

Materials Science and Technology Division

1998 ANS Winter Meeting - 16 November 1998

The meeting was called to order at 7:00 pm by the chair-elect, Dave Senor, in the temporary absence of the chair, Jim Tulenko, who arrived shortly thereafter.

Attendees

Todd Allen (ANL)
Doug Crawford (ANL)
Martin Grossbeck (ORNL)
Brian Hajek (Ohio State University)
Jim Laidler (ANL)
John Lambert (ANL)
Brent Lewis (Royal Military College of Canada)
Bruce Matthews (LANL)
Bob Seidel (ANL)
David Senor (PNNL)
Jim Tulenko (University of Florida)
Kenan Unlu (Cornell University)

Agenda

The meeting followed the attached agenda.

Minutes of Last Meeting

The minutes of the last MSTD meeting, held June 8, 1998 at Nashville, TN, were approved as written.

Chair's Report

Doug Crawford reported on the report of the ANS Committee on Infrastructure and summarized the recommendations made by the Committee. Extended discussion followed on future Division structure and interrelationships.

Secretary-Treasurer's Report

Jim Laidler presented the Treasurer's report, as attached. It was noted that planned expenses for 1998 had not materialized and it was moved, seconded and approved unanimously to move planned 1998 expenses into 1999. The 1999 Budget Forecast, as forwarded to ANS Headquarters, is also reflected in this report.

Honors and Awards Chair's Report

Jim Stubbins was not in attendance and no report was available.

Technical Program Committee Report

Jim Tulenko reported that the Fuel Cycle and Waste Management Division approved a change in the frequency of LWR fuel performance meetings to a biannual schedule, with alternating MSTD and FCWMD sponsorship. The 2000 meeting will be held in Park City, Utah under FCWMD sponsorship; it was moved, seconded and approved unanimously to hold the following meeting in the year 2002, under the sponsorship of MSTD. This meeting will tentatively be held in France.

Prof. Tulenko also reported that the Global 2001 meeting will be held in Paris.

Bruce Matthews reported that the next Plutonium Futures conference will be held in mid-July, 2000 under LANL direction. He sought Level 4 co-sponsorship by MSTD (no cost or benefit to MSTD, promotion and publicization requested). It was moved, seconded and approved to co-sponsor this meeting, to be held at the LaFonda Hotel in Santa Fe.

Martin Grossbeck requested Level 4 sponsorship of the International Conference on Fusion Reactor Materials, to be held in Colorado Springs in October 1999 and hosted by PNNL. After agreeing that this meeting would not conflict with the Global '99 meeting six weeks earlier, the motion for co-sponsorship carried.

Dave Senior reported that there was one MSTD-sponsored technical session at this meeting on transient fuel behavior. Two MSTD sessions for the ANS June 1999 meeting in Boston are set, one organized by Kenan Unlu on Nuclear Methods in Materials Research, and one by Jim Stubbins on Materials Issues for Accelerator Applications. We are also trying to arrange sessions on (1) fusion reactor materials, (2) materials issues in fast reactor standby and restart, and (3) materials for isotope production.

For the Fall 1999 ANS meeting in Long Beach, we are seeking session organizers for sessions on (1) zircaloy cladding performance, (2) MOX fuel, (3) thermochemistry of materials, (4) materials issues in accelerator transmutation of waste, and (5) innovative nuclear fuels. Information provided to the national program committee (100-word summaries) for the Fall 1999 meeting will be made available on the MSTD web site.

Honors and Awards Committee Report

Jim Tulenko reported that the next Honors and Awards session will be held at the Fall 1999 meeting in Long Beach. Jim Stubbins will be advised so as to prepare for this event.

Membership Committee Report

Jim Tulenko distributed two tables (attached) showing membership statistics over the period 1994-1998. Foreign membership in MSTD increased by 2.3% from 1997 to 1998; over the same time period, U.S. membership declined by 7.6%, resulting in a net decrease of 6.4%. The corresponding change in total ANL membership was -5.7%.

Publicity Committee Report

No report.

University Interactions Report

No report.

International Liaison Report

No report.

Student Activities Report

No report. There have been no proposals received from student groups for support.

Nominating Committee Report

Doug Crawford reported that the Vice Chair nominee will be Samin Anghaie (University of Florida); the nominee for Secretary-Treasurer is Jim Laidler, although as pointed out by Martin Grossbeck, this may be in violation of the MSTD bylaws. Doug Crawford agreed to check on this legal issue. Three positions will be open on the MSTD Executive Committee, and there are several potential nominees for these vacancies: K. Murty, Kenan Unlu, Todd Allen, and Sean McDeavitt have agreed to have their names placed in nomination, and Michel Billaux and Fernando Iglesias are considering this possibility.

Further discussion centered on the number of people to be elected to the MSTD Executive Committee. It was agreed to try to increase the number of members to 15, by electing 5 per year.

A motion to accept the slate of nominees was carried.

Newsletter

Bob Seidel reported that he expects to publish a new MSTD Newsletter in January 1999.

Old Business

The chair congratulated Dave Senor on the very high quality of the MSTD web page. Members are encouraged to visit the site, accessed through the Uniform Resource Locator http://www.pnl.gov/ans_mstd/. This site is linked to the [ANS home page](#).

New Business

No new business items were raised.

The meeting was adjourned at 9:15 pm.

Attachments

Agenda

Secretary/Treasurer's report

Membership Data

Reported by:

James J. Laidler

Secretary/Treasurer

Materials Science and Technology Division