

Materials Science and Technology Division

2000 ANS Annual Meeting - 5 June 2000

Attendees

Samim Anghaie (University of Florida)
Ron Ballinger (MIT)
Carl Beard (University of Texas)
Carl Beyer (PNNL)
Michel Billaux (Siemens)
Ken Chidester (LANL)
Jim Laidler (ANL)
Bob Seidel (ANL-W)
David Senior (PNNL)
Jim Stubbins (University of Illinois)
Jim Tulenko (University of Florida)
Kenan Unlu (Cornell University)

The meeting was called to order at 7:00 pm by the Chair, Dave Senior.

Agenda

The meeting followed the attached agenda.

Chair's Report

Dave Senior reported that the Society will donate \$15,000 to a local charity in Los Alamos, New Mexico to help provide aid to victims of the fire there.

Dave Senior attended the training session for incoming officers on Saturday June 3. A Professional Division manual was distributed that Dave will make available to the new MSTD officers.

In order that the Society can provide timely response to news events such as the Tokai-mura criticality, the Public Policy Committee (John Graham, Chair) is seeking to identify points of contact for help in such events. Carl Beyer volunteered to be the initial coordinator for MSTD, to work with John Graham on policy statements. Bob Seidel noted that there is a need for an ANS policy statement/position on radionuclides as a national resource; MSTD could provide useful guidance to ANS HQ, and it may be possible to solicit expert guidance via the MSTD newsletter.

An effort is underway to start up a new Technical Working Group on Space Nuclear Technologies. Dave Senor asked for an expression of opinion from Committee members to guide his vote at the upcoming Professional Divisions Committee meeting. It was noted that the newly-formed Accelerator Applications Division has brought in some new ANS members. Several people felt that the Society is not exerting long-range planning in establishing an organizational structure that makes sense. The question is where to draw the line on new Divisions. The majority of the Executive Committee members present favored supporting the formation of a Technical Working Group, with the proviso for reviewing the matter when the issue of granting Division status to this TWG comes up in the future.

Secretary's Report

The minutes of the last MSTD meeting, held June November 15, 1999 at Long Beach, CA, were approved as written. Jim Laidler committed to proceed to move the allocated \$601 into the Schumar Scholarship fund.

Treasurer's Report

Jim Laidler presented the Treasurer's report, as attached. Bob Seidel questioned the charge of \$543 for newsletters, because the current practice is for ANS HQ to cover the cost of two newsletters per year.

Dave Senor suggested that the Division contribute to the Los Alamos relief fund. The Society is making a \$15,000 donation to the Los Alamos Presbytery. Ron Ballinger suggested donating \$5,000 through the Salvation Army, with \$1,500 to come from the budgeted amount for student support. Carl Beard agreed with the proposal to take part of the funds from the student support line item.. A majority of members present concurred with the total of \$5,000. Dave Senor will contact the appropriate people at the Professional Divisions meeting to see where it would be most helpful to send our donation.

Technical Program Committee Report

Dave Senor, reporting for Brent Lewis, reported that there are multiple sessions planned on NERI/NEPO/NEER at the winter meeting. Abstracts are due June 23. Carl Beard has four verbal commitments for papers in the student session, and expects to get enough for one full session. There are six or seven commitments to date for the advanced fuels session, with all papers coming from other than the NERI program. Jim Stubbins reported that there will be an embedded topical meeting at the winter meeting. The deadline for abstracts has been deferred to the end of June due to the Los Alamos fire. Written papers are due August 1.

Session topics were solicited for the Milwaukee meeting. One hundred word summaries of the sessions are needed by this Wednesday (June 7). Jim Stubbins will prepare a summary on materials issues in Plant Life Extension.

As regards the 2001 Reno meeting, Bob Seidel will strive to develop some interest in a session of materials stabilization/gas generation issues and transportation issues. Todd Allen will be working to develop a session on liquid metals compatibility issues, Carl Beyer a session on dry storage issues, and Ron Ballinger a session on disposability of non-standard (i.e., non-commercial) spent nuclear fuel. These session organizers were asked to write up the standard 100-word summaries of their sessions now.

Approval has been received from the Screening Committee for the April 21-24, 2002 LWR Fuel Performance meeting in Lyon, France. A U.S. co-chair for the Technical Program Committee is needed. Mitch Cunningham was suggested; Carl Beyer will contact him to see if he is interested. Michel Billaux volunteered his support. This meeting is now on a regular two-year cycle; the French organizers are guaranteeing about \$10,000 for the MSTD share of meeting revenues.

The Environmental Degradation topical meeting rotates to ANS sponsorship in 2003. The meeting will be held in the late summer of 2003, but no further details are available at this time.

The MSTD electronic paper review site is up and running and works very well. Members will be asked to participate in paper reviews for the winter meeting.

Brent Lewis has asked for relief from his assignment as Program Committee chair due to overwhelming work commitments. Samim Anghaie will secure a replacement for Brent. In the meantime, Dave Senor will handle the responsibilities of this position.

Honors and Awards Committee Report

Jim Stubbins reported on the activities of the Honors and Awards Committee, as shown on the attached handout. Nominees are solicited for the various awards listed in section 2 of this handout. The MSTD awards banquet will be held on Wednesday, November 15. A banquet ticket sign-up spot will appear on the meeting registration form.

Membership Committee Report

David Senor reported that the membership of the Materials Science and Technology Division has declined by 6-8%. Membership is down in all categories (U.S., international, student).

Publicity Committee Report

All present agreed that the MSTD newsletter has been excellent. Members are encouraged to visit the MSTD web site at http://www.pnl.gov/ans_mstd; it is a good source of information.

Nominating Committee - Election Results

Dave Senor reported that the result of the election was as follows:

Vice Chair: Carl Beyer (PNNL)
Secretary-Treasurer: Jim Laidler (ANL)
Executive Committee:
Brent Lewis (Royal Military College-Canada)
Carl Beard (University of Texas)
Lee Peddicord (Texas A&M University)
Ron Ballinger (MIT)
Jean-Louis Boutard (CEA-France)

Dave Senor will be soliciting nominees for the 2001 election.

University Liaison

MSTD has supported two regional student conferences in 2000, and will sponsor a student session at the winter meeting in Washington with prizes for best papers.

The Schumar Scholarship for 2000 was awarded to Heather Jean MacLean of MIT.

International Liaison

No report.

Old Business

None.

New Business

Jim Stubbins reported that there is interest developing in preparing a textbook on materials for accelerator applications and MSTD has been asked for an expression of interest. Dave Senor responded that the ANS Publications Committee is generally skeptical about becoming involved in such endeavors, due to a typical lack of financial incentives. Discussion among the members present confirmed that there is little interest in a book publication; documentation in a special issue of Nuclear Technology may be preferable.

Jim Tulenko reported that Radwaste Solutions is looking for articles. Members are encouraged to submit papers for inclusion in this publication.

The meeting adjourned at 9:15 pm.

Attachments

Agenda
Treasurer's report
Honors and Awards Banquet Plans

Reported by:

James J. Laidler
Secretary-Treasurer
Materials Science and Technology Division
