

**Minutes of the August 2012 ANS Fusion Energy Division
Executive Committee Meeting**
August 26, 2012, 4:30 to 6:00 pm CDT (Central Daylight Time)
Hutton Hotel, West End Ballroom, Nashville, TN

DETAILED MEETING MINUTES: (see Attachment 1 for Agenda)

Item #1: Call to order ~4:30 pm Nashville TN

In attendance:

Stephen Combs – Secretary/Treasurer
Minami Yoda – Chair
Susana Reyes – Vice Chair/Chair elect
Lee Cadwallader – Past Chair
Arnie Lumsdaine – Executive committee member
Jacob Leachman – Executive committee member
Juergen Rapp – Executive committee member
Yutai Katoh – Executive committee member
Mark Tillack – Executive committee member
Nermin Uckan – Editor (Fusion Science and Technology Journal)
Laila El-Guebaly – Editor (FED Newsletter)
Ahmad Ibrahim – ANS member
Joe Rustick – Vanderbilt student/President ANS Student Chapter

Phone

Even though it was available by WebEx, there was no remote participation.

By Proxy Vote – arranged by Minami Yoda/Lee Cadwallader

Rene Raffray
Paul Humrickhouse
Satoshi Konishi

Item #2 Summer/June meeting Minutes (Combs)

Summer meeting minutes (June 24, 2012) were sent out, approved by e-mail vote, then were sent to ANS headquarters in mid-August and put on the division webpage by Mark Tillack. A useful spreadsheet developed by the previous secretary/treasurer (Mark Anderson) was presented by his replacement (Stephen Combs). It lists all of the officers, executive committee members, past Chair, and other ANS members serving a key role for the ANS Fusion Energy Division, including email addresses and other pertinent information. During the review of the document, Nermin Uckan agreed to serve as the FED Representative on the ANS Publications Committee. In view of George Miley's recent retirement, Mark Tillack agreed to become the ANS FED liaison to IEEE. A few other corrections were made in situ, and this document will be further updated and

distributed to all the members listed on it. We will try to keep this updated as things change.

Item #3 Treasurer's Report (Combs)

Current Status of 2012 budget

In 2012 we carried over \$48,268 in funds from 2011. We have currently received \$1794 in member allocation fees (\$2/member, up slightly from 2011), for a total budget of \$50,062. Our current expenses as of June 30, 2012 (the last official report provided from ANS national) were \$891, including \$500 support to the 2012 Annual Student Conference, \$300 for student travel support to national meetings, and \$91 for awards and plaques. This indicates that there is a total of \$49,171 in the budget. However, since the last report, I have processed the form to make our annual NEED scholarship contribution of \$500, leaving actually \$48,671 in the budget as shown below. On a very positive note, the funds typically provided for TOFE awards in the even years will be covered by the meeting revenues this year (maximum possible total of \$4500, including \$1500 allocated for two professional awards and one student award at \$500 each and \$3000 for six \$500 student travel assistance awards – only one professional award given this year for a total of \$4000). We should thank the TOFE organizing committee (especially Arnie Lumsdaine) for this “windfall.”

Budget funds								
Year	2010	2011	2012	2013 est.	2014	2015	2016	Comments
Carry forward	17,485	38,416	48,268	48,671	56,871	56,071	55,271	
Member allocation	1658	1780	1794	1600	1600	1600	1600	member allocation funds
Division income	23,479	10523	0	9000	4500	0	0	ANS gives the FED \$30/published TOFE paper at embedded TOFEs. Assume 19 th TOFE is embedded. \$19,114.11 from 2008 TOFE received in 2010. Assume profit from 2010 TOFE at \$4500 and \$9000 from 2012 received in 2013
Total budget	42,622	50,719	50,062	59,271	62,971	57,671	56,871	
Budget expenses								
Newsletters	0	0	0	0	0	0	0	
Awards, plaques	55	59	90.59	0	1500	0	1500	TOFE years, 2 Prof. awards + 1 Student paper award.
National meeting costs	324	1008	0	600	600	600	600	Est. \$300 per phone setup at June and November ExComm meetings- \$450
FED officer expenses	0	0	0	0	0	0	0	
Student support	3,300	800	800	800	3800	800	3800	TOFE years have 6 x \$500 for fusion student travel assistance. Donate \$300 to nuclear student travel support to ANS Winter Meetings. For student conference support \$500
Scholarship/ NEED funds	500	500	500	500	500	500	500	Typical \$500 NEED donation yearly.
Other expenses	27	84	0	500	500	500	500	\$500 "other expenses" are rarely used. 2007 was Landis Challenge II support for a teacher workshop at the June 2007 ANS Summer Meeting. 2011 has earmark for held for scholarship funds
Total expenses	4,206	2,451	1,391	2,400	6,900	2,400	6,900	
Closing balance	38,416	48,268	48,671	56,871	56,071	55,271	49,971	

Item #4 FED Publications

4.1 Newsletter (El-Guebaly)

Laila El-Guebaly gave an update on the next Newsletter, and some excellent discussions followed.

4.2 Fusion Science and Technology update (Uckan)

Nermin Uckan mentioned that 20 TOFE papers had already been entered into the online system and that the deadline had been extended from August 31 to September 15. The deadline has since been extended to September 30, which is one month after the meeting. Nermin gave a report on the overall status of the Fusion Science and Technology journal, and the refereeing process for TOFE papers as opposed to solo submissions directly to the journal. The same high standards apply for all submissions, with the TOFE papers fast-tracked somewhat since a significant number of referees are suggested by the Session Chairs at the meeting. In the end, Nermin and her staff make all final decisions on referees. Lee Cadwallader pointed out that ANS members should encourage subscriptions by organizations to the Fusion Science and Technology, and a message to this effect will be included in the next FED Newsletter. Other options to further promote *FS&T* were also discussed.

Item #5 Student related Items

As related by Lee Cadwallader, the ANS 2013 Student Conference will be held in Cambridge, MA by the Massachusetts Institute of Technology (MIT) student section (April 4-6, 2013; MIT Conference Website: <http://meetings.ans.org/student2013/>). Representatives for this meeting attended the ANS FED Executive Committee meeting in Chicago in June, and requested that the FED support this meeting.

**Move to vote on supporting this student meeting with \$500.
Support for the meeting with \$500 was approved unanimously.**

Joe Rustick, the president of the Vanderbilt ANS Local Student Chapter, who should be commended for their support of the 20th TOFE, was a visitor at this executive committee meeting.

Item #6 Conferences

6.1 Update on 20th TOFE (Lumsdaine)

TOFE
The Hutton Hotel in Nashville, TN
August 27-31, 2012

REALIZING NEW TECHNOLOGIES FOR THE AGE OF FUSION ENERGY

ANS 20th Topical Meeting on the Technology
of Fusion Energy – TOFE-2012

The TOFE meeting provides a forum for sharing the exciting progress made in fusion research as well as presenting future plans for national and worldwide fusion programs

Arnie gave a brief summary of the key issues that were somewhat unique to organizing TOFE and other meetings held in the same time frame. Recent changes of personnel in the ANS national office and in the DOE rules/regulations for attendance of such meetings presented new obstacles for those organizing the meeting (especially Arnie and his main team). However, the meeting was a great success based on all comments from attendees during the week of the meeting. Arnie gave special recognition and thanks to the local Vanderbilt ANS student chapter for providing outstanding support for TOFE, especially Joe Rustick (present at this meeting), Bethany Smith, and Lyndsey Morgan. After Arnie's summary, the FED Chair (Minami Yoda) then thanked Arnie for his outstanding job and major role in organizing/managing TOFE 2012.

6.2 Discussion of 21st TOFE (Yoda)

Minami Yoda reported on the status of the 2014 TOFE, which will be an embedded meeting held in Anaheim, CA, November 9-13. The organizing committee is still being assembled, but Brian Wirth of the University of Tennessee-Knoxville and ORNL will be the General Chair, and Jake Leachman will be the Publications Chair with Lee Cadwallader serving as co-Publications Chair.

6.3 Discussion of ANS FED Level IV sponsorship of the 11th International Conference on Tritium Science and Technology (Reyes)

Susana Reyes led a discussion on this meeting and the possibility of having the FED sponsor the 2016 Tritium Conference (to be held in San Francisco, CA), including what level of sponsorship it should be. Susana has already consulted with the local (Northern California) ANS chapter, and they also are interested in sponsoring it. During the discussions it was mentioned that when this conference has taken place in the US in the past it has always been a class I type of sponsorship (same as a stand-alone TOFE). That agrees with the conference organizers expectations.

Move to vote on proposing that the 11th International Conference on Tritium Science and Technology be a class I sponsored ANS meeting at the ANS Winter Annual Meeting in San Diego.

This action was approved unanimously.

Thus, it was agreed by the Executive Committee that the FED should propose that this meeting be a class I ANS meeting at the Winter Annual Meeting this November, and start working on calendar placement and preparatory paperwork. Susana also suggested that given that the location of the (standalone) TOFE in 2016 location has not yet been decided, it could be a good idea to make a joint TOFE-Tritium 2016 meeting as there is considerable overlap between some of the, increasing attendance at both meetings. The Executive Committee thought that this was a great idea, so Susana will contact the Tritium conference organizers to see if this is of interest to them as well.

Item #7 FED Slate of Candidates for the 2013 election (Cadwallader)

Lee Cadwallader pointed out that the FED has two-year terms for the officers, so no officer candidates are needed for the 2013 election. However, the terms of three Executive Committee members will be expiring in 2013, specifically:

Paul Humrickhouse (INL)
Keith Rule (PPPL)
Mark Tillack (UCSD)

Possible candidates for these three seats were discussed. After discussion, the following list of five candidates were approved by the Executive Committee:

Kelsey Tresemer, engineer at PPPL, ktreseme@pppl.gov
Ahmed Hassenein, Professor at Purdue, hassanein@purdue.edu
Darius Lisowski, NE graduate student at UW-Madison, dllisowski@wisc.edu
Ahmad Ibrahim, engineer at ORNL, ibrahimam@ornl.gov
Kevin Kramer, engineer at LLNL, kramer@llnl.gov

**Move to vote on approving this list of candidates.
List of candidates were approved unanimously.**

Lee Cadwallader will transmit the slate of candidates to ANS HQ for the next election.

A brief discussion on the ANS Young Members Group followed with possible ways to get more young ANS members and to get them actively involved in FED activities. Toward this objective, Minami Yoda and Lee Cadwallader had already contacted Ahmad Ibrahim about acting as the Liaison to the Young Members Group (YMG), and he welcomed the opportunity.

**Move to vote on approving Ahmad Ibrahim for the Liaison to YMG.
Ahmad Ibrahim was approved unanimously.**

Item #8 FED Awards (Najmabadi)

Professional recognition has traditionally been important to the TOFE meeting. The ANS-FED typically offers three awards to provide technical recognition in the fusion area. These are the “Best Student Paper Award,” the “Outstanding Technical Accomplishment Award,” and the “Outstanding Achievement Award.” Farrokh Najmabadi, Chair of the Honors and Awards Committee, was not able to attend this executive committee meeting, and Minami Yoda led discussions on this topic based on a report from Farrokh.

8.1 Update/Discussion on Outstanding Student Paper Awards

Minami Yoda indicated that she would ask members of the Executive Committee for their help in evaluating the presentations of the candidates for the Outstanding Student Paper Award. The award later went to Lauren Garrison from the University of Wisconsin.

8.2 Update on professional awards

Minami Yoda informed the meeting attendees that only one of the professional awards would be given out at TOFE this year due to a lack of nominations. The Outstanding Technical Accomplishment Award “for recognition of a specific exemplary individual technical accomplishment requiring professional excellence and leadership of a high caliber in the fusion science and engineering area” was not given this year. A lively discussion followed on this topic and the possible reasons for the low number of submissions for such prestigious awards. Laila El-Guebaly pointed out the possibility of promoting award nominations by highlighting these in publications such as the Newsletter and/or at the research institutions and universities.

The Honors and Awards Committee nominated Prof. Akio Sagara of the National Institute of Fusion Science (Japan) for the Outstanding Achievement Award “for recognition of a continued history of exemplary individual achievement requiring professional excellence and leadership of a high caliber in the fusion science and engineering area.”

Move to vote on approval of nomination.

The Executive Committee voted unanimously to approve this nomination.

8.3 Discussion of Honors and Awards Committee membership

There is nothing significant to report.

Item #9 Summary of decisions made “on-line” since last meeting (Yoda)

There is nothing significant to report.

Item #10 New Business (all)

The new Chair (Minami Yoda) and past Chair (Lee Caldwell) discussed the status and issues of establishing an ANS FED scholarship once the budget balance is >\$60 K. The possibility of accepting donations to help fund the scholarship was brought up. This will be a topic for future discussions.

Item #11 Closed meeting (Yoda) ~ 6:15 pm Nashville TN

Attachment 1

Agenda:

1. Call to Order (Yoda)
2. Discussion of Summer Meeting Minutes (Combs)
3. Treasurer's Report (Combs)
4. FED Publications
 - 4.1 Newsletter (El-Guebaly)
 - 4.2 Fusion Science and Technology journal (Uckan)
5. Student-related items
 - 5.1 FED support to the 2013 ANS Student Conference (Yoda)
6. Conferences
 - 6.1 Update on 20th TOFE (Lumsdaine)
 - 6.2 Discussion of 21st TOFE (Yoda)
 - 6.3 Discussion of ANS FED Level IV sponsorship of the 11th International Conference on Tritium Science and Technology (Reyes)
7. FED Slate of Candidates for the 2013 election (Cadwallader)
8. FED Awards (Najmabadi)
 - 8.1 Update/Discussion on Outstanding Student Paper Awards
 - 8.2 Update on professional awards
 - 8.3 Discussion of Honors and Awards Committee membership
9. Summary of decisions made "on-line" since last meeting (Yoda)
10. New Business (all)
11. Close meeting (Yoda)