

# ANS NEWSLETTER

JULY 2000

RADIATION PROTECTION AND SHIELDING DIVISION

<http://www-rsicc.ornl.gov/rpsd/RPSD.html>

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## OUTGOING CHAIR'S MESSAGE (ROBERT C. LITTLE)

The year as chair of RPSD has gone by quickly. Much of the Division's activity during that year is reported elsewhere in this Newsletter. I would like to summarize here some of the high-priority activities of the Society during the past 6 months.

One of the highest priorities of President Kadak during his term was to develop support for an advanced generation of nuclear power plants. An international workshop was convened in January by the DOE. The ANS Board of Directors passed a resolution in March supporting early deployment of Generation IV nuclear power plants, defined as plants which are "smaller, modular, cost competitive, proliferation resistant and have improved safety levels over current nuclear plants."

As a society, ANS also provided testimony to Congress on the proposed FY01 budget. This testimony was developed partially based on input from Divisions, including RPSD. Recently, the ANS sent a letter to DOE discussing issues associated with Accelerator Transmutation of Waste. Spurred on by the leadership of John Graham, ANS has been updating its Public Policies, including one on Space Nuclear Technology, revised on behalf of RPSD by Robert Singleterry. (By the way, there were several sessions on this topic at the San Diego meeting, and an effort is underway to form an ANS Technical Working Group on Space Technology.)

All of the information talked about above is available on the ANS web site, at [www.ans.org](http://www.ans.org). The recently updated site includes news, public information, position statements, and more. I encourage you to visit the site and provide feedback on its content.

Before moving to other topics, I would like to pass along the strong sense that ANS HQ realizes that technical expertise exists in the Divisions. HQ wants to be able to call on Divisions when needed for technical input for position papers, policy statements, high-visibility issues (the criticality accident in Japan, for example), etc. As Division members, we all must take initiative and responsibility for providing necessary technical input to HQ.

Moving on to RPSD topics, I would like to announce the results of the recent election. Laurie Waters is out new Chair, Laurence Miller was elected Vice Chair / Chair Elect, Dave Court was elected Secretary, and John Bennion was elected Treasurer. New members of the Executive Committee are Peggy Emmett, Kimberlee Kearfott, and Stan Anderson. Congratulations to all!

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Report on Blizard Scholarship Activities For CY2000

John Poston, Nolan Hertel, and Dan Ingersoll reviewed fifteen candidates for the Blizard Scholarship. The committee was very pleased with this turnout, not only since it was the largest number of applications ever reviewed, but

### Executive Committee

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Speaking of elections, my most important responsibility to the Division over the next year is to develop a slate of candidates for next year's election. Please contact me with suggestions – yourself or others. We rely on people who are committed to serving the Division. This is true not only of our elected officers, but also of volunteers on various committees. Please contact the folks listed as heads of our standing committees (Standards, Program, Honors & Awards, Membership, and Benchmarking) and get involved!

The RPSD 2000 Topical in Spokane is almost upon us. I would like to congratulate the Local Organizing Committee for their efforts in arranging a meeting which is extremely promising. I hope to see many of you there. Registration materials are included in this newsletter. I also want to start advertising the next RPSD Topical meeting, which is planned for April 2002 in Santa Fe, NM.

Thanks to everybody for their support over the past year. Best of luck to Laurie and her team over the upcoming year!

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### INCOMING CHAIRMAN'S MESSAGE (LAURIE WATERS)

My thanks to Bob Little, the officers, executive committee and committee chairs for the past year. Welcome to our incoming officials, and we hope to see a large part of our membership at the RPSD 2000 Topical. This is a joint meeting with the Health Physics Society, and we currently have over 150 papers scheduled for presentation. Jess Greenborg and the program and organizing committees have done an outstanding job.

This coming year presents great opportunities for expanding our division membership and increasing the visibility of our field through activities such as providing subject experts for the ANS. We also encourage participation in standards committees and benchmarking activities. We invite everyone to participate in the upcoming Topical, where you can catch up on the latest developments in the field, and also become involved with our division programs. Thanks very much for your support, and don't hesitate to let your officers and board know your opinions.

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### TREASURER'S REPORT (RAY KLANN)

The division's finances remain in good order as I leave office. Actual expenditures in 1999 were \$3012, leaving an excess of \$4911 to start 2000.

The approved budget for 2000 shows an excess of \$2009. However, with the current projected expenditures in 2000, the division should have an excess of \$2971 at the end of the year. This does not include any income from the upcoming topical meeting in September.

\$2000 is being donated to the endowment for the Blizzard scholarship, and \$500 has been allocated for student support at Los Alamos. The executive committee voted to allot this money to assist the students who lost their technical libraries in the fire. It is our hope that we can replace some of the lost textbooks and references. The actual method by which we will provide the money or texts is to be determined by the incoming chair.

### Report on Blizzard Scholarship Activities For CY2000

John Poston, Nolan Hertel, and Dan Ingersoll reviewed fifteen candidates for the Blizzard Scholarship. The committee was very pleased with this turnout, not only since it was the largest number of applications ever reviewed, but also because five different universities were represented. Based on an established review process, we selected a first choice and two alternatives. The top candidate was apparently selected for higher paying ANS scholarship, so this year's Blizzard Scholarship goes to our second choice: Christopher S. Melhus at the Massachusetts Institute of Technology. Christopher received his BA in Physics

from Reed College in 1997 and served as Associate Director of the Reed Reactor Facility. At MIT, he is working toward a PhD in Nuclear Engineering with an emphasis on health physics and personnel dosimetry. He will receive the \$3000 award at the beginning of the fall semester.

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## **ANS Standards Service Award**

The prestigious ANS Standards Service Award has been awarded to Bill Hopkins, our RSPD standards liaison. Announcement of the award was given at the San Diego meeting. Congratulations to Bill, and thanks for all of your excellent work!

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### **PROGRAM COMMITTEE NEWS (DAVID R. ANDERSON)**

#### **2000 Annual Meeting, San Diego, California, June 4-8, 2000**

The Annual Meeting was held at the Town and Country Hotel and Convention Center in San Diego along with two embedded topical meetings and several professional development workshops. I received two Shielding papers for review at the paper review in Chicago. Both papers were accepted. RPSD has no sessions at the meeting so I was able to place both papers in sessions hosted by the Isotopes and Radiation Division. The Program Committee meeting was held June 5<sup>th</sup>, from 4-6pm.

#### **RPS 2000 - RPSD Topical Meeting, Spokane, Washington**

The 2000 Topical meeting is scheduled for September 17-21, 2000, in Spokane, Washington, and is hosted by the Eastern Washington Section. The theme of the meeting is "Radiation Protection for Our National Priorities: Medicine, the Environment and Legacy." Jess Greenberg is the General Chair of the meeting and Jennifer Tanner is the Technical Program Chair. The meeting is being organized jointly with the Health Physics Society. I hope everyone will make plans to attend as it promises to be a very worthwhile event. There are a number of professional development classes and workshops available during the meeting, and HPS credit is planned for them. More information is available at the conference web page <http://www.ambinet.com/ans/rps2000.html>

Registration forms are included in this newsletter. Early registration rates end on July 31<sup>st</sup>.

#### **2002 RPSD Topical Meeting, Santa Fe, New Mexico**

Two proposals for hosting the 2002 RPSD topical were presented to the RPSD Program Committee during the 1999 Winter Meeting in Long Beach. Kevin O'Kula from the Savannah River Section and Tom Hirons from the Trinity Section both brought excellent proposals. Following the proposals, the Trinity Section was chosen by the Program Committee as the host organization. The tentative date for the meeting is April 14-17, to be held at the La Fonda Hotel in Santa Fe. Thanks to both Kevin O'Kula and Tom Hirons and to those from both local sections who contributed to the proposals for the hard work involved.

#### **2000 Winter Meeting, Washington, DC, November 12-17, 2000**

The Winter Meeting will be again be held at the Wardman Park Marriott in Washington, DC. The Call for Papers is issued. One item that did not make it into the CFP is that authors are encouraged to submit full papers for possible review and publication in one of the ANS journal publications. The full papers would be submitted at the Winter Meeting. RPSD has a number of sessions planned including three special sessions. The sessions and their numbers are as follows, with the three special sessions listed first:

- 2n - Glove Boxes: Shielding Analysis and Dose Assessment  
(Session Organizer-RT Perry)
- 5.2g - SKYSHINE Evaluations and Methods Development

- (Session Organizer-Dom Napolitano)
- 8j - Radiation-Based Non-Destructive Techniques & Applications  
(Session Organizer-Ray Klann)
  - 3o – Source Term and Accident Analysis
  - 5.2d – Radiation Transport Methods and Data
  - 5.2e – Radiation Measurement Techniques
  - 5.2f – Shielding Applications
  - 7h – Operational Radiation Protection

If you are interested in any of these topics, especially the special sessions, please consider submitting a summary and possibly a full paper. Contact the special session organizers for more info. The unusual numbering of sessions is due to the organization of sessions into tracks, rather than by divisions. The tracks are made up of topics on similar themes, and are to be organized so that the attendees can follow a common subject though the meeting. Since the shielding topics are divided among several tracks, I also want to ensure that we don't have shielding sessions that conflict with each other. I would appreciate feedback after the Winter Meeting on your opinion of how this organization of sessions worked for you. Please contact me at any time. I will make our views known to the National Program Committee.

### **Electronic Review**

I have had a good response to my request for names of people willing to review papers. You'll be hearing from me as soon as papers for the Winter Meeting start coming in. The papers will be placed on a web site in PDF format and comments are entered while accessing the web site.

At the Paper Review meeting in Chicago in early March, ANS Headquarters gave us a presentation on the proposed ANS electronic paper review process, to be instituted next summer. It's run by the organization "Community of Science" which sets up and administers web based peer review processes for scientific organizations. The review tools are highly customizable to adapt to an organization's review requirements and the process is completely administered for us. We were provided with ID's to a test site that we could experiment with to check out the features. This will be a great improvement in the way paper reviews are done, and much less work for the individual divisions' program committees.

### **Meeting Schedule**

- 2000 ANS Annual Meeting, June 4-8, San Diego, CA
- RPSD Program Committee 5-6pm June 5
- 2000 RPSD Topical Meeting, Sept 17-21, Spokane, WA
- 2000 ANS Winter Meeting, Nov 12-17, Washington, DC
- 2001 ANS Annual Meeting, June 17-21, Milwaukee, WI
- 2001 ANS Winter Meeting, Nov 11-15, Reno, NV
- 2002 RPSD Topical Meeting, April 14-17, Santa Fe, NM

If at any time you have any questions or comments about Program Committee activities, please contact me at (860)433-6584 or [danders3@ebmail.gdeb.com](mailto:danders3@ebmail.gdeb.com)

Dave

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# Registration

Radiation Protection For Our National Priorities  
Medicine, the Environment, and the Legacy  
September 17-21, 2000  
DoubleTree Hotel, Spokane, Washington  
Registration Form  
(please type)

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Name as you would like it to appear on your badge:

\_\_\_\_\_

Affiliation/Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Prov.: \_\_\_\_\_

Zip/Mail Code: \_\_\_\_\_ Country: \_\_\_\_\_

E-mail: \_\_\_\_\_

Day Phone: \_\_\_\_\_ Eve Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

### EARLY DEADLINE FOR MEETING REGISTRATION

Full Meeting ANS Member \_\_ \$420 HPS Member \_\_ \$420 Both ANS/HPS Member \_\_ \$420  
Nonmember \_\_ \$570 (memberships can be purchased onsite)

One Day ANS Member \_\_ \$280 HPS Member \_\_ \$280 Both ANS/HPS Member \_\_ \$280  
Nonmember \_\_ \$430 (memberships can be purchased onsite)

ANS Membership #: \_\_\_\_\_ HPS Membership #: \_\_\_\_\_

One day registrants - indicate day you will attend:  
\_\_ Mon 18 \_\_ Tue 19 \_\_ Wed 20

Early rates available through July 31, 2000.

\_\_ \$40 Late fee (August 1 - September 16)

\_\_ \$80 On-site registration

Full meeting includes:  
Proceedings  
Opening Reception  
Luncheon  
Banquet

One day includes:  
Proceedings

Spouse/Guest Registration FEE \_\_ \$20  
Spouse/Guest Name (as it will appear on their badge): \_\_\_\_\_

This allows spouses or other guests to participate in the welcoming reception, the spouse/guest program, and to have limited access to the technical sessions, for example, to see their spouse present a paper. It does not include luncheon or banquet tickets (which can be purchased at the conference) and it is not for technical participation in any form.

Additional Proceedings \_\_\_ \$100          Additional Luncheon \_\_\_ \$20          Additional Banquet \_\_\_ \$35

Vendors: Individuals attending as vendors must pay the full registration fee.

Total amount for registration and additional fees: \_\_\_\_\_

Credit Card \_\_\_ VISA \_\_\_ MasterCard \_\_\_ AMEX

Card #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Amount to be charged: \$ \_\_\_\_\_

Signature: \_\_\_\_\_

Please make checks payable to: **American Nuclear Society**.

All checks should be payable in U.S. funds and drawn on a U.S. bank. Others are subject to a substantial service charge. Requests for refunds must be received no later than September 11, 2000. A service charge may apply.

For hotel reservations contact 1-800-222-8733 or 1-509-455-9600 and specify that you are with the American Nuclear Society conference. Rooms are \$90 guaranteed through August 17, 2000. Be sure to make your reservations early!

Send Registration form to: \_\_\_\_\_ or fax to: 509-376-1293 or email to: Scott.Finrock@fluor.com

**RP2K**

ANS-EWS  
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For registration questions please contact:

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