

**Minutes of the RPD Executive Committee
June 17, 2001**

In Attendance:

| | | |
|-------------------|------------------------------|------------------------|
| Dave Kropaczek | Vice-Chair (Chair Elect) | GNF |
| Russ Mosteller | Treasurer (Vice-Chair elect) | LANL |
| John Ryskamp | Immediate Past Chair | INEEL |
| Charles Rombough | Past Chair | CTR Technical Services |
| Dimitri Cokinos | <i>ex officio</i> EC member | BNL |
| Kord Smith | <i>ex officio</i> EC member | Studsvik |
| Jess Gehin | EC member (TPC Chair) | ORNL |
| Baard Johansen | EC member (Secretary elect) | Westinghouse |
| Dale Lancaster | EC member | NuclearConsultants.com |
| Luiz Leal | EC member | ORNL |
| Ivan Maldonado | EC member | GNF |
| Ben Rouben | EC member | AECL |
| Robert St. Clair | EC member | Duke |
| Youssef Shatilla | EC member elect | Westinghouse |
| Timothy Valentine | EC member elect | ORNL |
| Steve Baker | | Transware Enterprises |
| Bernadette Kirk | | ORNL |
| Shawn Bennett | Student | Texas A&M |
| Marsha Chesleigh | Student | Penn St |

RPD Vice-Chair Dave Kropaczek (acting on Ted Parish's behalf) called the meeting to order at 4:20 PM in the Room 202-E of the Midwest Express Convention Center, Milwaukee, WI. RPD Secretary-elect Baard Johansen served as secretary for the meeting.

Russ Mosteller recognized Dimitri Cokinos as the newest ANS Fellow.

1. Secretary's Report (presented by Dave Kropaczek, on behalf of Phillip Finck)

The minutes for the November 2000 meeting in Washington, DC were distributed electronically prior to the Milwaukee meeting. Hard copies of these minutes were also available. The minutes were approved unanimously.

2. Treasurer's Report (Russ Mosteller)

Russ Mosteller distributed copies of the 2001 RPD budget, current to June 1, 2001 (see Attachment 1).

The Current Year Member Allocation increased from \$1031 in 2000, to \$1237 in 2001. This reflects a 206 member, or 20% increase in RPD membership. This increase was confirmed with Christian Krapp, Manager of ANS Finance and Accounting.

RPD has not yet received any money based on the number of RPD sessions and papers organized at the two ANS meetings in 2000. Based on the changes adopted as part of Infrastructure III, RPD should receive approximately \$500. Jess Gehin committed to follow-up on this with the ANS National Program Committee.

The payment to the Henry/Greebler scholarship fund has not been made yet. In subsequent meeting discussion (see Item 3), a motion to transfer \$10,000 to the endowment was unanimously approved. With this budget change, the 2001 budget excess is estimated at \$9,656 and should be sufficient to support 2002 and 2003 budgets, even conservatively assuming no RPD revenues from PHYSOR 2002.

3. Henry/Greebler Scholarship (Kord Smith)

Kord reported that the Henry/Greebler Scholarship is currently the highest funded ANS scholarship; as of June 1, 2001, the endowment balance is approximately \$50,000. A motion was made by Dale Lancaster, and seconded by Jess Gehin, to authorize a \$10,000 budget transfer to the scholarship endowment to honor the memory and legacy of Allan Henry. Russ Mosteller confirmed that this funding could be responsibly supported in the RPD 2001 budget. The motion was unanimously approved.

Kord discussed an upcoming solicitation to MIT Nuclear Engineering alumni for support of the Henry/Greebler scholarship and the upcoming RPD special sessions at the 2001 Winter ANS meeting in Reno to recognize the legacy of Allan Henry.

4. Program Committee (Jess Gehin)

Jess reported that 41 papers (~20% of the total ANS papers) would be presented at the Milwaukee meeting. This is the same number presented at the Washington meeting.

In addition to the two standing sessions, one special sessions has been organized: "Present Status of Reactor Physics in the United States and Japan" (organized by Dr. Youssef Shatilla of Westinghouse and Prof. Toshikazu Takeda of Tokyo University). Due to the efforts and success of these organizers, the 26 papers were solicited for this special session requiring they be split over four sessions.

Four paper were nominated as finalists for the Best Paper Award at the Milwaukee meeting:

- Analysis of High Moderation MOX Core MISTRAL-3 with SRAC and MVP, Kazuya Ishii (Hitachi), Masahiro Tatsumi (NFI), Koki Hibi (MHI), Koichi Sakurada (Toshiba), Toru Yamamoto, Yutaka Iwata, Masao Ueji (NPEC)
- Design Studies for Maximizing the Discharge Burnup of Liquid-Metal-Cooled ATW Systems, Won Sik Yang (Chosun Univ), Temitope Taiwo (ANL)
- Removal of Numerical Singularity in Analytical Nodal Methods via Continued Factoring, Sweng Woong Woo, Nam Zin Cho (KAIST), Jae Man Noh (KAERI)
- Angular Dependence of the Fast Flux in Reactor Lattices, Marvin Adams (Texas A&M Univ)

The Reno meeting has five special sessions being planned:

- Concept Design and Physics Analysis of Generation IV Nuclear Energy Systems (organized by Gray Chang)
- Physics Testing in Commercial Reactors (organized by Bob St. Clair)
- Advanced Nodal Methods: The Legacy of Allan F. Henry (organized by Russ Mosteller and Kord Smith)
- Reactor Physics, Mathematics, and Computations: The Legacy of Allan F. Henry (organized by Russ Mosteller and I. K. Abu-Shumays)
- Calculations of Decay Heat and radionuclide Inventories (organized by Dave Carpenter)

With the exception of the last session, the session organizers report very good progress in soliciting papers. The "Decay Heat" session could become folded into the RPSD and NCSD criticality sessions if it fails to gain much support.

Kord noted that the two sessions dedicated to the legacy of Allan Henry will each begin with a reminiscence of Allan and a review of his contributions in the session topic area. Several of Allan's colleagues have expressed interest in participating. These sessions look to be a tremendous success and a fitting tribute to Allan Henry.

No special sessions have yet been proposed for the Hollywood meeting (June 2002). Four topics were suggested at the TPC meeting (Monte-Carlo advances, 2D transport advances, extended cycle fuel management, and safeguards), and TPC members were assigned to prepare special session applications. Jess needs these by mid-July so he can circulate to the TPC for approval and submit to ANS by the July 27 deadline.

5. ANS 19 Standards Committee (Dimitri Cokinos)

Dimitri reported that work is proceeding on three standards:

- 19.3 (Steady State Calculation of Reaction Rates in LWRs) – Ben Rouben took over chairmanship a few months ago, and is making excellent progress;
- 19.6.1 (Startup Physics Testing) – Charles Rombough is leading an all-day working group meeting at the Milwaukee meeting, and is making good progress;
- 19.10 (Accumulation of Fast Fluence on PWR Vessel) – there is a desire to extend the standard to BWR plants; a draft standard has been prepared, though Dimitri feels it is overly prescriptive; the committee is considering his comments, and a revised draft is expected by November 2001.

Dimitri noted that attendance at the Standards Committee meeting is waning (only ~10 attendees in Milwaukee) since it was moved from the traditional Monday morning slot to Sunday morning. The schedule change was made to comply with a National Program Committee recommendation to not schedule committee meetings during the technical and plenary sessions. Dimitri proposed moving the Standards Committee meeting in November 2001 back to Monday morning; formal support was received by the EC.

Dimitri voiced concerned with the Standards Committee membership process – currently anyone interested, though not necessarily qualified, can join the committee by submitting an application to ANS. At Reno, Dimitri plans to propose an additional requirement that the candidate application be reviewed and accepted by the Standards Committee chair.

Dale Lancaster reported that Bill Lake of DOE/RW has recommended standards be developed on the analytical methodologies for criticality burnup credit. Several EC members concurred noting the timing was appropriate given that the NRC has not yet established criteria. Dale committed to identify the scope and present to Dimitri.

Dimitri committed to provide ANS 19 Standards abstracts for the RPD website.

6. Honors & Awards Committee (Dimitri Cokinos)

Dimitri reported that the 2000 Wigner award winner, Prof. M.M.R. Williams was presented his award on March 29, 2001 at the U.S. Embassy in London.

The committee plans to propose a 2001 Wigner award candidate to the EC for vote at the November 2001 meeting. The EC encouraged the H&A Committee to clearly present the candidate qualifications to the EC at this next meeting.

7. Goals and Planning Committee (John Ryskamp)

John reported that at the Washington meeting, the committee developed draft 5-year RPD goals that are aligned with the ANS national goal structure. Three rounds of e-mail review was subsequently performed. At this meeting, it was recommended that Goals B.13 and B.14 be reassigned to the RPD Webmaster, and that B.17 be reassigned to the RPD Liaison to Publication Committee. The amended goals were unanimously approved.

A motion to make the RPD Webmaster an *ex officio* member of the RPD Executive Committee was unanimously approved. Atul Karve of GNF was formally assigned as RPD webmaster (see Item 8).

8. RPD Website (Dave Kropaczek)

Dave reported that the RPD webmaster, Atul Karve of GNF, is making good progress in establishing a new website - <http://rpd.ans.org>. Dave had solicited website content feedback from EC members. His plan is get key RPD information (e.g., Newsletter, RPD goals and status, RPD topical and ANS meeting information, Best Paper Awards, Scholarship and Awards information) uploaded to the website as soon as possible.

9. RPD Election Results - New RPD Officers/EC Members (Dave Kropaczek)

Dave reported that the following individuals were elected as RPD officers and Executive Committee members:

| | |
|----------------------------------|---|
| Chair: | Dave Kropaczek |
| Vice-Chair/Chair-Elect: | Russ Mosteller |
| Treasurer: | Phillip Finck |
| Secretary: | Baard Johansen |
| Executive Committee (3 yr term): | Robert Jacqmin Youssef Shatilla Tim Valentine |

Terms will begin immediately following the Milwaukee ANS meeting.

10. RPD Executive Committee Replacement Member (Russ Mosteller)

Russ reported that, per Articles B6 and B8 of the RPD bylaws, with the election of Baard Johansen to Secretary, his position on the Executive Committee (scheduled to expire after the June 2003 ANS meeting) must be resigned and subsequently filled by the EC for the unexpired term.

It was recommended that an outgoing member of the EC fill the vacated position for a one-year term. Dale Lancaster confirmed his strong interest to continue his EC participation; a motion to appoint Dale to the vacated EC position was approved unanimously.

11. PHYSOR 2002 Status Report (Nam Zin Cho)

Professor Cho is the technical program chair for PHYSOR 2002 - “The International Conference on the Frontiers of Nuclear Technology: Reactor Physics, Safety, and High-Performance Computing,” to be held in Seoul, South Korea, October 7-10, 2002. He reported that the first formal organizing meeting of the TPC was held at the Washington meeting and had over 60 attendees. A follow-up meeting will be held at the Milwaukee meeting.

1000-word summaries are due January 15, 2002, and final papers are due May 31, 2002.

Professor Cho noted that their program committee will organize the electronic paper review themselves. Baard Johansen offered to review the PHYSOR2000 electronic paper review software to see if it lends itself to re-use.

12. 2003 M&C Topical Meeting (Bernadette Kirk)

Bernadette solicited RPD co-sponsorship (along with RPSD) of the M&C Topical Meeting “Nuclear Mathematical and Computational Sciences: A Century in Review – A Century Anew” to be held in Gatlinburg, TN, April 7-10, 2003. This is a Class I meeting and their topical meeting application proposed 5% profit share to RPD, with an estimated profit share of \$1,757. The TPC recommended co-sponsorship, and the motion to co-sponsor this conference was unanimously approved by the EC.

13. Advances in Fuel Management III Topical Meeting (Dave Kropaczek)

Following on the successes of the previous two Advances in Fuel Management topical meetings in 1986 and 1997 (the last with 130 papers and 210 attendees), Dave reported that the ANS Eastern Carolinas Section is proposing a “FM3” meeting to be held at the Palmetto Dunes Resort, Hilton Head Island, SC. This is proposed as an ANS Class 1 meeting with co-sponsorship by FCWM. The key program officers would be Dave Kropaczek (General Chair), Youssef Shatilla (TPC Chair), John Caves (Finance Chair), Atul Karve (Publications Chair) and Paul Turinsky (Honorary Chair). Five ½-day sessions are anticipated. The technical program scope would be very similar to the 1997 meeting with focus on the front-end nuclear fuel management activities, within the context of reactor physics applications and fuel cycle economics.

It was learned at the Milwaukee meeting that the proposed late-March 2003 meeting date would conflict with the April 2003 M&C Topical Meeting. Dave will investigate an early-October 2003 meeting date (need to avoid the September hurricane season in SC), though this may be too close to the ANS Winter Meeting date and not be acceptable to ANS. Despite the possible conflict with the M&C topical meeting, the TPC recommended approval of the meeting proposal and this motion was unanimously approved by the EC.

14. ANP 2003 / GENES4 Topical Meeting (Jess Gehin)

Professor Yoshiaki Oka is the general chair of “ANP 2003 / GENES4”, a joint AESJ/ANS embedded topical meeting on advanced nuclear plants in conjunction with the AESJ Fall Meeting in Shizouka, Japan, September 20-22, 2003. Professor Oka requested RPD endorsement of this ANS Class 2 meeting (i.e., no financial implications for RPD). The TPC recommended endorsement, and the motion to endorse this conference was unanimously approved by the EC.

15. 2004 RPD Topical Meeting Applicants (Jess Gehin)

Jess reported that the selection of the 2004 RPD topical meeting host ANS section will be made at the November 2001 meeting. Jess distributed invite letters to section officers attending the Local Sections Workshop at the Milwaukee meeting.

The Chicago local section expressed interest, but was considering a possible joint conference with RPSD. The TPC expressed concern with the possible dilution to RPD revenues; Jess took the action to emphasize to the local section that they should review the RPD Site Selection Criteria and clearly describe their financial model if they pursue a joint meeting.

The Mexico Nuclear Society (Juan-Luis Francois) also expressed interest, despite the 2004 and 2006 RPD topical meetings being planned as US hosted meetings. Since there is little expressed interest from other US local sections, the TPC recommended that the meeting be opened to applications from Mexico and Canada. It was strongly encouraged that any Mexican or Canadian applicant should propose an ANS Class 1 meeting to be competitive with any US-hosted applications.

16. ANS 2001 Student Conference (Shawn Bennett, Texas A&M Univ)

Shawn Bennett, co-chair of the ANS 2001 student conference, reported the meeting was a tremendous success. Key successes included: 330+ student attendees, 120 professional attendees, 120 student presentations, and career fair with 24 participating companies.

Shawn thanked the RPD for its \$1500 financial support to the conference. He noted that more RPD presence at future student conferences would be valued.

17. ANS 2002 Student Conference (Marsha Chesleigh, Penn St Univ)

Marsha Chesleigh, assistant to the chair for the ANS 2002 student conference, provided handout brochures with key dates and contact information for this conference to be held on April 10-13, 2002 at Penn State University (www.clubs.psu.edu/ANS). The organizing committee will be soliciting RPD support at the Reno meeting.

18. RPD Bylaws – Proposed Change (Russ Mosteller)

Russ distributed a handout with proposed amendment to RPD Bylaws Article B8 (Election and Eligibility), paragraph 4. The proposed form is shown below, with changes highlighted:

“At least one (1) candidate shall be named by the Nominating Committee for each Executive Committee membership expiring or vacating and for each elected officer other than the office of Chair. *US and non-US candidates for the Executive Committee may be elected separately.* The ballot shall also contain spaces for writing in additional names.”

The proposed change was unanimously recommended by the EC, though per RPD Bylaws Article B11 (Amendment) the amended text must be submitted to the ANS Bylaws and Rules Committee and the Executive Director for review, and then be approved by a quorum of RPD members. Russ will pursue this.

19. Next Generation Reactors (Bob St. Clair)

Bob was seeking to generate a dialogue regarding what the RPD role and participation should be in the increasingly active field of Next Generation Reactors (i.e., should the Division begin developing standards?) Due to the length of this meeting, Bob recommended the discussion be postponed to the Reno meeting.

20. **On-Line Purchase of ANS Technical Articles (Dale Lancaster)**

Dale noted that ANS has an ongoing initiative to enable search and retrieval on the ANS website of ANS meeting paper summaries from the past 5 years. Currently, word search can be performed on ANS annual meeting abstracts. ANS topical meeting papers are being added; the website will enable title and author search for these full papers. A goal of this initiative is to generate revenues by selling articles. The EC recommended that the papers be made available to members for free or at a very modest cost; the papers should not be made available free of charge to non-members.

The meeting was adjourned at 6:15 PM.

Respectfully submitted by
Baard J. Johansen, RPD Secretary-elect

Attachment 1

RPD Budget for 2001

| | Approved Budget (Year 2000) | RPD Statement (12/ 31/00) | Approved Budget (Year 2001) | RPD Statement (3/31/01) | Estimated Actual (6/ 1/01) |
|---|--------------------------------|------------------------------|--------------------------------|----------------------------|-------------------------------|
| BUDGET FUNDS | | | | | |
| Current Year Member Allocation | 1000 | 1031 | 1000 | 1237 | 1237 |
| Carry Forward from Prior Year | 8079 | 8479 | 20519 | 20519 | 20519 |
| Other Budget Funds | 2000 | 13359 ^a | 0 | 0 | 0 |
| TOTAL BUDGET FUNDS | 11079 | 22869 | 21519 | 21756 | 21756 |
| EXPENSES | | | | | |
| Newsletters | 0 | 0 | 0 | 0 | 0 |
| Awards and Placques | 100 | 150 | 500 | 0 | 500 |
| National Meeting Costs | 100 | 0 | 100 | 0 | 100 |
| Division Officer Expenses | 0 | 0 | 0 | 0 | 0 |
| Student Support | 800 | 200 | 1400 | 1500 ^b | 1500 |
| Scholarship / NEED Funding | 2000 | 2000 | 2000 | 0 | 2000 |
| Electronic Paper Review | 500 | 0 | 0 | 0 | 0 |
| Other Expenses | 500 | 0 | 500 | 0 | 0 |
| TOTAL EXPENSES | 4000 | 2350 | 4500 | 1500 | 4100 |
| EXCESS or (DEFICIENCY) of Budget Funds over Expenses | 7079 | 20519 | 17019 | 20256 | 17656 |

^aPHYSOR 2000

^bStudent travel (\$1000) and awards (\$500) for 2001 ANS Student Conference (held at Texas A& M University)