

Minutes of the ANS Fusion Energy Division Executive Committee Meeting

November 15, 1998

Park Tower Room 8228
Marriott Wardman Park Hotel
Washington DC

Members Present: M. Bourham, S. Brereton, W. Hogan, W. Houlberg, C. Martin

Members Present via TeleCon: K. McCarthy, C. Wong

Others Present: J. Brault, G. Miley, K. Schultz, P. Wilson

Executive Committee Members Absent: D. Dudziak, G. Logan, S. Milora, D. Ruzic, R. Santoro, Y. Seki

Call to Order

W. Houlberg

The meeting of the ANS/FED Executive Committee was called to order at 3:15 p.m. by W. Houlberg, Chair. The meeting agenda is provided in Attachment A.

1. Approval of Previous Meetings' Minutes

S. Brereton

The November/97 meeting minutes were reviewed, and approval was recommended by members present and by those on conference call.

The June/98 meeting minutes were reviewed. It was noted that the attendance list was incomplete. This will be corrected along with a few minor typos. The minutes, as amended, were approved by members present and by those on conference call.

2. Treasurer's Report

S. Brereton

Brereton reported that as of November 1998, the expense total is \$2620 and the balance is \$6717. The forecast total expense for CY98 is \$3350 and the balance will be \$5987. It was noted that two of the three awards given at the June Topical meeting have not yet been claimed (N. Ghoniem and J. Wesley have not yet claimed their awards). Brereton will ask Kulcinski to remind the award recipients that they are to purchase something within the allotted \$500, and submit the receipt to Brereton for reimbursement. It is possible that these claims may not be made before the end of the calendar year. One was included in the projected CY98 budget; the second was accounted for in the CY99 budget. In addition, in CY99, the executive committee is expecting to incur a cost of approximately \$250 for conference calls at the 1999 National meetings. Thus, the total proposed expenses for CY99 are \$750. CY99 income is expected to include approximately \$600 from membership, and approximately \$6000 carryover. The

balance would then be \$5850. Details of the proposed budget for CY99 and the budget history are presented in the table provided in Attachment B. All members present, as well as those on conference call, approved the proposed budget.

A question was raised as to whether the ANS allocation for membership could be carried over from year to year. We have thus far always spent at least as much as the income provided from membership. Our anticipated CY99 expenses are expected to exceed the ANS membership allocation, so this should not be an issue. However, Brereton will clarify this issue with ANS.

3. **Co-sponsorship of the next Tritium Topical**

J. Brault

Brault from WSRC came to discuss the status of the plans for the Sixth International Conference on Tritium in Fission, Fusion and Isotopic Applications, scheduled for March 2000, in Augusta, GA (see Attachments C and D). At the June meeting, they obtained calendar placement, and have since gone forward with hotel arrangements and more detailed meeting plans. FED had previously agreed to co-sponsor, as long as there were no conflicting meetings. There appear to be none. FED will receive 12.5% of any excess revenues from the meeting. The financial package is provided as part of Attachment D. The Tritium conference committee would like to have an FED member on their Technical Program Committee. Schultz suggested that either Jim Anderson or Art Nobile of LANL would be a suitable FED representative for the Tritium Topical Technical Program Committee. Schultz agreed to contact them to determine their interest/availability, and would report back to Brault before Wednesday November 8.

The Tritium meeting is hoping to obtain preliminary approval from the ANS national program committee, which meets on November 18.

4. **Report on ANS National Activities**

W. Houlberg

Houlberg attended a meeting of the ANS Division Chairs and the ANS president on Saturday, November 14. The meeting was to address ANS matters and division concerns. A follow on meeting will be held in Washington DC in March, to discuss the Infrastructure 3 Report. This will address how the divisions should interact with the society. The issue of not having to embed topical meetings in the national meetings was raised, and support for stand alone topicals was expressed. This is a positive sign for the Idaho proposal, which was prepared for a stand alone topical. It was agreed that FED should actively participate in Infrastructure 3, to reinforce our concerns and continue to support stand alone topicals. Either Houlberg or Wong will attend.

COF4, the follow on to the Kyoto conference on CO2 emissions, was discussed. Approximately 3,000 people were in attendance. No agreement between the US and developing countries had been reached. Apparently, there has been little formal discussion on nuclear power, but there were many nuclear supporters in attendance.

ANS is requesting FED to sign on to the strategic plan. McCarthy will attend the Division chairs meeting on Tuesday, when this will be discussed. There are four main goals for ANS:

- to be recognized as a leader in nuclear technologies,
- act as a resource for professional development and information exchange,
- to as a source of information on nuclear technologies, and

- to actively participate in public policy issues.

ANS would like each division to start to address these goals. FED is already actively pursuing these goals. We provide our newsletter on-line, and plans for the next topical include on-line paper reviews. We also provide fusion education materials at sites such as LLNL, Princeton, and GA. It was suggested that the FED website should point to these information sources, if it does not already do so.

ANS News will no longer be included in Nuclear News, but rather will be a separate publication. This will be mailed, as hard copy, to all ANS members on a bi-monthly basis (Nuclear News will still be issued monthly). They are requesting input for this, to be submitted by email. The type of information being sought includes items about the fusion program in general, budget information, etc (see Attachment E from Phyllis Ruzicka). It was suggested that perhaps Steve Dean of Fusion Power Associates could forward some of his information to ANS. Houlberg agreed to call Dean and will suggest to him that he contact Greg Taylor at ANS (the editor-in-chief) about contributing.

ANS has written a summary report on the role of nuclear power in reducing CO₂ emissions. They provide some data that show that there is an inverse relationship between gross domestic product per ton of CO₂ emitted and fraction of power from nuclear: the GDP/tonne CO₂ emitted is least for the country with the highest fraction of power from nuclear. This suggests that nuclear power can play a large role in addressing the problem of CO₂ emissions. The report is on the ANS web page. It will be reviewed once more by the public policy organization before it is finalized.

The fall membership report indicated that the Decontamination, Decommissioning, and Reutilization Division membership has increased, while all others have decreased. FED membership has decreased by 2.3%, which is less than declines in recent years. Current membership is listed as 671, compared to 687 last fall.

5. **Plans for Next Fusion Topical**

W. Houlberg/K. McCarthy

McCarthy presented the Idaho proposal for hosting the next fusion topical meeting, in October 2000 (see Attachment F). This will be co-sponsored by the northern California ANS section (NORCAL) and the Atomic Energy Society of Japan (AESJ). Last time, the Idaho proposal was rejected because ANS was insisting topicals be embedded in the national meeting. Since several stand-alone topicals were approved at the June meeting, we may be successful with a stand alone fusion topical this time.

McCarthy summarized the proposal highlights:

- Park City is affordable this time of year, easy to get to, and there are interesting activities in the area, but not enough to be a distraction from the conference.
- The Japanese will be honorary co-hosts; they will provide funds for a reception or something of that nature.
- They are considering the second or third week of October, before prices go up, and before it gets too cold. There is a potential conflict with the IAEA meeting, which may occur during October 4-10/2000. This date seems odd (Wednesday to Tuesday), and will be verified by McCarthy. Regardless, it should be possible to avoid a direct conflict with the IAEA meeting.

- The conference committee is a committed group, with previous experience planning conferences at Park City.

McCarthy will present the proposal to the national program committee on November 18 for calendar placement. The proceedings may be available on CD rom. Fusion Technology is currently investigating how to manage CD rom proceedings. This is the plan for the Tritium Technology meeting (March, 2000).

It was suggested that FED might want to explore a closer relationship with IEEE for future fusion conferences. Dick Foley of LLNL will take over from Phil Heitzenroeder as head of the IEEE sub-panel. They are planning the 2001 fusion conference, which will be hosted by Princeton at Atlantic City. FED is interested in discussing co-sponsorship with IEEE, and perhaps alternating fiscal responsibility with them, merging mailing lists, offering membership breaks for both societies, etc. This should build a stronger series of meetings in the long run. A small working group, consisting of Hogan, McCarthy, Foley, and Heitzenroeder will discuss this. A potential problem may result from proceedings publication. ANS typically publishes the meeting as a special issue of Fusion Technology, whereas IEEE does not. The review processes are different as well. There may be copyright issues. There may not be time to accomplish a collaboration before the 2000 topical, but this can still be explored. It may be as simple as adding IEEE representatives to the Technical Program Committee (which hasn't been fully established yet). This possibility will not be discussed in the presentation to ANS on November 18, as it is not relevant to calendar placement.

There was a motion to approve the Idaho proposal. It was approved by all committee members present and by those on conference call.

6. **Division Newsletter**

W. Houlberg/S. Brereton

Brereton distributed copies of the draft FED newsletter, put together by El-Guebaly. El-Guebaly is looking for electronic feedback by November 17.

7. **Nominating Committee Report**

W. Hogan

Hogan reported that he had identified two candidates for vice-chair, and six candidates for the three opening executive committee positions. He thought it was unlikely at this point in time to get a second candidate for secretary/treasurer. He was pleased that the candidates represented a wide variety of organizations from within the fusion community. The list of candidates is provided in Attachment G. There was a motion to approve the list of candidates. The list was approved by the executive committee members present and by those on conference call. Hogan will submit the list to Toni Bishop at ANS.

8. **Report on FESAC Activities**

W. Houlberg

The fusion materials report discussed at the June meeting has just been issued with a request for more work. It looks like there are major changes with OFE moving over to the science budget. The advisory committees are expected to play a stronger role in developing the budget. They are preparing materials for review of both the magnetic and inertial fusion programs. John Sheffield is collecting information to submit to FESAC in January (2-pagers, describing opportunities, needs, vision), in response to one of Martha Krebs' requests,. A second request from Krebs is to lead a community

assessment of the restructured program. There will be a meeting in Colorado next July to collect information from the community.

9. Report on Fusion Technology

G. Miley

Miley provided handouts (see Attachment H). Fusion Technology continues to have a good number of papers in its regular issues. There is a concern that subscription numbers are decreasing, but this is expected with fewer professionals in the community. Fusion Technology is soliciting FED's assistance in identifying areas for papers or on which to have special issues. Two special issues are planned for the near term: one on the Open Systems meeting, to be published in January, and one on the meeting on ICF Targets, which will take place in March of 1999. The Tritium Technology conference in March of 2000 will also have its proceedings published as a special issue of Fusion Technology. In all likelihood, the 14th topical will as well.

10. Other Business

Hogan mentioned that the position of FED secretary/treasurer is the only FED office with a one year term. He proposed a change in our by-laws to extend the term. All Executive Committee members present and those on conference call supported this. Hogan will prepare a paragraph with the exact change of wording to the by-law. Brereton will then distribute this and poll the remaining FED EC members to see if two-thirds support the change in the by-laws. If this is the case, we will take it to ANS and request a change in our by-laws.

Schultz indicated that they would like an FED EC member on the ANS Technical Journals Committee. Three 3-year term positions are coming open. The committee tries to represent ANS membership in interactions between the journals and ANS staff. Perhaps the most important task is to recommend editors to ANS. Recently, they have also played a major role in encouraging the journals to broaden their scope. They would like a person committed to fusion technology, and suggest that the individual also be on the editorial advisory board of Fusion Technology (this can be arranged by Miley). Bourham agreed to be a candidate for this position.

The meeting adjourned at 5:15 p.m.

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Washington DC**

Agenda

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|------|--|-------------------------------------|
| 3:00 | Call to Order | Houlberg |
| 1. | Approval of Previous Meetings' Minutes <ul style="list-style-type: none">- November, 1997- June, 1998 | Brereton |
| 2. | Treasurer's Report <ul style="list-style-type: none">- Status of 1998 budget- Proposed 1999 budget | Brereton |
| 3. | Co-sponsorship of the next Tritium Topical | Brault |
| 4. | Report on ANS National Activities | Houlberg |
| 5. | Plans for next Fusion Topical | Houlberg/McCarthy |
| 6. | Division Newsletter | Houlberg/Brereton
for El-Guebaly |
| 7. | Nominating Committee Report | Hogan |
| 8. | Report on FESAC Activities | Houlberg |
| 9. | Report on Fusion Technology | Houlberg/Brereton |
| 10. | Other Business | All |
| 5:00 | Adjourn | |