

**ANS Fusion Energy Division
Executive Committee Meeting Minutes**

Sunday, June 5, 3-5 pm PDT

Town & Country Hotel and Convention Center, Pacific Salon 3
San Diego, California

1. Call to order

The meeting was called to order at 3:06 pm. The meeting agenda is included as Attachment A. Members in attendance included Said Abdel-Khalik, Jake Blanchard, Farrokh Najmabadi, Rene Raffray, Ken Schultz, and Paul Wilson. Members joining via conference call included Susana Reyes, Neil Morley, Roger Stoller, and Minami Yoda.

Others in attendance included Lee Cadwallader (incoming Secretary/Treasurer), Nermin Uckan (editor, *Fusion Science and Technology*), Bob Johannessen (BWXT Pantex), and Nick Comfoltey (Archimedes Technology). Students in attendance included Eric Alderson from the University of Wisconsin, Jason Hollern and Margaret Mkhosi from the Ohio State University, and Paul Kollath-Romano and Rian Bahran of the Rensselaer Polytechnic Institute.

Others participating via conference call were Laila El-Guebaly (editor, Fusion Energy Division newsletter) and Craig Olson (Chair, 17th Technology of Fusion Energy Meeting).

2. September 2004 ExecComm meeting minutes

The meeting minutes were previously approved via e-mail.

3. Treasurer's report, including rolling 4-year budget option

Jeff Latkowski briefly updated members on the current budget status. The FED account balance was \$11,475 at the end of March 2005. FED received \$767 of income from member allocations (\$1 per FED member). Additionally, FED expects to receive approximately \$9000 of profits from the 16th TOFE meeting. Expenses for 2005 are expected to total \$2000.

Jeff proposed a rolling, 4-year budget cycle that would be used for internal (FED) planning purposes. It would not be binding in any way. Consideration of a 4-year period during budget planning will allow FED to average over years with and without significant income, which is derived mostly from the TOFE meetings. Extending the budget planning period gives the Division additional flexibility. The added flexibility is expected to be used to increase FED's level of student support.

Following some discussion, the Executive Committee accepted the Treasurer's report, including the recommendation to switch to a rolling, 4-year budget cycle.

4. FED Publications

4.1 Report on FED newsletter

Laila El-Guebaly briefed the Committee on the contents of the newly completed FED newsletter. Laila also reported on some difficulties in getting the newsletter posted on the FED web site. On June 12, the newsletter was released and archived at: <http://fti.neep.wisc.edu/FED/News/news0605.pdf>

4.2 FS&T Update

Nermin Uckan reported on the current status of *Fusion Science and Technology* (FS&T). Generally, the journal is doing quite well. FS&T is profitable. Domestic paper submissions have increased significantly. Papers rejections have increased as well. It was noted that the quality of the papers has increased. Unfortunately, library subscriptions have fallen. Members were urged to check with the library at their home institutions to ensure that they have access to both the print and electronic versions of the journal. Action: Ken Schultz will obtain a list of institutions that recently canceled subscriptions to FS&T.

5. Student-related items:

5.1 Report from the 2005 ANS Student Conference

Margaret Mkhosi briefed the Committee on the 2005 ANS Student Conference, which was held April 14-16 at the Ohio State University. More than 250 students attended the conference. Approximately 45 professionals served as speakers and paper judges. In all, there were 120 oral presentations and 80 exhibitors participated in the career fair. FED provided \$250 to the 2005 ANS Student Conference.

Rion Burham is the Chair of the 2006 ANS Student Conference, which will be held at the Rensselaer Polytechnic Institute on March 30-April 1, 2006. Rion asked the Committee to continue (or even increase) its financial support of the conference. He is also asking for members to participate as judges. The 2005 FED budget includes \$500 of support for the 2006 Student Conference.

5.2 Proposal for changes to FED student awards

Farrokh Najmabadi reported that FED award information and names of past recipients are now posted on the ANS web site. Farrokh requested that FED

obtain a set of plaques for mounting of future awards. Specifically, Farrokh requested authorization to procure twenty wood plaques with plexiglass covers at a total cost of \$500. The Committee voted to approve this request.

Farrokh reviewed FED's options for updating the existing student award such that it will cover papers and/or posters presented at the biennial TOFE conference. This will make the award more interesting and relevant. It will also help increase student participation in the TOFE conference. The Committee voted to accept the proposed modifications. Farrokh will submit the necessary paperwork to implement the changes.

5.3 Student travel support for national meetings

Jake Blanchard led a discussion regarding requests for student travel support to the ANS national meetings. Following considerable discussion, the Committee decided not to fund such travel in favor of continuing student travel support to the TOFE conference.

6. Conferences:

6.1 Update on the 16th TOFE

Jake Blanchard provided a brief update of the 16th TOFE conference, which was held in September 2004 in Madison, Wisconsin. The conference was successful from both technical and financial perspectives. It appears that the conferences made a net profit of approximately \$36,000. FED will receive 25% of this profit, or approximately \$9000 in income during 2005. The Committee expressed its appreciation for the exceptional job that was done by the University of Wisconsin team.

6.2 Update on the 17th TOFE

Craig Olson of Sandia National Laboratory provided an update of plans for the 17th TOFE conference. The conference will be held November 13-15, 2006 in Albuquerque, New Mexico and would be embedded within the national ANS meeting (the national meeting dates are November 12-16). The necessary paperwork has been submitted, and Jake Blanchard will speak at the ANS Screening Committee. (Note: Calendar placement for the 17th TOFE was granted.) The Committee provided several suggestions for a successful conference.

6.3 FED co-sponsorship of Nuclear Fuels and Structural Materials embedded topical

FED was asked to co-sponsor the Nuclear Fuels and Structural Materials embedded topical, which will be held in Reno, Nevada June 4-8, 2006. The Committee voted to approve such sponsorship.

7. FED Program Committee

Jake Blanchard briefly discussed the FED Program Committee and offered to chair it. The Committee voted to appoint Jake as the new chairperson.

8. FED election results

Rene Raffray announced the results of the recent FED election. Newly elected members of the Executive Committee are Neil Morley (University of California at Los Angeles), Paul Wilson (University of Wisconsin at Madison), and Minami Yoda (Georgia Institute of Technology). Said Abdel-Khalik (Georgia Institute of Technology) completed his term as Vice Chair and now assumes the position of FED Chair. Jeff Latkowski (Lawrence Livermore National Laboratory) was elected to the position of Vice Chair/Chair-Elect. Lee Cadwallader (Idaho National Laboratory) was elected to the position of Secretary/Treasurer, which was recently modified to be a two-year term. The Committee thanked everyone that participated in the recent election and encourages those that were not elected to consider running again in a future election.

The Committee expressed its thanks to outgoing members including, Jake Blanchard (Chair), Jeff Latkowski (Secretary/Treasurer), and Executive Committee members Susana Reyes and Lance Snead.

9. Update on FED nominations for ANS Fellow

Said Abdel-Khalik and Nermin Uckan reported on progress in initiating nominations for elevating FED members to ANS Fellow status. Of those considered four nomination packages are being assembled. One nomination will go forward in the current round and another will be submitted next round. The remaining two nominations currently fail to meet the five-year continuous membership requirement, so they will be held until the requirement is satisfied. It was noted that the entire society had only ten nominations in the previous round of submissions.

10. Petition to form Technical Group on nuclear production of hydrogen

Jake Blanchard and Ken Schultz provided an overview of the proposed Technical Group on nuclear production of hydrogen. Formation of a technical group is the first step on the road to formation of a new division within ANS. The group plans to hold a topical

meeting within the next 1-2 years. Formation of the new technical group was viewed as a positive step, and FED voted to support this.

11. Overview of the 2004-2005 ANS Membership Plan

Bob Johannessen of the ANS Membership Committee provided an overview of the ANS Membership Plan. Bob reported that while overall society membership is relatively stable at a bit under 11,000 members, it was as high as 16,000 members in the 1970s. Student memberships have grown considerably (nearly 50%) in the past 4-5 years. The report notes that the society tends to lose a considerable number of members at the 3-year point, and thus, the Membership Committee seeks to target its efforts towards maintaining those members. The 2004-2005 Membership Plan encourages members to “invite a colleague.”

12. FED support for ANS Landis Challenge

The Committee discussed the merits of contributing to the ANS Landis Challenge. FED did not make a contribution to the NEED Scholarship for 2005, despite it being included in the budget. The Committee voted to reallocate the \$500 earmarked for the NEED Scholarship to the ANS Landis Challenge.

13. Ideas for increasing subscriptions to FS&T

This item was addressed in the discussions related to item 4.2, FS&T Update.

14. Summary of FED decisions made “on-line” since last meeting

Increasingly, the Executive Committee discusses items via electronic mail and makes decisions on items between the biannual meetings. A brief summary of such decisions and other actions is included below.

The minutes from the September 15, 2004 FED Executive Committee meeting were approved in December 2004.

Chair Jake Blanchard sent a letter to ANS requesting that the cash prize for the Edward Teller Awards be increased from \$1000 to \$2000 each.

An application requesting ANS sponsorship of the 2005 International Conference on Inertial Fusion Sciences and Applications (a Class IV meeting, to be held in Biarritz, France September 5-9, 2005) was submitted. The application was approved.

The Committee approved support for formation of a Technical Working Group on Computational Medical Physics.

Jake Blanchard provided an overview of the Fusion Energy Division to the ANS Board of Directors.

The Committee requested Class IV sponsorship for the 8th International Conference on Tritium Science and Technology, which will be held in Rochester, New York September 16-21, 2007. The application was approved.

The Committee discussed and provided a joint response to the ANS survey on web distribution of unpublished technical information.

The Committee endorsed the candidates for the 2005 Edward Teller Medals, which will be presented at the 2005 International Conference on Inertial Fusion Sciences and Applications (Biarritz, France September 5-9, 2005).

15. Other business

None.

16. Adjournment

The meeting was adjourned at 5:00 pm.

Attachment A

ANS Fusion Energy Division
Executive Committee Meeting Agenda
Sunday, June 5, 3-5 pm PDT
Town & Country Hotel and Convention Center, Pacific Salon 3
San Diego, California

1. Call to order – J. Blanchard
2. Sep 2004 FED ExecComm meeting minutes (approved via email) – J. Latkowski
3. Treasurer's report, including rolling 4-year budget option – J. Latkowski
4. FED Publications:
 - 4.1. Report on newsletter – L. El-Guebaly
 - 4.2. FS&T update – N. Uckan
5. Student-related items:
 - 5.1. Report from the 2005 ANS Student Conference – Student Conference Rep.
 - 5.2. Proposal for changes to FED student awards – F. Najmabadi
 - 5.3. Student travel support for national meetings – J. Blanchard
6. Conferences:
 - 6.1. Close-out from the 16th TOFE – G. Kulcinski
 - 6.2. Update on the 17th TOFE – C. Olson
 - 6.3. FED approval of Nuclear Fuels and Structural Materials for the Next Generation Nuclear Reactors embedded topical (June 2006) – J. Blanchard, L. Snead
7. FED program committee – J. Blanchard
8. FED election results – R. Raffray, J. Blanchard
9. Update on FED nominations for ANS Fellows – S. Abdel-Khalik
10. Petition to form Technical Group on nuclear production of hydrogen – J. Blanchard
11. Overview of 2004-2005 ANS Membership Plan – Membership Committee Rep.
12. FED support for ANS Landis Challenge – J. Blanchard
13. Ideas for increasing subscriptions to FS&T – J. Blanchard
14. Summary of FED decisions made "on-line" since last meeting – J. Blanchard
15. Other business
16. Adjournment