Signature]</i>	Stamps Int	tau@stamps-int.com
2 George Brainerd	<i>[Signature]</i>	—	gbrainer@nrc.gov
3 Richard Taylor	<i>[Signature]</i>	U.S. Engineering	rtaylor@useng.com
4 Robert Burck	<i>[Signature]</i>	UAM	rburck@uam.edu
5 Ramon Shuckelford	<i>[Signature]</i>	NFS	ramonshuckelford@nuclearfuel.com
6			
7			
8			
9			
10			

NCS D Executive Meeting Sunday November 10, 2013

Name	Signature	Organization	Email Address
1 Bob Wilson	<i>[Signature]</i>	ORNL	bob.wilson@ornl.gov
2 Mike Westfall	<i>[Signature]</i>	ORNL	mwestfall@ornl.gov
3			
4			
5			
6			
7			



NCSA Executive Meeting Sunday November 10, 2013

Name	Signature	Organization	Email Address
1 John Miller	<i>[Signature]</i>	Stem Science	johnmiller@stemsci.com
2 Sindi Larson	<i>[Signature]</i>	NSA	sindi.larson@nuclearsociety.org
3 Jason McCall	<i>[Signature]</i>	F-17	mcallsj1@17.af.mil
4 Allison Miller	<i>[Signature]</i>	SUL	amiller@sul.gov
5 Megan Pritchard	<i>[Signature]</i>	NSA	megan.pritchard@nuclearsociety.com
6 John D Bess	<i>[Signature]</i>	ZNL	John.Bess@znl.gov
7 VERA KUCUKBORACI	<i>[Signature]</i>	WEC	kucukboraci@westinghouse.com
8 Thomas M Miller	<i>[Signature]</i>	ORNL	tmiller@ornl.gov
9 Brian Kladovsk	<i>[Signature]</i>	CANL	beklad@ornl.gov
10			
11			
12			
13			
14			
15			
16			
17			



NCSO Executive Meeting Sunday November 10, 2013

	Name	Signature	Organization	Email Address
1	Sande' Larson			
2	Jerry Hicks	<i>Jerry Hicks</i>	USOR/NMISA	jschick@nrc.gov jerry.hicks@aei.com
3	Matthew Golwaglu	<i>Matthew Golwaglu</i>	UF	kgolwaglu@mse.ufl.edu
4	Andrew Pickens		Paul	Andrew.Pickens@Paul.gov
5	Jim Baker	<i>JBaker</i>	SRS	James.Baker@srs.gov
6	Hatice Akhurst	<i>HAKURST</i>	EPRI	hakhurst@epri.com
7	Douglas Bowen	<i>DBowen</i>	ORNL	bowendy@ornl.gov
8	Sedat Golwaglu	<i>Sedat Golwaglu</i>	UF	GOLWAGLU@MSE.UFL.EDU
9	Walter Heston	<i>Walter Heston</i>	COAST	w.heston@coast.mil.com
10	Chris Hought	<i>CHought</i>	B-W HQ	h7c@llnl.gov
11	H. K. Pordis	<i>H.K. Pordis</i>	ORNL	hpordis@ornl.gov
12	Ken Paulson	<i>Ken Paulson</i>	ORNL	ken.paulson@ornl.gov
13	Tim Mohrman	<i>Tim Mohrman</i>	ANL	tim.mohrman@anl.gov
14	Adolf S. Garcia	<i>Adolf S. Garcia</i>	INL - DOE	garciaad@inl.doe.gov
15				
16				
17				

Those that Called in:
 Ellen Saylor
 Larry Wetzel



APPENDIX B – Treasurer’s Report

1. The Financial Statement provided by ANS Headquarters for the period from 1st January 2013 up to 30th August 2013 is shown as Exhibit One, with the detailed breakdown of individual items shown in Exhibit Two. The sole two changes since the Statement provided at the Summer Meeting are:
 - An increase in the 2013 Division Membership Allocations from \$607 (at the end of April 2013) to \$1213 (at the end of August 2013);
 - An outlay of \$55 for the Crown Trophy.
2. The “Excess Over Budget” Funds as of 31st August 2013 stands at \$21,714.
3. The proposed budget for the 2014 Calendar Year was endorsed by the NCSA Executive Committee in August 2013, but is included in Exhibit Three for information.



EXHIBIT ONE – Main Financial Statement for Period Up Until 30th August 2013

PAGE 1		AMERICAN NUCLEAR SOCIETY DIVISION FINANCIAL REPORT 8/31/2013		
NUCLEAR CRITICALITY SAFETY DIV.				
	BUDGET 12 MONTHS 2013	ACTUAL 8 MONTHS 2013	PAGE 2 REF.	
REVENUES				
2013 MEMBER ALLOCATION	1,700	1,213		
DIVISION INCOME 2013	0	0	1	
Committed funds (scholarship)	0	0		
TOTAL REVENUES	<u>1,700</u>	<u>1,213</u>		
EXPENSES				
NEWSLETTERS		0	2	
AWARDS, PLAQUES	1,100	55	3	
NATIONAL MEETING COSTS	250	0	4	
DIVISION OFFICER EXPENSE	0	0	5	
STUDENT SUPPORT	4,450	4,450	6	
SCHOLARSHIP/NEED FUNDING	3,000	0	7	
OTHER EXPENSES	500	13	8	
TOTAL EXPENSES	<u>9,300</u>	<u>4,518</u>		
NET SURPLUS/(DEFICIT)	<u>(7,600)</u>	<u>(3,305)</u>		
FUND BALANCE 1/1/13	<u>25,019</u>	<u>25,019</u>		
FUND BALANCE 8/31/13	<u>17,419</u>	<u>21,714</u>		



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EXHIBIT TWO – Detailed Breakdown of Main Financial Statement

PAGE 2	AMERICAN NUCLEAR SOCIETY DIVISION FINANCIAL REPORT 8/31/2013
NUCLEAR CRITICALITY SAFETY DIV. 043100	
1. DIVISION INCOME	
	<u>0</u>
2. NEWSLETTERS	
	<u>0</u>
3. AWARDS, PLAQUES CROWN TROPHY	55
	<u>55</u>
4. NATIONAL MEETING COSTS	
	<u>0</u>
5. DIVISION OFFICER EXPENSE	
	<u>0</u>
6. STUDENT SUPPORT	
SUPPORT STUDENT CONF '13 M.I.T.	700
STUDENT SUPPORT NCSD TOPICAL	2500
STUDENT TRAVEL NAT'L MTG	1250
	<u>4450</u>
7. SCHOLARSHIP/NEED FUNDING	
	<u>0</u>
8. OTHER EXPENSES	
JANUARY USPS POSTAGE	13
	<u>13</u>



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EXHIBIT THREE – Approved Budget for the 2014 Calendar Year

	2013 Actual through 4/30/13	2013 Budget	2014 Proposed
Balance Forward from Previous Year	\$25,019	\$25,019	\$21,163
Budget Funds			
Member Dues Allocation (\$2/member)	\$607	\$1,700	\$1,768
Division Income	---	---	\$4,000
Total Income	\$607	\$1,700	\$5,768
Budget Expenses			
Newsletters, Website	\$0	\$0	\$0
Awards & Plaques	\$0	\$1,100	\$1,100
National Meeting Costs	\$0	\$250	\$250
Topical Meeting Costs	\$0	\$0	\$0
Division Officer Expenses	\$0	\$0	\$0
Student Support	\$4,450	\$4,450	\$1,950
Scholarship/NEED Funding	\$0	\$3,000	\$3,000
YMG Support	---	---	\$250
Other Expenses	\$13	\$500	\$500
Total Expenses	\$4,463	\$9,300	\$7,050
Net	(\$3,856)	(\$7,600)	(\$1,282)
Total Year End Funds	\$21,163	\$17,419	\$19,881



APPENDIX C – NCSD Topical Meeting Report Handout

NCSD2013 REPORT OUT TO NCSD EXECUTIVE COMMITTEE

NOV. 10, 2013

NCSD2013 Summary Report

The ANS Wilmington Area Local Section was proud to host the once-every-four-year, Class I, Stand Alone Topical event held by the ANS Nuclear Criticality Safety Division September 29-October 3, 2013. The chosen theme was entitled, "Criticality Safety in the Modern Era: Raising the Bar". The web site developed for the Topical is available via www.ncsd2013.org.

The NCSD2013 organizing, technical program and technical review committee members delivered an outstanding conference to promote and advance the field of nuclear criticality safety. In addition to a SCALE Tutorial Sunday afternoon, a total of 73 papers were presented in 7 **single track** AM/PM sessions as shown in Figure 1 conference schedule.

	Sunday 9/29	Monday 9/30	Tuesday 10/1	Wednesday 10/2	Thursday 10/3
8:00		Opening	Methods II	Programs / Training / Risk Assessment / Post-Fukushima	
8:30		Keynote/Plenary			
9:00		Methods I			
9:30		AM Break*	AM Break	AM Break	AM Break
10:00					
10:30		Methods I	Methods II	Programs / Training / Risk Assessment / Post-Fukushima	Methods III
11:00					
11:30		Lunch Break*	Lunch Break	Lunch Break	Lunch Break
12:00					
12:30		Analysis & Experiments I	Analysis & Experiments II	Criticality Accidents and Response	Buses Leave
13:00					
13:30	SCALE Tutorial	PM Break*	PM Break	PM Break	Brunswick Plant Tour
14:00					
14:30		Analysis & Experiments I	Analysis & Experiments II	Criticality Accidents and Response	
15:00					
15:30		NCSD Exec. Committee Mtg.			
16:00			Cocktail Hour at Wilmington Convention Center		
16:30			Banquet at Wilmington Convention Center with Keynote Speaker (GEH/GNF sponsors)		
17:00					
17:30	Sunday Evening Welcome Reception at the Hilton				
18:00					
18:30					
19:00					
19:30					
20:00					
20:30					

Figure 1. NCSD2013 Conference Schedule

The **plenary speakers** included:

- Calvin Hopper (Honorary Chair) – "The Role of Administration in Nuclear Criticality Safety"
- Dick Malenfant – "An Historic Perspective: The Real Basis of Nuclear Criticality Safety"

A total of ~ 142 registered attendees participated. Broad **domestic participation** included EPRI, B&W Y-12, ORNL, AECL, USDOE, AREVA, USEC, PSC, LANL, UNM, GE Hitachi., NFS, NSA, SAIC, SANDIA, Spectra Tech, LLNL, Babcock, Sigma Science, Novare Solns., Bettis, URS, USNRC, NC State, Univ. of FL, Univ. of Tenn., Univ. of Mich., Univ. of NM, and Cape Fear Comm. College.



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NCSD2013 REPORT OUT TO NCSD EXECUTIVE COMMITTEE

NOV. 10, 2013

International participants were in attendance representing France, China, Canada, Sweden, the United Kingdom, Belgium, Finland, Germany, and others.

The Tuesday banquet dinner was sponsored by GEH and **Kevin Walsh** (GEH Sr. Vice President) was the invited speaker who shared some fuel cycle experiences and "Raising the Bar" efforts at GEH.

Regarding publications –150 program booklets and 200 CDs were published (extra 50 CDs were sent to ANS HQ for future sales). The NCSD division website will include presentations for those submitting "consent" forms.

A total of 32 participated in the onsite GNFA fuel fabrication facility tour. We had 15 people attend the Brunswick plant tour. At the **hotel** we had about 490 room nights booked. Our contractual requirement was 320 and the room block was 375 room nights. We also met our food and beverage for the conference hotel ~\$15.8K expenditures.

Financially, NCSD2013 turned out in the "black" column; with ~\$100k total revenue; ~\$70K expenses; leaving ~\$30K anticipated "profit" for ANS HQ (50%), NCSD (25%), WALs (25%) distribution.

In summary, numerous positive comments were received about the overall accommodations and execution of NCSD2013. A sincere **thank you** goes out to all who contributed and participated to the success of 2013 NCSD Topical !

Regards,

Lon E. Paulson
NCSD2013 Topical
Technical Program Chair

