

Materials Science and Technology Division

1996 ANS Winter Meeting - 11 November 1996

The meeting was called to order at 7:00 PM by the Chair, Mitch Cunningham.

Attendees

Scott Bargerstock (General Physics Corporation)
Doug Crawford (ANL)
Mitch Cunningham (PNNL)
Ken Erwin (University of Missouri-Rolla)
Tony Gabriel (ORNL)
Hans Gouger (Penn State University)
Martin Grossbeck (ORNL)
Jim Laidler (ANL)
Rick Mason (LANL)
Bob Seidel (ANL)
David Senor (PNNL)
Lew Steinhoff (DOE)
Richard Wenzel (Arizona Public Service)

Agenda

The meeting followed the attached agenda.

Minutes of the Last Meeting

The minutes of the last MSTD meeting, held 17 June 1996 at Reno, Nevada, were approved as written.

Chair's Report

Mitch Cunningham reported that Jerome Goldberg has resigned as Vice-President/President-Elect of the American Nuclear Society, and that Stanley Hatcher has been elected as Vice-President *Pro Tem* and President-Elect to fill the remaining term of Goldberg.

Secretary/Treasurer's Report

Jim Laidler presented the Secretary/Treasurer's report, describing the current financial status of the Division as shown in the attachment. It was noted that approximately \$700 will come to the Division from the LWR Fuel Topical Meeting. Extended discussion was

held on the issues of student support and awards. Proposed expenditures were: \$250 for student travel to both the national meetings in Winter 1997 and June 1997 (Orlando); \$250 each for student support at the University of Missouri-Rolla and Pennsylvania State University, for Regional Student Conferences to be held in March and April, 1997, with funds to be used for transactions, social mixer, banquet, and limited travel; and \$200 for Best Student Paper awards. David Senor proposed that the Division provide \$750 for both the Eastern Regional and Midwest Regional student conferences; his motion was seconded by Grossbeck and passed by voice vote.

Committee Reports

Program Committee

The 1997 LWR Fuels Meeting was discussed by Mitch Cunningham. A total of 93 papers have been accepted, and the expectation is that the projected attendance of 240 people will be met. Publicity concerning the meeting appears on the ANS web site. Mitch requested recommendations for banquet/luncheon speakers at that meeting.

It was reported that the Fusion Division is proposing a special session for the Orlando meeting on the RIFEX process ("cold fusion" revisited).

Doug Crawford reported that no special sessions are planned by MSTD for the Orlando Meeting. Bruce Mathews submitted a proposal for a session at Orlando on Nuclear Material Packaging and Storage; it appears that 11 papers are comparatively firm for this special session.

General discussion was held on the matter of an MSTD Program Committee chair. The consensus was that a program committee could be put together, but no actions were assigned.

Martin Grossbeck suggested that a session be developed for the Albuquerque meeting on accelerator target materials, but it was noted that there will be a proposal for an embedded topical meeting on accelerators at the Albuquerque meeting sponsored by the aforementioned Technical Working Group on Accelerators. The Orlando meeting will have perhaps four sessions on accelerator technology.

Honors and Awards Committee

Rick Mason reported that there will be 12 honorees at the Honors and Awards luncheon; about half of the recipients will be in attendance. The guest speaker is Jim Jackson (LANL).

Rick Mason and Martin Grossbeck will look into an award recognizing the first nuclear production of electricity at the ORNL X-10 reactor.

Membership

No report.

Publicity

Bob Seidel will prepare the MSTD Newsletter.

University Interactions

No report.

International Liaison

No report.

Old Business

MSTD Web Page

The American Nuclear Society has a home page, using the University of Wisconsin server. An MSTD web site will be set up at PNNL. Dave Senor is the cognizant individual.

MSTD Future

Doug Crawford led a discussion on the future of the Division. He noted three options: (1) disband, (2) continue as at present, and (3) stimulate interest and participation. All present favored option (3). Doug reported that he would like to bring the Actinide Separations Conference and the Pyrochemical Workshop under the aegis of ANS/MSTD. Other actions should be considered. Martin Grossbeck noted that most industrial effort is on plant maintenance, and that we should consider proposing sessions in such areas; he also suggested getting into materials issues from recently declassified programs. Doug Crawford wondered if we could move into the area of actinide science.

New Business

Budget Forecast

Jim Laidler presented the attached budget forecast, reflecting added support for student activities.

Nominee Slate

Mitch Cunningham will work with John Lambert to finalize the slate of nominees for Division positions.

Professional Division Matters

Accelerator Applications Technical Working Group

Tony Gabriel discussed the ANS Accelerator Technical Working Group, a potential new ANS Division, and requested MSTD support for this new group. Bobby Seidel stressed the importance of coordination with MSTD in areas of mutual interest. After extended discussion, it was agreed that the MSTD position would be to support the organization as a Technical Working Group. However, the group crosses several Division lines and formation of a new specialized Division may not be in the best interests of the Society at this time of contraction. The matter should be reconsidered a year from now.

Accelerator Applications Embedded Topical Meeting

Doug Crawford and Dave Senor will discuss the proposed embedded topical meeting with Tony Gabriel at this meeting.

Special Committee on Nonproliferation

The Fuel Cycle and Waste Management Division has offered to form a Technical Operating Committee on Nonproliferation, but discussion led to an MSTD consensus that ANS should retain a Special Committee on this topic.

Nuclear Reactor Safety Division

The Nuclear Reactor Safety Division wants to change its name to the Nuclear Facilities and Installations Safety Division; consensus is that MSTD will not object to this change.

Attachments

Agenda
Secretary/Treasurer's report
Budget Forecast

Reported by:

[James J. Laidler](#)

Secretary/Treasurer
Materials Science and Technology Division