

Materials Science and Technology Division

1995 ANS Winter Meeting - 30 October 1995

The meeting was called to order at 7:00 PM by the Chair, John Lambert. The following activities took place.

Attendees

Scott Bargerstock (General Physics Corporation)
Doug Crawford (ANL)
Mitch Cunningham (PNNL)
Steve Hayes (ANL)
Jim Laidler (ANL)
John Lambert (ANL)
Bruce Matthews (LANL)
Kelly Thomas (Westinghouse Savannah River Company)

Agenda

The meeting agenda is included as Attachment 1.

Introductory Remarks by the Chair

The President of ANS, John Graham, is looking into R&D priorities in order to best position the Society for future developments. The primary R&D areas identified by the President are (1) advanced reactors, (2) waste management, and (3) fusion energy. A concern was expressed at the ANS Board of Directors meeting that the national laboratories should strive for more interlaboratory cooperation. The fusion energy program is contracting, with four or five active R&D facilities in the process of being terminated; continued U.S. involvement in the ITER program is in question.

ANS Annual Winter Meeting 1996

Paul Amico, Technical Program Chair for the Winter 1996 meeting, made a short presentation on plans for the meeting, which will be the quadrennial ANS-ENS meeting. Because of the European involvement, every technical session will have an ENS co-chair; Pierre Bacher will assist in securing co-chairs from the European community. The Special Initiatives Program (SIP) recommendations for improving ANS meetings will be tested at this meeting, which has the theme, "Global Benefits of Nuclear Technology: Improving the Quality of Life for the Next Generation." The SIP calls for increased emphasis on tie-ins to the theme, and each Division should develop a "theme session" highlighting the overall theme of the meeting.

The meeting organizers will also test multi-media poster sessions (i.e., videos, slides, interactive presentations, etc...). It is possible that a special session will be arranged providing summary highlights from recent ANS topical meetings.

The program committee is considering setting up remote paper reviews. This would not be imposed on all Divisions, but is worthy of consideration. A draft call for papers will be discussed at the Reno paper review (week of February 13, 1996), and revisions to sessions will be finalized at that time. Papers will be due in early June 1996 and the paper review will be held in Washington, DC during the first part of July.

Steve Hayes indicated that he would attend the National Program Committee meeting on Wednesday, November 1 in place of Doug Crawford.

Secretary's Report

The minutes of the June 26, 1995 MSTD meeting were distributed to the members present by the Secretary and a motion to accept the minutes was seconded and approved unanimously.

Treasurer's Report

Jim Laidler reported that the Division Financial Report received from Society Headquarters was erroneous, and took the action to contact Chris Krapp to resolve the issue. The corrected financial report is attached; the Division now has total budget funds of \$10,435.

Program Committee Report

Steve Hayes presented the report in the absence of Doug Crawford, who had to leave the meeting early.

The LWR Fuel Performance Topical Meeting has preliminary calendar placement; Mitch Cunningham is the Technical Program Chair. The meeting will be held in Portland, Oregon, March 2-6, 1997. The preliminary budget has been approved by ANS-HQ, as well as the publications plan. The registration fee will be \$300 (early registration) and \$340 (late registration).

The DOE Spent Fuel Management and Surplus Fissile Materials Disposition Embedded Topical Meeting, to be held during the ANS Summer Meeting at Reno in June 1996, is progressing well. About 110 paper summaries were submitted for consideration, and paper reviews were completed on Saturday, October 28. Technical Program Chairs are Jim Laidler (DOE Spent Fuel Management) and Bill Sutcliffe (Surplus Fissile Materials Disposition).

Discussion was held on proposals for special sessions for upcoming meetings. It was agreed that MSTD could exploit the joint ANS-ENS aspect, perhaps covering Russian

experience with annealing of reactor pressure vessels. Bruce Matthews suggested a session on properties of plutonium (storage experience, etc...). It was noted that session titles and 100-word session topic summaries for the Washington, DC (November 1996) meeting should be sent to Paul Amico by Wednesday, November 1, 1995; Steve Hayes agreed to do so.

The biennial meeting on Environmental Degradation of Materials in LWRs is planned for August 1997. Al McIlree of EPRI will be General Chair and Steve Bruemmer of PNNL will be the Technical Program Chair. An attempt for calendar placement will be made at the February 1996 paper review.

A general concern was expressed that only five papers were submitted for the MSTD general session at the San Francisco meeting; three were withdrawn at the last minute because presenters were unable to attend the meeting. The general consensus was that more effort must be extended by session organizers and session chairs to stimulate participation.

R. Tracucci advised John Lambert by telefax of the ENS Fuel topical meeting in 1997.

Honors and Awards Committee Report

There was no committee report; Rick Mason advised the chair by telephone prior to the meeting that the report will be delayed. The Honors and Awards Luncheon was canceled at this meeting because the Honors and Awards Committee was unable to complete preparations for the luncheon due to other commitments. The Honors and Awards Luncheon will be rescheduled to the Washington, DC Meeting in November 1996.

John Lambert asked for a listing of ANS Fellows who are members of the Materials Science and Technology Division, with the intention of nominating someone from the Division.

Committee Reports

Planning/Membership

Larry Neimark has secured a list of new ANS members and will try to increase their participation in MSTD activities.

Publicity

Doug Crawford, Mitch Cunningham, and Jim Laidler will provide input to Bobby Seidel covering upcoming technical meetings, for inclusion in the MSTD newsletter. In the next newsletter, members will be asked to make suggestions on awards.

Publications

John Lambert completed a pre-publication review of a proposed book prepared by authors from the Moscow Institute.

University Interactions/International Liaison

No reports.

Old Business

The MSTD by-laws having been approved previously, there was no discussion necessary on the state of the by-laws. There was no other old business to deal with.

New Business

Jerry Ethridge will be responsible for preparing a slate of candidates for the next election of MSTD Executive Committee members (Vice Chair/Chair-Elect, Secretary/Treasurer, and three members of the Executive Board). John Lambert will coordinate with Jerry.

Scott Bargerstock made some useful suggestions on outreach of the Division to involve industry and to relate to industrial problems. He will advise the Executive Committee of opportunities for participation in materials-related meetings held outside the Society.

Mitch Cunningham reported that the *Nuclear Technology* advisory committee is concerned that the number of papers submitted for publication has decreased significantly. The balance in submissions has shifted to the point that the majority of papers submitted is now from foreign authors. *Nuclear Technology* will probably continue with 12 issues per year, but with a reduction in the number of pages per issue.

Jim Laidler reported that ANS HQ has requested support for student participation in ANS national meetings. The budget projections for the division include such support. With the cancellation of the 1995 Honors and Awards luncheon, the 1996 budget must now carry an entry for awards and plaques (in the amount of \$750, the amount budgeted for 1995).

The meeting was adjourned by unanimous consent at 9:00 PM.

Attachments

Agenda
Treasurer's report

Respectfully submitted,

[James J. Laidler](#)
Secretary/Treasurer