

MSTD Minutes 06/06/05

Call to order 7:00 PM by Todd Allen

In attendance

Todd Allen (chair)  
Robert Hanrahan (secretary/treasurer)  
Ron Ballinger, MIT  
Jim Tulenko, UF  
Kenan Unlu, Penn State  
Travis Knight, University of South  
Carolina  
David Senior  
Jim Cole

Il Soon Hwang  
Arthur Motta, Penn State  
Scott Simonson KAPL  
Jeremy Busby ORNL  
Janne Walenius  
Steve Zinkle  
Jeremy Busby  
Dean Paxton  
K L Murty

#### Papers for Winter Meeting - Doug Crawford

Papers for Winter Meeting are due Friday (deadlines changed from 10<sup>th</sup> to the 20<sup>th</sup>), only 30 as of now, which is cause for concern on the part of the programming committee. We need to do a better job of calling up colleagues and getting them to submit papers.

Meetings are the largest single source of income to the society. Jim Tulenko feels this is due to the older members being accustomed to getting meeting submissions in at the last minute.

Paper Review dates are 11<sup>th</sup> and 12<sup>th</sup> July.

#### Student Conference 2005 – Margaret Mkoshi OSU

This was a successful meeting with 250 students in attendance. MSTD attracted the most papers (20/120 presentations made were in MSTD). They thanked MSTD for previous support.

RPI will be hosting the next conference March 30-April 6, 2006 focused around the theme “Nuclear Power A Look at the Future”. They expect to ask for funds at the next meeting.

#### Division Vitality – Todd Allen

Todd will be presenting Wed. afternoon to the Board of Directors on the division vitality measures, we are all green or white on these.

#### Bylaws

We agreed previously to add a student member. We are going to be issued standard bylaws after this meeting. Each committee will have to adjust the standard bylaws as necessary.

#### National Program Committee

At the National Program Committee (NPC) meeting tomorrow night there will be two votes:

Formation of a technical group for nuclear production of hydrogen.

Formation of a technical group for “young members”.

Jim Tulenko spoke to this being formed as a prelude to formation of a special interest group. ANS strategy to provide both social and policy groups (e.g. non-proliferation). The committee discussed the validity and importance of this topic. Tulenko explained that the evidence for the need for the young members group was demonstrated by the success of the NAYGN. Dave Senor observed that it is very similar to the TMS young leaders group. The objective is to keep these areas involved in ANS. Similarly the hydrogen production technical group was discussed in the context of drawing away activities from the division. It was explained by Doug Crawford that a technical group is not a division, but Tulenko explained in response to a question from Hanrahan that the technical groups can in fact program sessions and collect income, therefore Ballinger observes that this is in fact a direct subtraction from the divisions. They can also sponsor conferences and topicals. Hanrahan proposes that the technical groups be strictly associated with specific divisions. Crawford and Tulenko explained that overall there was not a major financial concern overall. We would also like to know what is needed to end the existence of a technical group once it is formed.

We took a voice vote and by a vote of 6 to 4 (with x abstentions) we voted against, we determined that we would like to hear more details about the rationale for the formation of the group.

#### Treasurer’s Report – Robert Hanrahan

Treasurer’s report was presented by Robert Hanrahan. Although the ANS budget office reported we didn’t put in a budget they did have our current budget numbers.

Kenan proposes that we transfer \$500.00 to ANS national for student travel for MSTD sessions. We discussed publicity and Tulenko will provide an appropriate department heads list to Travis.

Voted and Passed

#### Programming Committee

Programming committee: Travis Knight and Ken Geelhood (PNNL) volunteered and Sean McDevitt was also volunteered. Ken will work with Robert Hanrahan for the next couple of meetings then take over the program committee chair representative position.

#### 2005 ANS Annual Meeting/San Diego

Three sessions are held at this meeting (San Diego, Annual Meeting) chaired by Ning Li, Todd Allen, Tetsuo Shoji. Tetsuo Shoji was not available for the session on Wed afternoon and will be replaced by a volunteer.

#### 2005 ANS Winter Meeting/Washington, DC

Two sessions planned for the next winter meeting in DC

Gas Reactor Fuels and Materials – James Cole

Nuclear Fuel Performance Modeling and Benchmarking - Ron Ballinger

No papers in as of today.

### 2006 ANS Annual Meeting / Reno, NV

We need 100 word summaries for 2006 Annual Meeting in Reno, NV. Todd was asked if we would participate in the embedded topicals on Fusion Energy (2006 Winter Meeting) and Gen IV Fuels and Materials (2006 Annual Meeting). We need assistance for working with the Fusion Energy committee on organizing the meeting. Todd suggested that we not schedule any other sessions for the Reno meeting since they would conflict with the embedded topical.

ICAPP will be an upcoming embedded topical at Reno. There may be overlaps with this embedded topical as well.

### Topicals

Upcoming embedded topical: Atomistic modeling of fuel performance. Originally scheduled for 2006. It is 15 months until the Albuquerque meeting so the timeline is too short to kick it off so we are putting off this meeting until Nov. 2007.

Jim also proposes that the MSTD division be a class IV sponsor of the Inert Matrix Fuels (IMF) meeting in Park City in October 2006. APCI/NE50 is the principal.

Voted and approved.

By 2008 Jim Tulenko separately proposes that we make this a stand alone topical. Steve Zinkle questions organizer interest in making this meeting a US embedded topical so quickly and encouraged the coordination with the Europeans regarding scheduling for future IMF meetings since they may have plans to hold a meeting that could conflict with the proposed 2008 ANS topical.

Proposal: the committee approves that Jim Tulenko approach the conference organizers about making this meeting (IMF) a US stand alone topical.

Voted and approved.

Pu futures chairman Mike Fluss wants official artwork of ANS logo for the conference website. Hanrahan to call Ellen Leitschuh vis a vis the ANS logo artwork for Pu Futures.

Dave Senor circulated the announcement for the TMS March San Antonio Space reactor Fuels and materials session. Wechsler Symposium announcement circulated by K.L. Murty.

### Honors and Awards

We have issues with how we go about identifying candidates for awards. Tulenko suggests that we need to identify a greater number of qualified candidates and take a more active role in identifying candidates. We have excellent awardees for Mishima award for 2005 and 2006 but into the future we need to identify more candidates. The committee pointed out that by agreeing within MSTD on a single candidate each year, that committee members are limiting the amount of work necessary to support the award. Jim Tulenko will take this message back to the Honors and Awards Committee.

### Membership

We will have a student exec member once we have re-written our bylaws.

### Newsletter

Travis has the newsletter on-line. Any member can send information to Travis for the newsletter. Todd suggests that we send more information to Travis.

Similarly, send information appropriate to career awards (i.e. best paper) to the Jim Stubbins.

### Website

See above.

### Nominating – Todd Allen

Under the bylaws non-participating members are removed if they miss the committee meeting twice without an excuse. Consequently we have recognized that members who have missed the last two meetings are now removed.

Dean Paxton nominated and approved as a member. 2 year member.

### University Liaison (Ballinger)

Student conference status: covered at the beginning of the meeting.

Meeting closed at 8:50 PM.

Minutes Submitted by Robert Hanrahan

**American Nuclear Society  
Materials Science and Technology Division  
Executive Committee Meeting Agenda  
7:00 to 9:00 PM, Monday, 6 June 2005**

- |   |          |
|---|----------|
| 1. Call to Order, Roll Call                           | Allen    |
| 2. Chair's Report                                     | Allen    |
| Membership briefing<br>Report from Student Conference |          |
| 3. Secretary's Report (Nov minutes)                   | Hanrahan |
| 4. Treasurer's Report                                 |          |
| Request for student travel support                    | Hanrahan |
| 5. Division Vitality                                  | Allen    |
| 6. Committee Reports                                  |          |
| A. Program (3 members)-Wed NPC Meeting                |          |
| i. ANS Meeting  |          |
| a. 2005 ANS Annual Meeting/San Diego                  | All      |
| Wed Modeling session chair?                           |          |
| b. 2005 Winter Washington (Reviewer names to Ellen)   | All      |
| Gas reactors-Cole                                     |          |
| Fuel Performance Modeling-Lambert?                    |          |
| c. 2005 ANS Annual Meeting/Reno                       | All      |
| SCWR  |          |
| LFR   |          |
| Atomistic Modeling                                    |          |
| ii. Topical Meetings                                  |          |
| a. Modeling   | Tulenko  |
| b. Embedded topical on Advanced Fuels and Materials   |          |
| (co-sponsored with Fusion energy)                     | Snead    |
| iii. Professional Development Workshops               | Allen    |

- iv. New Program Chair-McDeavitt?
  - iv. Other Societies Allen
- B. Honors and Awards Stubbins
  - 2004 nominees
  - New Award guidelines
  - Olander package
- C. Membership (Student Exec member)
- D. Publicity: Newsletter Knight
- E. MSTD Web Site Knight
- F. Nominating (3 members) Allen
- G University Liaison Ballinger
  - i. Student Support Activities
  - ii. Schumar Scholarship Status  
(Non-US, Endowment) Allen
  - iii. Student Conference Status/Support
- H. International Liaison
- 7. Old Business
- 8. New Business
  - Membership Committee brief.
- 9. Adjourn