

## M&C EXECUTIVE COMMITTEE MINUTES

Hollywood, FL, June 9, 2002

Compiled by A. M. Ougouag

### Meeting Location and Time

The Mathematics and Computations (M&C) Division Executive Committee met at the American Nuclear Society (ANS) Winter Annual Meeting held in Hollywood, FL at the Westin Diplomat Resort and Spa Hotel between Sunday, June 9 and Thursday, June 13.

The Executive Committee meeting took place from 2:10 to 4:05 p.m. in room Conference Room 208. The meeting scheduled time was 2:00 to 4:00 p.m., but start was late due to an overrun by the M&C Program Committee Meeting.

### Attendees

The following people signed the attendance roster at the Executive Committee Meeting:

Attendee	Affiliation	Phone Number	e-mail Address
Madeline A. Feltus	US DOE	301 903 2308	<a href="mailto:madeline.feltus@hq.doe.gov">madeline.feltus@hq.doe.gov</a>
Glenn Sjoden	US Airforce	321-494-4955	<a href="mailto:glenn.sjoden@aftac.patrick.af.mil">glenn.sjoden@aftac.patrick.af.mil</a>
Charles Sparrow	Miss. State Univ.	662-325-7323	<a href="mailto:casparrow@futuresouth.com">casparrow@futuresouth.com</a>
Paul Turinsky	NC State Univ	919 515 5098	<a href="mailto:turinsky@ncsu.edu">turinsky@ncsu.edu</a>
Andy Smetana	WSRC	803 725 4192	<a href="mailto:andy.smetana@srs.gov">andy.smetana@srs.gov</a>
Robert Singleterry	NASA LaRC	757 864 1437	<a href="mailto:r.c.singleterry@larc.nasa.gov">r.c.singleterry@larc.nasa.gov</a>
Piero Ravetto	Politecnico di Torino	39 0115644443	<a href="mailto:ravetto@polito.it">ravetto@polito.it</a>
Alireza Haghghat	Univ. of Florida	352 392 1401	<a href="mailto:haghghat@ufl.edu">haghghat@ufl.edu</a>
Anil Prinja	Univ. of New Mexico	505-277-4600	<a href="mailto:Prinja@unm.edu">Prinja@unm.edu</a>
Roger Blomquist	ANL	630 252 8423	<a href="mailto:rnbloquist@anl.gov">rnbloquist@anl.gov</a>
Forrest Brown	LANL	505 667 7581	<a href="mailto:fbrown@lanl.gov">fbrown@lanl.gov</a>
B. Ganapol	Univ. of Arizona	650-604-3325	<a href="mailto:baryg@gaia.ape.nasa.gov">baryg@gaia.ape.nasa.gov</a>
Richard Sanchez	CEA Saclay	+33 1 69085404	<a href="mailto:richard.sanchez@cea.fr">richard.sanchez@cea.fr</a>
Bernadette L. Kirk	ORNL	865 574 6176	<a href="mailto:kirkbl@ornl.gov">kirkbl@ornl.gov</a>
Farzad Rahnema	Georgia Tech	404 894 3731	<a href="mailto:farzad.rahnema@me.gatech.edu">farzad.rahnema@me.gatech.edu</a>
Abderrafi M. Ougouag	INEEL	208-526-7659	<a href="mailto:oom@inell.gov">oom@inell.gov</a>

### Agenda

The M&C Executive Committee meeting agenda was submitted by Forrest Brown by e-mail prior to the meeting. He also distributed copies at the meeting. The agenda was as follows:

Executive Committee Meeting  
Mathematics and Computations Division  
American Nuclear Society  
Sunday, June 9, 2002  
2 - 4 pm – Westin Diplomat Resort and Spa, Hollywood, FL

1. Announcements - Forrest Brown

2. Secretary's Report - Abderrafi Ougouag  
- Approval of minutes from Reno meeting
3. Nominating Committee - Andy Smetana  
- Elections Results
4. Publicity/Newsletter - Todd Palmer
5. Membership - Madeline Feltus
6. Honors and Awards - Paul Turinsky
7. Topical Meetings:- 2003 Status - Bernadette Kirk
8. Standards - A Smetana
9. Program Committee Report - Ali Haghghat
10. Treasurer's Report - Steve Nolen
11. Old Business
13. New Business

### **Minutes**

The meeting was opened at 2:10 p.m. by Forrest Brown, the M&C Chair. The meeting started 10 minutes late because a previous meeting was still using the room. The chronological minutes from the meeting follows.

#### **1. Announcements:** (Forrest Brown)

1. Sushi Sub-Committee: Forrest announced that the Sushi Subcommittee would convene at 7:30 pm by the hotel registration desk and then attendees would proceed in groups to the appropriate location for conduct of the important business of this long established tradition of the M&C membership. Forrest pointed out that sushi can include cooked items and even (with a stretch of imagination) items that are not even seafood. The sushi subcommittee tradition is a very old one in the M&C Division. The tradition shows that M&C membership appreciates important things (such as good food and friendship) besides mathematics and computation. Many original members of the subcommittee no longer attend conferences, as they have retired. The tradition is a valuable one and all M&C members are encouraged to help perpetuate it.
2. The Joint Benchmark Committee met earlier in the day. At that meeting it was announced that a special session on benchmarks related papers is proposed for the next ANS Annual Winter Meeting in Washington DC. The membership was encouraged to submit papers for that session. (Note: a subsequent email message from Russ Mosteller indicated that he no longer considers this special session as planned for Washington because of a problem with the scarcity of available meeting rooms at meeting hotel in November. Indeed, it is expected that meeting rooms will be available for fewer than half of the planned sessions. It is therefore expected that many sessions will be either combined or converted to poster sessions. Therefore Russ advocates ready papers to other sessions in Washington or postponing papers on benchmarks until the ANS Annual Meeting in San Diego, FL).
3. A series of meetings devoted to the Monte Carlo method have been held periodically. The most recent was held in Lisbon in the year 2000. The next one is scheduled for 2005 in Oak Ridge (or organized by Oak Ridge). Bernadette Kirk is seeking co-sponsorship for this meeting by the M&C Division of ANS.
4. A meeting on the progress in preparing for the M&C 2003 Topical meeting is announced for 4:30 to 5:30 pm in Conference Room 220. At the meeting Bernadette Kirk and Yousry Azmy will describe the status of the preparation for the topical meeting.
5. The student conference in 2003 (only one such conference will be held that year) will take place at UC Berkeley. Students from the organizing committee are visiting the various committees that are meeting today, and may drop by.

6. On June 10 at 6:00 pm, in room 218, a special talk on the Space Nuclear Initiative will be presented.

## **2. Secretary's Report:** (Abderrafi Ougouag)

The minutes from the last M&C Executive Committee (Reno, NV) were presented. Several minor corrections were suggested then the minute were approved unanimously. The approved minutes, with incorporated corrections will be mailed to all attendees of the M&C Executive Committee meetings in Reno, NV and in Hollywood, FL.

## **3. Nominating Committee:** (Andy Smetana)

The results of the elections for the new M&C Division officers and the new members of the Executive Committee were announced.

The new officers are:

Vice-Chair	Roger Blomquist	<a href="mailto:RNBlomquist@anl.gov">RNBlomquist@anl.gov</a>
Treasurer	Glenn Sjoden	<a href="mailto:joedean@sprintmail.com">joedean@sprintmail.com</a>
Secretary	Piero Ravetto	<a href="mailto:ravettop@libero.it">ravettop@libero.it</a>

The new members of the Executive Committee are:

Cassiano R. E. de Oliveira	<a href="mailto:c.oliveira@ic.ac.uk">c.oliveira@ic.ac.uk</a>
Tom Sutton	<a href="mailto:sutton@kapl.gov">sutton@kapl.gov</a>
Madeline Anne Feltus	<a href="mailto:Madeline.Feltus@hq.doe.gov">Madeline.Feltus@hq.doe.gov</a>

The nominating committee was comprised of Andy Smetana (Chair), Bill Martin, Richard Sanchez, Jim Rathkopf, Elmer Lewis, and IK Abu-Shumays. The executive committee acknowledges the contributions of the nominating committee, thanks all the nominees for accepting to serve, and congratulates all those newly elected and wishes them a successful term of duty.

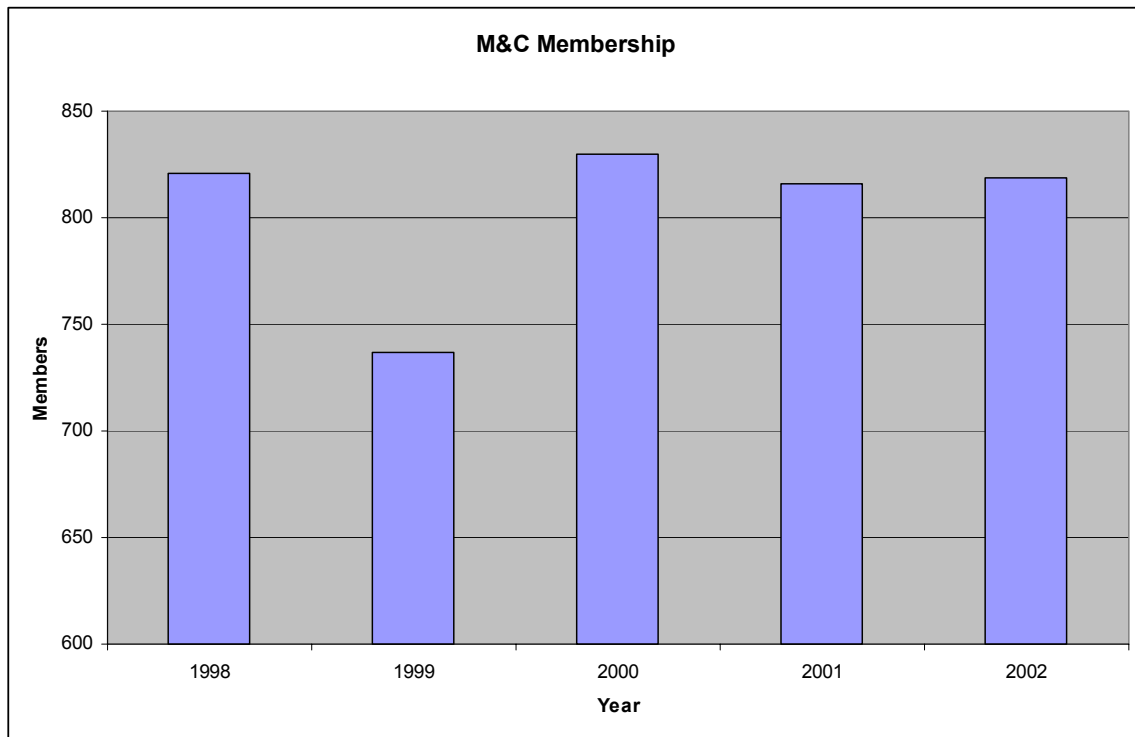
## **4. Publicity/Newsletter:** (F. Brown for Todd Palmer)

The newsletter of the division was mailed the week prior to the conference (and hence the week prior to this meeting). The newsletter is also available on the web. Per F. Brown, Todd Palmer did an excellent job putting the newsletter together.

## **5. Membership:** (Madeline Feltus)

The membership of M&C remains fairly constant around 820 (for the last five years). The evolution of membership is shown in the following graph. Not apparent from the graph is fluctuation phenomenon that could be termed the "Summer Phenomenon." The Division membership is lowest in the Summer and higher in the Fall. Since National ANS reports our membership numbers to us in or about March, the reported numbers (on which our budget for the year concerned is based) are smaller than the final actual tally for the membership year. This phenomenon is due in part to the tendency of student members to pay their membership later in the school year. This can be an important factor for our division as student account for about 160 of the total membership of about 820. This phenomenon also points to the necessity for our members to pay their dues as early as possible, and preferably before the February-March reporting cutoff.

The Operations and Power Divisions merged. This is not expected to impact our membership levels, as most of our members are usually members of the Reactor Physics and the Radiation Protection and Shielding Divisions. Actual changes in membership are usually the results in personal changes, such as career changes.



### **Out-of-Agenda Item**

Darby Kimball and Lance Kim, students at UC Berkeley and co-General Chairs of the 2003 Student Conference gave a short presentation about the plans for said conference. The conference is scheduled for April 2<sup>nd</sup> to 5<sup>th</sup>, 2003. The theme of the conference is “Living in a Nuclear-Free Zone.” The conference will include a job fair. The two students asked all present to reach their respective Human Resources Department and to encourage them to send representatives to the conference to recruit students, demonstrate to UC Berkeley students and others that nuclear engineering offers genuine employment opportunities.

The presenters did not ask directly for financial support for their conference at this point. However, their flyer indicates that they seek financial support. In addition, they plan to raise funds by charging a booth fee to the participants in the job fair. The M&C Executive Committee has already planned to consider continued financial support for student conferences (see previous M&C Executive Committee meeting minutes).

### **6. Honors and Awards: (Paul Turinsky)**

6.1 Prof. Turinsky reported that owing to the generosity of SAIC, in the form of a \$15,000 gift, the Pomraning Award is now fully funded.

The award (to be conferred every two years when suitable candidates are identified) will consist of a plaque and a monetary award of about \$1000, depending on earnings in the two-year period preceding

the conferring of the award. This award is a National ANS award, not an M&C Division award, thus, the award will be listed in ANS News. However, the M&C Division will make the decisions regarding conferring the award, and the award will be given to the recipient at a ceremony during M&C Topical meeting following the selection. The recipient will also receive a complimentary registration at the M&C Topical meeting at which the award would be bestowed.

Prof. Turinsky prepared and presented the description of the information sheet about the creation and administration of the award. The sheet has been forwarded to National ANS for action. A brief discussion followed the reading by Prof. Turinsky. A consensus developed that the award description and the criteria for nomination and selection of winners are acceptable to the M&C constituency.

- 6.2 Prof. Turinsky prepared and presented a new description and information sheet about the M&C Distinguished Service Award. A brief discussion followed the reading by Prof. Turinsky. A consensus developed that the award description and the criteria for nomination and selection of winners are acceptable to the M&C constituency.

The M&C Distinguished Service Award is a division-level award. It is to be conferred every two years. The award will consist of a plaque and a monetary award of \$500. The recipient will also receive a complimentary registration at the M&C Topical meeting at which the award would be bestowed.

- 6.3 The M&C Division has nominated Dr. Yousry Y. Azmy to the rank of Fellow of ANS. He is to be officially inducted as a fellow at the Honors and Awards banquet on Tuesday.

Each member of the H&A committee has been asked to identify up to ten M&C Division members who should be considered for the rank of fellow. This information will be used to identify members who in the future will be nominated for fellow membership grade.

## 7. Topical Meetings:

Topical Meetings Report: the reports regarding progress on the preparation of future topical meetings figure prominently in the minutes of the program committee meeting. The relevant reports are included here by reference. It was reiterated that topical meetings affect the Division's budget.

**PHYSOR-2002 Topical Meeting:** (Nam Zin Cho) the status of the organization of this conference was presented in detail, including a 19-page progress report. As previously publicized, the meeting is scheduled for October 6-10, 2002 in Seoul, Korea. A large number of papers have been submitted (total of 388). The papers originated from all around the globe, the US being the largest single contributing country (76 papers), followed by Japan (52), Korea (47), Russia (40), and France (39). Twenty-six other countries submitted the balance of the papers.

The statistics on the review process are tabulated below:

	Number of Papers	Percentage
<b>Accept</b>	123	31.8%
<b>Accept with Suggested Revision</b>	226	58.1%
<b>Reject Unless Revised</b>	6	1.6%
<b>Total</b>	388	100%

As of June 7<sup>th</sup> 203 full length papers had been received.

The format of the conference was presented. It is planned to have no more than four concurrent sessions at any time, with a single plenary opening session on October 7<sup>th</sup> (with keynote addresses), and only three concurrent oral sessions plus a poster session on the last day (October 9<sup>th</sup>). In addition, on Sunday October 6<sup>th</sup>, a workshop on the PENTRAN S<sub>N</sub> code and the Fourth OECD/NRC BWR TT Benchmark Workshop

will be held. Finally, the conference will be complemented with sightseeing tours. Additional details may be found on the conference official web site at <http://physor2002.kaist.ac.kr>. The registration fee is to be \$425 before August 15<sup>th</sup> and \$500 after that date. Page charges or \$425 in lieu of registration (but including complimentary registration) could have been paid until June 15<sup>th</sup>.

**2003 Topical Meeting:** (Bernadette Kirk) the status of the organization of the 2003 M&C Topical meeting was presented in detail at the M&C Program Committee meeting (including a video presentation). Bernadette Kirk reiterated the main lines and issues at the M&C executive committee meeting.

The call for papers had been previously issued. The latest version is on the Conference Web Site (<http://meetingsandconferences.com/MC2003>). A special plenary session, A Century in Review, on the historical development and current status of computational methods of reactor physics is planned. The distinguished speakers, all invited, have already committed themselves to participate. These are Ed Larsen and Jim Morel (transport methods of the first order), Elmer Lewis (transport methods of the second order), Jerry Spanier (Monte Carlo), Kord Smith (reactor core methods), Dick Hwang (cross sections), Jack Dorning (reactor kinetics and dynamics), Dan Cacuci (sensitivity, uncertainty, and perturbation theory), and Elliott Whitesides (criticality safety methods). This special plenary session will be dedicated to the memory of Ely Gerlbard who, per Yousry Azmy, was very helpful with advice and guidance on the organization of the session and the selection of the speakers. In addition, several special sessions devoted to topics of interest to the M&C constituency are being organized by volunteer members.

**8. Standards:** (Andy O. Smetana) Andy reported that following a request by the M&C Executive Committee, he conducted a survey of the usefulness of the standards maintained by the ANS-10 standards subcommittee. The goal was to ascertain whether that subcommittee should be disbanded. The outcome of the survey is that the subcommittee is not to be disbanded and that it should continue to function. The standards maintained by the ANS-10 subcommittee and the sales they generated in the period from November 2000 to November 2001 are:

Standard	Latest Revision	Sales
ANS-10.2-2000	2000	52
ANS-10.3-1995	1995	7
ANS-10.4-1988-R1998	1988 Reaffirmed 1998	22
ANS-10.5-1994	1994	5

It appears from the data shown above that sales of a particular standard peak immediately following a revision. It is unknown if the sales shown above are to individuals or subscribers (such as libraries or other institutions).

The data shown above demonstrate that standards are useful and that the Division should continue to maintain them. This raises the issue that maintenance work on some standards is on the verge of becoming overdue. In particular, the standards

- 1) ANS-10.5-1994, Accommodating User Needs in Computer Program Development
- 2) ANS-10.3-1995, Documentation of Computer Software

are in urgent need of maintenance. These should be revised, reaffirmed or withdrawn. Dr. Charles Martin of the DNFSB, in a letter sent to Andy, concurs with this conclusion regarding ANS-10.4.

Andy expressed that he is still having great difficulty attracting volunteers to work on these standards. In the past small standards (i.e., ANS-10.2 revision in 2000) could be revised by as few as two people. It is doubtful that the revision of larger standards, such as ANS-10.4, could be managed by so few.

A revision of ANS-10.4 was attempted about 4-4 years ago. This effort went through several Working Group Chairs and produced a draft revision, but the Working Group was not able to resolve the comments

on the draft and the effort fell apart. Andy has a copy of the draft, which he would make available to a new Working Group if one could be assembled. Such a Working Group should look at ANS-10.4 and at possibly related IEEE standards and make the recommendation on how to proceed (adapt the ANS standard to be complementary with current IEEE standards and to avoid unnecessary duplication).

Note: the two standards in need of maintenance (ANS-10.5 and ANS-10.3) have been granted extensions through 2002 and 2003, respectively. Andy Smetana reiterated that volunteers are needed to work on these (and other) standards. He asked that he be contacted ([andy.smetana@srs.gov](mailto:andy.smetana@srs.gov)) by all those interested in helping. Work on individual standards is done almost exclusively using email or by telephone, so no travel expenses are required.

**9. Program Committee Report:** (A. Haghighat) the Program Committee met earlier in the day.

Alireza Haghighat reported that at this meeting three general sessions were sponsored by the M&C Division. Also, he related that seven sessions on DOE Sponsored Research are organized at this meeting (though not by the M&C Division).

Prof. Nam Zin Cho informed the MCD Program Committee that to-date the PHYSOR-2002 meeting organizers have received 203 full length papers, and the number is expected to rise to exceed 300 in the near future. (See details above under Topical Meetings heading).

The M&C 2003 Topical organization is moving well and on schedule. The deadline for submittal of full-length papers is October 21 2002. (See details above under Topical Meetings heading).

A special session on the "Use of Particle Transport Methods in Medical Applications" is being organized. Also, the MCD roundtable will be dedicated to the memory of Dr. Ely Gelbard. Roger Blomquist is the organizer/coordinator for this session.

No proposal was submitted for organizing a special session for the 2003 Summer Annual Meeting in San Diego, CA. In case there is interest in submitting a proposal for a special session at that meeting, the deadline is July 1, 2002. For further detail Prof. Anil Prinja should be contacted.

Following the summaries shown above, a discussion on how to encourage the organization of special sessions by MCD members ensued. It was suggested that the Chair of the Program Committee or the Chair of the Division (or both) should send email to the constituency, prompting members to propose sessions and notifying them of pending deadlines for action. It was proposed that the form for organizing sessions should be included in the email as attachment. The email should be sent roughly two weeks before each annual meeting, thus giving interested persons the time to come to meeting with prepared proposals for special sessions (or the time to send such proposals to the Program Committee Chair, should they not plan to attend the conference).

The MCD should have a target of at least 1 to 2 special sessions per Annual meeting. ANS National expects us (the MCD) to sponsor 4 or more sessions at every meeting.

**Action item:** the MCD Chair and the Program Committee Chair are to coordinate their actions and issue the appropriate email notes on time to prompt organization of special sessions in time prior to each of the next two Annual Meetings.

At the conclusion of the Program Committee report presentation and the discussions that followed, the MCD Chair, Forrest Brown thanked Alireza Haghighat and Bob Singleterry for their service to the Division over the previous two years as co-Chairs of the Program Committee and commended them for their dedication to our Division and its objectives. Then, Forrest Brown reiterated the information that he had previously sent by email that Prof. Anil Prinja has been appointed the new Chairperson of the Program Committee. All present congratulated Anil and wished well with his new obligations.

Note: Following the conclusion of the meeting, Richard Sanchez, the new MCD Chair, announced by email that Alireza Haghghat has agreed to assist Anil Prinja with the duties of the program committee. Thus, Richard appointed Alireza to serve as the Program Committee Assistant Chair for a yet undetermined period of time.

#### **10. Treasurer's Report:** (F. Brown for S. Nolen)

Forrest Brown asked Dr. Glenn Sjoden, the Treasurer Elect, to make sure that ANS National receive the most recent approved budget of the MCD. That budget was approved at the Reno meeting, in November 2001. That budget, in table format is included in the minutes of the Reno MCD Executive Committee meeting and is included below (end of these minutes) for convenience. Since the budget and the minutes have been approved, the provisions therein are binding unless subsequently amended by a vote of the MCD Executive Committee.

**Action Item:** The treasurer will act to make the budget available to the appropriate persons at ANS National.

The continuation of the practice of the MCD of supporting student travel to MCD conferences and Annual Meetings was discussed. The following items were proposed or recommended:

- MCD should provide a \$1000 donation to support the Student Conference in Berkeley, CA
- MCD should provide \$250 for awards to student presenting the best M&C related papers at the Student Conference. This amount should provide \$125 for the best paper by a graduate student and \$125 for the best paper by an undergraduate student. The awards should be announced in advance by the conference organizers.
- MCD should continue to provide \$500 to ANS National per National Meeting to support student travel and attendance. MCD should consider making this a permanent provision of our budgetary structure.
- MCD should provide \$1000 every other year to support students travel and participation in the M&C Topical Meeting.

A consensus quickly developed that the M&C Executive Committee should take up the above items at the Washington Annual Meeting (November 2002), while taking into account the items already obligated.

In the discussion of the new awards summarized above, it was proposed that the registration fee to the M&C Topical Meeting be waived for the recipients of those awards (the Pomraning Award and the M&C Distinguished Service Award). Since the collection of registration fees is not under the purview or authority of the M&C Executive Committee, it was recognized that the complimentary registration can be offered only as a result of the introduction of a new policy into the modus operandi of the MCD. As a consequence, Singleterry and Ganapol made the following motion:

“In addition to all existing conditions for bidding to host an M&C Topical meeting, the future bidders are required to include the following agreement clause into their bids:

‘The recipients of the Pomraning Award and the M&C Distinguished Service Award for the year in which the Topical Meeting is bid for shall receive complimentary registrations to attend the conference and its functions, including the awards ceremony (or banquet if applicable).’

The provisions of this motion are to be checked against MCD bylaws for validity and applicability. The MCD Chair shall verify that the MCD Bylaws allow this requirement and shall take action to amend or adapt the bylaws to ensure compatibility otherwise.”



The motion passed unanimously

It was a consensus that the provisions of this motion do not apply to the M&C-2003 Topical Meeting. However, it was recommended that the MCD Chair consult with the organizers of the 2003 Topical to seek their concurrence with the implications of this motion and their agreement for voluntarily apply its recommendations.

**Action Item:** The MCD Chair must check the MCD bylaws and the requirements for bids to host M&C Topical Meetings and initiate appropriate changes if necessary in order to implement the results of the above motion.

**Action Item:** The MCD Chair is to consult with the organizers of the 2003 Topical to seek their concurrence with the implications of the above motion and to encourage their agreement for voluntarily apply its stipulations.

The financial support that our division provides for student travel at ANS Meetings is regularly acknowledged. For example, a letter dated January 8, 2002, from Mr. Tristan Schaefer (Undergraduate at PennState) to Forrest Brown, our Chair, states among other items "Thank you for the funding I have received to defray some of my travel expenses for the ANS Winter Meeting in Reno, Nevada. Being a full time college student and working part-time is usually not enough to cover the expenses during the semester, including trips that are both educational and beneficial to my career in the nuclear industry. Your funding is greatly appreciated." Forrest also received a letter dated January 2, 2002, from Paul Wilson, Chair of the ANS Students Section Committee, thanking the division for the continued financial help in support of student travel to conferences. After three paragraphs explaining the potential benefits to ANS and to MCD in supporting student attendance at ANS conferences, the letter states "The Mathematics and Computation Division is to be commended for its long and continuing support of this program and sets an example for all ANS Professional Divisions."

## 11. Old Business:

The action items from the previous meeting are listed in the minutes from the Reno meeting approved as the first item of business. The resolution and conclusions of those action items are shown below.

**Action item:** Forrest to contact Madeline to encourage her to contact those who recently dropped out of the division and encourage them to re-join.

**Outcome:** the proper actions were taken by those concerned and the item is **closed**.

**Action Item:** Bill Martin is to continue seeking to prompt a major gift from SAIC in support of the Pomraning Endowment. If the efforts ultimately do not work, Paul Turinsky would talk to the ANS President, Gail Marcus, regarding making progress on the Endowment an ANS matter.

As stated in report of the Honors and Awards Committee, the Pomraning Award is now reality, thanks to the generosity of SAIC and to the perseverance of all involved. The MCD Executive Committee unanimously thanks the proponents (Bill Martin, Paul Turinsky and others who helped) for a job very well done and to congratulates them on the great outcome. This action item is now **closed**.

**Action Item:** Paul Turinsky suggested that the Division should offer a ticket to the president's reception to students that have papers in M&C sponsored sessions. The modalities of application of this recommendation are:

1. The M&C Program Chairperson identifies students who have papers at the conference and emails the list to the Division Chair.
2. The Division Chair then figures out how to forward tickets to the President's reception to the students in a timely fashion.

**Outcome:** No M&C Students were identified at this meeting. The item is closed for this meeting, but remains open for the new Chair to consider for future meetings. Item Action is **continuing**.

**Action Item:** The M&C Program Chairperson shall identify students who have papers at the next conference and shall email the list to the Division Chair. **Continuing**.

**Action Item:** M&C Chair will talk to RPD to see if this could be changed into a permanent arrangement.

Background: 2001 Topical Meeting Budget Consideration: the question was raised as to whether RPD should be offered a share of M&C profits from this latest topical meeting. In recent past, the PHYSOR 2000 conference gave 5% of its net total profits to the M&C division and 15% to RPD (that is 25% of the profits share that would have normally been assigned to RPD were in fact given to M&C). It was suggested and approved by consensus that the M&C division should reciprocate by giving 25% of the division share of the recent net profits to RPD. The net division share of the proceeds from the topical is tentatively estimated at \$11,159. A final figure should be available by the time these minutes are due for approval.

**Outcome:** The MCD (Forrest Brown) and RPD (David Kropatchek) Chairpersons have discussed the matter and have agreed to make the arrangement permanent.

A discussion followed regarding making this a formal arrangement. A consensus developed to keep not formal, thus no action on MCD Bylaws are required. The outgoing Chair encouraged the incoming Chair to continue the dialogue with the RPD counterpart. Action Item is **closed**.

## 12. New Business:

Prof. Farzad Rahnema discussed the outcome of the Dannel Scholarship winner selection process. He indicated that a lot of applications come from non M&C related applicants. That is many of the applicants do not conduct nor do they plan to conduct work in an M&C related area. A consensus developed that the applicants for (and certainly the recipients of) the Dannel Scholarship should be conducting or planning to conduct work in an area related to M&C. Farzad will be looking into this.

**Action Item:** Prof. Rahnema is to look into the criteria for application and awarding of the Dannel Scholarship and into means of making them more compatible with the goals and interests of the MCD.

Bernadette Kirk announced that the ANS Local Section at Oak Ridge is planning to host the Monte Carlo 2005 conference (Karlsruhe 1997, Lisbon 2000). It is expected that the conference would be held in April or May of that year (with early indications that it could be in the second or third week of April). It appears that sponsorship for the meeting is already expected from the Radiation Protection and Shielding Division. Bernadette asked for co-sponsorship by MCD. She indicated that the organizers would share profits with MCD. Singleterry and Sanchez moved that "MCD is co-sponsoring Monte Carlo 2005 for April or May 2005, provided that conference does not conflict with the M&C Topical Meeting scheduled for the same year." Motion passed unanimously.

As the meeting drew to a close, Barry Ganapol asked to be heard. On behalf of the Executive Committee and the Division, Barry thanked Forrest for having faithfully discharged his duties as the MCD Chair and congratulated him for the excellent job he did over the past year. Richard Sanchez then asked Forrest to provide assistance to him in his role as the new Chair, to which Forrest graciously agreed.

As the outgoing Chair, Forrest acknowledged his new role as the Chair of the Nominating Committee (following the MCD tradition and Bylaws provision that the outgoing MCD Chair assumes the role of Chair of the MCD Nominating Committee). Forrest asked for members for the Nominating Committee. Prof. Rahnema, Dr. Singleterry, and Prof. Ganapol agreed to serve. Others may be asked to join later.

The meeting was adjourned at about 4:05 pm.

**M&C Budget as Approved in Reno, NV, in November 2001 (from Reno M&C Executive Committee Meeting Minutes)**

	<b>M&amp;C Division Financial Report</b>				
	Current	Winter 2001	Summer 2002	Winter 2002	Summer 2003
<b>Budget Funds</b>					
Previous Balance	\$16,781				
Tentative Proceeds from Topical	\$11,378				
<b>Total</b>	<b>\$28,159</b>				
<b>Awards</b>					
Distinguished Service Award	(\$500)				
Disting. Service Award Plaque	(\$100)				
Student Paper	(\$250)		(\$250)		
<b>Total</b>	<b>(\$850)</b>	<b>\$0</b>	<b>(\$250)</b>	<b>\$0</b>	<b>\$0</b>
<b>Student</b>					
M&C Topical					(\$2,000)
President's Reception			(\$125)	(\$125)	(\$125)
Travel	(\$1,000)	(\$500)	(\$500)	(\$500)	(\$500)
Student Conference			(\$1,000)		
<b>Total</b>	<b>(\$1,000)</b>	<b>(\$500)</b>	<b>(\$1,625)</b>	<b>(\$625)</b>	<b>(\$2,625)</b>
<b>Scholarships</b>					
Dannel		(\$3,000)		(\$1,000)	
<b>Other</b>					
RPD 25% final from Topical		(\$2,845)			
<b>Balance</b>	<b>26309</b>	<b>19964.5</b>	<b>18089.5</b>	<b>16464.5</b>	<b>13839.5</b>

The columns labeled Current, Winter 2001, Summer 2002 and Winter 2002 were proposed in a motion and approved.  
[www.mcd.ans.org](http://www.mcd.ans.org).