

ANS Fusion Energy Division
Executive Committee Meeting Agenda
Sunday, November 13, 2005, 3:00-5:00 pm EST
Congressional B room, Omni Shoreham Hotel
Washington, DC

Members attending: Said Abdel-Khalik, Lee Cadwallader, Ken Schultz, Paul Wilson

Members attending by telecon: Jeff Latkowski, Jake Blanchard, Minami Yoda, Roger Stoller, Gianfranco Federici

Members not attending: Neil Morley, Farrokh Najmabadi, Akio Sagara, Phil Sharpe

FED Members and Guests attending: Nermin Uckan; Kathy McCarthy; Charles Martin; Paul Kollath-Romano, Rian Bahran, Joseph Fricano, and Aaron Kendall from RPI; and Kevin Connelly and Geoffrey Carter from Georgia Tech.

FED Members attending by telecon: Laila El-Guebaly.

1. Said Abdel-Khalik called the meeting to order at 3:05 pm.
2. Lee Cadwallader noted that Jeff Latkowski had the minutes of the June 2005 meeting approved via e-mail and had turned the minutes in to ANS headquarters as Jeff's final task as secretary/treasurer.

Rian Bahran addressed the committee. Rian is the Chair of the 2006 ANS Student Conference, which has the theme "Nuclear Power, Look into the Future". The conference will be held at Rensselaer Polytechnic Institute (RPI), Troy, NY, on March 30 to April 1, 2006. Rian was seeking any advice and recommendations that we could offer, as well as judges for student papers and perhaps a speaker to discuss fusion power as a future energy source. Ken Schultz gave the suggestion that Rian could have Dr. Don Steiner at RPI speak on fusion; however, Rian wished to have someone from a different organization, outside of RPI, speak at the Student Conference. Lee Cadwallader suggested that Rian contact Dr. Theron Marshall of the INL, who is a fusion researcher and RPI graduate.

Paul Kollath-Romano addressed the committee. He is the treasurer of the upcoming 2006 ANS Student Conference and asked the FED Executive Committee to consider a contribution to financially support the Student Conference. He stressed that we can specify an amount and how it is to be used if that is more acceptable to the committee. Said asked for a motion to support the student conference, it was seconded and unanimously approved by the Committee. Traditionally, we have supported the Student Conferences and we have not stipulated any restrictions on use of the funds. Lee Cadwallader will disburse \$500 to the 2006 ANS Student Conference.

3. Lee Cadwallader gave the Treasurer's Report (see attached pages). The report was approved and Lee will submit the 2006 budget to ANS headquarters. Ken Schultz commented that if the FED is as well financially as it appears, then perhaps the committee could consider increasing either the number of students supported or per-student amount of sponsorships for students to attend fusion meetings. Nermin Uckan, editor of the Fusion Science and Technology journal, raised an important point about the future FED budget and the revenue from the fusion conferences. She stated that when a Topical Meeting on the Technology of Fusion Energy (TOFE) is embedded in an ANS National Meeting, the journal loses money on publishing and mailing the meeting proceedings to TOFE attendees. The journal must pay to publish the proceedings and ANS HQ does not underwrite the costs. In stand-alone TOFE meetings, the publication cost is included as part of the meeting finances and the journal either breaks even or makes a very modest profit in publishing the proceedings for the TOFE attendees. A suggestion was made to have both contributing and invited authors pay [for example, \$30/page] for publishing in FS&T during embedded TOFEs to cover the cost of printing and mailing the proceedings to attendees so that the journal can remain solvent, because ANS requires each of its journals to be self-sufficient. Jake Blanchard will bring this issue up at the Professional Divisions meeting on Tuesday, November 15th. Nermin stated that if there is, for example, a 5-page limit on contributed papers, then the set fee is charged per page up to 5 pages, and the customary \$100/page for each page over that number. The same charges would apply for the invited papers except that they have a higher page limit. Said Abdel-Khalik requested a motion to set up a reasonable page charge to cover the journal costs of publishing and distributing proceedings; it was moved, seconded and unanimously voted. A stipulation was added by Laila El-Guebaly that if the TOFE organizers could obtain corporate, foundation, or other contribution funding to pay for journal proceedings publishing and distributing to TOFE attendees, then authors would not be assessed any publication fees during embedded TOFE meetings.

4. Said Abdel-Khalik began a discussion about the Working Group (WG) and Technical Group (TG) procedures the committee has reviewed for this meeting. These procedures were viewed as overly restrictive, making it very difficult to start either a WG or a TG. The consensus opinion among the committee was that the procedures were far too onerous, giving the 18 ANS Divisions too much power to veto a new WG or TG. The FED will not approve these procedures. The FED ExComm agreed to instruct Jake Blanchard to vote 'nay' on the WG and TG procedures at the Professional Divisions meeting on November 15th.

5.1 Laila El-Guebaly discussed the FED newsletter. The December 2005 newsletter draft was sent out to the Executive Committee and authors of newsletter articles on November 10, 2005. Comments and revisions are due back by Thanksgiving and the Newsletter will be distributed by early December. Said Abdel-Khalik stated that Laila has the appreciation of the Executive Committee for the continuous outstanding job she has done on the newsletter. Laila thanked him and added that since she does not have direct access to the FED web site, she will send the newsletter to Mark Tillack, the webmaster, who will post it on the web site. Said agreed that this is a workable path.

5.2 Nermin Uckan reported that the Fusion Science and Technology journal is doing well in terms of articles submitted. There are several special issues planned. She has submitted an article about the journal to the FED newsletter that will be distributed in December.

6. Said Abdel-Khalik stated that ANS HQ has requested that each Division financially support student attendance at ANS National Meetings. The FED has not funded such student support in the past. The FED rationale has been to support fusion students to attend fusion meetings. We support FED-related students to attend TOFE meetings, and sometimes TOFE meetings are embedded in national meetings. A motion was made that we affirm that the FED targets its student contribution funds to fusion-related activities. The motion was seconded and unanimously voted in that the FED will support fusion students to attend fusion meetings.

7.1 Jake Blanchard gave the TOFE update. The 17th TOFE meeting web site is nearly ready. They have begun negotiating with the ANS conference Chair about meeting rooms. There are no session chairs yet, even though the ANS Screening Committee wishes to see the session chair list early. Perhaps by previous TOFE standards, this meeting committee is a bit slow but they are responsive and are catching up with the meeting details.

7.2 Nermin Uckan had news of the 21st Symposium on Fusion Engineering (SOFE) that was held on September 22-26, 2005. There was a 40 to 50% increase in attendance over the 2003 SOFE in San Diego. Nermin speculated that perhaps fusion is flourishing, or that people like to visit Knoxville more than San Diego. There were 249 abstracts submitted and 230 papers presented at the SOFE. There were 240 registered attendees, 15% of those were students. The proceedings will be distributed by compact disk only, and will be rather fast – distributed this calendar year as opposed to waiting nearly 1 year for a bound paper copy of the proceedings. The next SOFE will be “co-located” with the 34th International Conference on Plasma Science (ICOPS) in Albuquerque, in June 2007. The 21st SOFE was a success – the organizing committee had planned for 125 attendees and enjoyed twice that number.

8. Jake Blanchard stated that the FED Program committee has little to report at this time. There should be an FED sponsored session at the June ANS summer meeting. The committee will have a program meeting after the upcoming TOFE meeting.

9. Jeff Latkowski addressed the Standard or Model Bylaws issue. The benefit of having a standardized set of Bylaws is that they will be concise, streamlined, and consistent across the Professional Divisions (PDs). Each PD can then make Division Rules to tailor to its own needs. The standardized Bylaws have been in writing for over 3 years. At this time, the Bylaws section 13 on dissolution of a PD requires more information since it is sparse and vague. ANS HQ had added some information but it was not self-consistent about who has the authority to dissolve a PD. The standardized Bylaws will not be presented to the ANS Board at this November 2005 meeting, so the FED committee has

no action at this time to vote on these Bylaws. The ANS bylaws committee will further revise the Bylaws and they intend to present the revision to the Board in approximately 3 months. The negative aspect of having standardized Bylaws is that the PD's cannot easily change the Bylaws and will operate with Division Rules instead.

10. Jake Blanchard commented on the Nominations Committee, which is comprised of himself, Paul Wilson and Lee Cadwallader. The Nominations Committee has this list of candidates for the spring election:

Vice Chair: Susana Reyes (LLNL)

Executive Committee (3 members to be elected):

Mark Anderson (University of Wisconsin-Madison)

Ben Cipiti (Sandia National Laboratories - Albuquerque)

Brad Nelson (Oak Ridge National Laboratory)

Shahram Sharafat (UCLA)

Brian Wirth (UC Berkeley)

A question was raised that Brad Nelson is not currently an ANS member; however, he has agreed to join for 2006. Said called for a motion to accept the slate of candidates, a motion was made and seconded. The committee voted unanimously to accept the slate of candidates. Jake Blanchard will forward the list of candidates to ANS HQ and submit a short article to Laila El-Guebaly for the December newsletter.

11. Said Abdel-Khalik discussed that there are two packages being prepared for submittal of two FED members to be considered as candidates for the position of ANS Fellow. Any other discussion would be premature at this time.

12. Ken Schultz commented on progress on forming a Technical Group on Nuclear Production of Hydrogen. This was proposed in June 2005. The proposal failed for a number of reasons, including several of the 18 PD's vying to be the sponsors of the TG. Ken has revised the approach to organize a WG under the Environmental Sciences PD. The main motivator to have a Working Group is to have the sponsorship of the ANS when approaching other organizations, such as the National Hydrogen Association.

After discussion, The FED ExComm agreed to instruct Jake, who will represent the FED during the ANS winter meeting, to state that the FED wishes to support the hydrogen WG but not sponsor it and to vote aye on a hydrogen WG formed under the Environmental Sciences PD.

13. Ken Schultz commented on the library subscriptions to Fusion Science and Technology. Subscriptions were noted to be decreasing at the June 2005 FED committee meeting. Ken stated that finding out which libraries have dropped subscriptions is not a simple task because there are "consolidator" companies that purchase the FST subscription and then offer subscriptions to libraries. Thus, ANS HQ does not have a simple list of subscribers and "consolidator" companies are unwilling to divulge client

names. Paul Wilson stated that some university libraries are able to order technical articles for very inexpensive rates (e.g., \$2.00 per article) and are not purchasing subscriptions. Ken stated that we must address the shift from traditional paper journals to electronic “article by article” users if that is the future trend. Nermin Uckan stated that FS&T is available electronically back to mid-1997. Ken suggested submitting an article in the FED newsletter in 2006 to ask FED members to please verify that their libraries subscribe to FS&T. Ken will write that article.

14. Said Abdel-Khalik summarized the decisions made since the June 2005 meeting. He appointed Jake Blanchard to lead the nominations committee with the approval of the executive committee. The officers declined a request for monetary support from the ICFRM12 meeting organizers. There was a question from Roger Stoller on why the FED turned down this request when we are well off financially. The ICFRM is not associated with ANS (Kathy McCarthy pointed out that ANS has stated that it participates in the ICFRM as a Class 4 meeting, meaning only a very low level of participation). The ICFRM publishes in a for-profit journal, the Journal of Nuclear Materials, which is run by Elsevier, and the conference fees for that meeting are premium amounts. For these reasons the funding support request was declined.

15. Said Abdel-Khalik asked the committee if there was any other business. Kathy McCarthy raised a question - who is the FED liaison to the ANS Board? The response was that we believed she was our liaison. She stated she is not our official liaison, but she will determine who is and communicate that information to Said. Aaron Kendall (an RPI undergraduate) volunteered to be our liaison to the Young Members group. In another matter, Nermin Uckan stated that there is only one Information Technology (IT) person on the ANS permanent staff and that ANS needs to boost this up to be more vigorous in the IT area, to make the web site more useful and more competitive with other societies.

16. Said Abdel-Khalik adjourned the meeting at 4:46 pm.

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Preliminary Agenda November 7

1. Call to order – S. Abdel-Khalik
2. June 2005 FED ExecComm meeting minutes – L. Cadwallader
3. Treasurer’s report – L. Cadwallader
4. Discussion of ANS Draft Procedures for Establishing a TG and WG – S. Abdel-Khalik
5. FED Publications:
 - 5.1. Report on newsletter – L. El-Guebaly
 - 5.2. FS&T journal update – N. Uckan
6. Student travel support to TOFEs and “off-year” National Meetings – S. Abdel-Khalik
7. Conferences:
 - 7.1. Update on the 17th TOFE – C. Olson
 - 7.2. News of the 21st SOFE – N. Uckan
8. FED program committee – J. Blanchard
9. Discussion of standard bylaws – J. Latkowski
10. FED nominations committee progress / Slate of Candidates – J. Blanchard
11. Update on FED nominations for ANS Fellows – S. Abdel-Khalik
12. Petition to form Technical Group on nuclear production of hydrogen – K. Schultz
13. Report on progress with increasing subscriptions to FS&T – K. Schultz
14. Summary of FED decisions made "on-line" since last meeting – S. Abdel-Khalik
15. Other business
16. Adjournment

Treasurer's Report. Lee Cadwallader, Idaho National Laboratory, Idaho Falls, ID

As of the end of September 2005, our division had a balance of \$19,754.00. Income in 2005 included \$767 from the \$1 membership dues (note: our division membership increased 2.4%, from 749 members in 2004 to 767 members in 2005), and \$8,999 from the 16th TOFE conference that was held in 2004. Expenses prior to the end of September included \$220 for the telephone line at the June 2005 meeting, \$250 for support of one student at the 2005 Student Conference in June, and a \$550 contribution to the Landis Challenge, placed in June 2005.

The projected balance for the end of December 2005 is \$19,454.

Division income in 2006 is projected to be ~ \$670 from membership dues. There will be a TOFE held in late 2006 but the Division will not receive any profits from that meeting until 2007 when the meeting account is settled.

Projected 2006 expenses total \$6,100. Expenses include \$2,000 for awards and plaques, \$600 for telephone lines to conduct Division business during ANS National Meetings, \$2,500 for student travel support to the TOFE and one Student Conference, a \$500 contribution to the ANS NEED scholarship, and \$500 for miscellaneous expenses. These expenses are outlined below:

- \$2,000 for three \$500 awards at the 17th TOFE and \$500 for a set of 20 plaques;
Best Student Paper, Outstanding Achievement, and Outstanding Technical
Accomplishment awards, and enough plaques to last several years
- \$600 for setting up two phone-in lines at FED meetings
- \$2,500 for student support; 5 students @ \$400 each for the TOFE and a \$500
contribution for general support of the annual Student Conference
- \$500 for a standing donation to ANS, such as NEED scholarships, Landis challenge, etc.
- \$500 for other expenses – always included but rarely used during the year

The projected balance at the end of 2006 is \$14,024.

Fusion Energy Division Proposed 4-year Rolling Budget				
	Budget 2006	Budget 2007	Budget 2008	Budget 2009
Income (\$)				
Balance forward	19,454	14,024	21,594	16,664
Member allocation	670	670	670	670
Division income	0	8,500	0	8,500
Total income	20,124	23,194	22,264	25,834
Expenses (\$)				
Newsletter expenses	0	0	0	0
Awards, plaques	2,000	0	1,500	0
Meeting costs	600	600	600	600
Officer expenses	0	0	0	0
Student support	2,500	0	2,500	0
NEED or other funding	500	500	500	500
Other expenses	500	500	500	500
Total expenses	6,100	1,600	5,600	1,600
Excess (deficiency) budget	14,024	21,594	16,664	24,234

notes: Member allocation was based on an annual average of 670 annual members over the past seven years. The estimated Division revenue from TOFE conferences was based on the income from the past three TOFEs.