



ANS NEWSLETTER

FEBRUARY 2002

RADIATION PROTECTION AND SHIELDING DIVISION

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

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Chairman's Message (Larry Miller)

I would like to thank all of you for your support and contributions to the Radiation Protection and Shielding Division (RPSD). Our program and executive committee meetings at the ANS Meeting in Reno in November 2001 were productive and well attended. Several new topics for the technical program were identified, which we hope will result in more RPSD papers submitted at National ANS meetings.

We decided to combine our topical meeting for 2004 with the International Conference on Radiation Shielding (ICRS-10). By combining our bi-annual topical meeting with ICRS-10, we are providing an opportunity for American residents to experience some Portuguese culture on Madeira Island, and we will eliminate competition for papers on equivalent technical content. ICRS-10 conferences are co-sponsored by the Nuclear Science Committee of the OECD Nuclear Energy Agency and are organized every four to five years.

If you have new ideas for any of the standing committees, such as the technical program, benchmarks, standards, honors and awards, etc., please contact the chair of these committees. If you would like to see the RPSD initiate new activities that would benefit your specific professional interests, please contact the individual you consider most appropriate. As a member of the RPSD, you are the most knowledgeable regarding how we can improve benefits of your membership, and it is important that we receive your input. There are a number of valuable professional activities conducted at both national and topical meetings that benefit by your participation.

Our web site, at <http://www-rsicc.ornl.gov/rpsd/RPSD.html>, has a wealth of useful information with links to sites that should benefit each of our professional goals. I would like to see us make better use of the internet for sharing ideas, concerns, and compliments. Please take time to offer your recommendations for continuing improvement in all of our activities.

We strive to accommodate changing professional interests through improvements in quality, quantity, and type information available to RPSD members at national and at topical meetings and through improved communications. If you have any suggestions for improving benefits of membership in the RPSD and in the ANS, please contact any member of the executive committee or any committee chair.

Treasurer's Report (John Bennion)

Unlike the overall U.S. economy, the financial well being of our division continues to be strong. Income for 2001 included \$1,309 for the division allocation from ANS membership dues and \$5,800 revenue from the Spokane Topical Meeting. The 2001 final budget provided for a carryover of \$9,595. The approved budget for 2002 allocates \$1,000 for the Blizzard scholarship and \$1,000 to support student participation at the 2002 ANS Student Conference scheduled for April 10-13 at Penn State University. Assuming that the membership allocation remains the same as last year, the approved 2002 budget provides a budget excess of about \$8,450. This amount excludes possible revenue generated by the 2002 RPSD Topical Meeting in Santa Fe in April.

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Program Committee (David Anderson)

2001 Winter Meeting, Reno, NV, November 11-15, 2001

The Winter Meeting in Reno had four sessions spread among each day of the meeting.

2002 RPSD Topical Meeting, Santa Fe, New Mexico

The 2002 topical received final approval at the ANS Winter Meeting in Reno. Tom Hirons and Bob Little made the presentation to the screening committee. The meeting will be held April 14-17, 2002, at the La Fonda Hotel in Santa Fe, NM. The technical paper review has been completed and due to the number of papers submitted an extra day has been added to the meeting. The meeting web site is now available at <http://www.lanl.gov/RPSD2002> General meeting information can be found there and more information will be added as the meeting draws closer. A current meeting synopsis can be found at the end of this newsletter.

2002 Annual Meeting, Hollywood, FL, June 9-13, 2002

There will be one general shielding session at the Annual Meeting. Authors had until January 3, 2002, to submit paper summaries through the online submittal system. To submit a paper summary, go to <http://www.ans.org/meetings/epr/2002> and follow the link to "ANS 2002 Annual Meeting."

2004 RPSD Topical Meeting, TBD

At the Reno meeting it was decided to combine the RPSD 2004 with the International Conference on Radiation Shielding (ICRS-10). ICRS-10 will be held on the island of Madeira. Further information will be released as plans are made.

Electronic Review

Any comments or suggestions by those who used the system will be passed along to ANS-HQ. The vendor and ANS-HQ are interested in doing what they can to make it easier to use.

Meeting Schedule

2002 RPSD Topical Meeting, April 14-17, Santa Fe, NM
2002 ANS Annual Meeting, June 9-13, Hollywood, FL
2002 ANS Winter Meeting, November 17-21, Washington, DC
2003 ANS Annual Meeting, June 1-5, San Diego, CA
2003 ANS/ENS International Meeting, Nov 9-13, New Orleans, LA

As always, if there is anything program or meeting related that you would like to see or to discuss, please contact me at any time.

RPSD Co-Sponsor of M&C 2003 (Bernadette Kirk)

To mark the beginning of the second century of nuclear science, the American Nuclear Society's 2003 M&C Topical Meeting is being organized around the theme: *Nuclear Mathematical and Computational Sciences: A Century in Review, A Century Anew*. The Anew part is comprised of contributed papers in regular sessions and invited papers in special sessions. An invitation e-mail message was sent mid-October to members of the Technical Program Committee to solicit their support by submitting papers, help identify and organize special sessions, and review papers when the time comes.

The Review part of the conference is designed to replace the standard Plenary Session. It is comprised of eight invited lectures by world-renowned leaders in selected topics. Each half-day of conference sessions will commence with one such lecture extending for one-hour, followed by a 15-minute Question/Answer session, a 15-minute break, then the regular sessions proceed.

The speakers have been contacted and have already accepted the invitation. The complete list of topics and speakers is:

1. Transport methods of the first order, Ed Larsen and Jim Morel.
2. Transport methods of the second order, Elmer Lewis.
3. Monte Carlo, Jerry Spanier.
4. Reactor core methods, Kord Smith.
5. Cross sections, Dick Hwang.
6. Reactor kinetics and dynamics, Jack Dorning.
7. Sensitivity, uncertainty, and perturbation theory, Dan Cacuci.
8. Criticality safety methods, Elliott Whitesides.

Please remember that success of this meeting depends on your active support and involvement. Finally, please bookmark the conference's web site: <http://www-rsicc.ornl.gov/mc2003/mc2003.html>. Visit it occasionally for news and updates. Comments and suggestions are most welcome.

Monte Carlo 2005 (Bernadette Kirk)

The ANS Knoxville/Oak Ridge Local Section will be sponsoring Monte Carlo 2005. This series is co-sponsored by the Radiation Safety Information Computational Center (RSICC) and the Nuclear Energy Agency Data Bank in collaboration with other European societies.

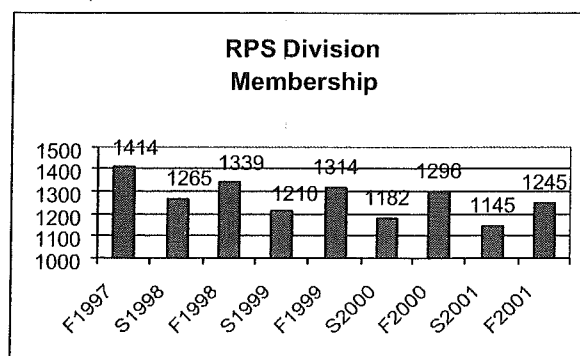
The Monte Carlo method and its applications have been frequently addressed at several major conferences and workshops organized in recent years. Monte Carlo topics have included radiation shielding, radiation physics, medical physics, and high energy physics. Past conferences specifically devoted to Monte Carlo issues related to radiation physics and transport include one held in 1993 in Saclay, France, under the title "Advanced Monte Carlo Computer Programs for Radiation Transport." In 1997, a one-day workshop "E=mc² - Elocutions on Monte Carlo in Monte Carlo" was held in the city of Monte Carlo itself. Since then, significant developments have taken place in computational and data issues, resulting in "state-of-the-art" computer codes and tools. At the international conference "Monte Carlo 2000 - Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications," held in Lisbon, Portugal in October 2000, all sessions were dedicated to Monte Carlo issues. To continue the tradition, the international organizers of Monte Carlo 2000 voted to hold the next event in the United States, with RSICC as the host.

The local section will seek a national ANS division co-sponsorship for this conference. In particular, RPSD has voted to support this conference. Calendar placement will be requested at the ANS Winter Meeting in 2002.

Membership (Mark Blumberg)

Total RP&S membership decreased 4% as compared to last year at this time (from 1296 to 1245). The RP&S division continues to have a membership of approximately 12% of the total ANS membership. A graph of the RP&S membership from the fall of 1997 to the fall of 2001 is given below.

Note: "S" represents spring and "F" represents fall. Membership is generally lower in the spring than the fall due to late renewals.



Standards (Bill Hopkins)

In ANS 6, Andy Hodgdon (adhodgdo@dukeengineering.com) is still seeking help with the buildup factor standard. Also the dose conversion factor working group headed by Dean Kaul (dean.c.kaul@cpmx.saic.com) and Nolan Hertel (nolan.hertel@me.gatech.edu) needs to get that standard reconfirmed before it is dropped per ANSI requirements. My long term goal for benchmark efforts with M&C and Reactor Physics divisions is to create a new set of ANS standards based on benchmarks for ANS 6/ANS 19. Hamilton Hunter is spearheading this effort.

For your information, the National Institute for Standards and Technology (NIST) awarded the American Society for Testing and Materials (ASTM) a Cooperative Agreement (70NANBOH0114) to reorganize, reinvigorate, administer, and lead the U.S. team that participates in ISO Technical Committee-85 (ISO/TC85) on Nuclear Energy. Jim Mallay (chair of ANS Standards Steering Committee) will be serving as the vice chair of that group; Harry Farrar of ASTM is chair. SC2 on radiation protection is headed by Ken Swinth as Overall Technical Advisor. Ken is sponsored by HPS. Bill Hopkins is the Deputy Overall Technical Advisor and the ANS rep on SC2.

Death of John L. "Kampy" Kamphouse

On a sad note, I am now seeking nominations to fill the vacancy created by the death of John L. "Kampy" Kamphouse on December 3, 2000. Kampy had served as the chairman of two teams that revised and reaffirmed two major radiation protection and shielding standards: ANS-6.4-1997 (Revision of ANSI/ANS-6.4-1985) - Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants and ANS-6.4.2-1985; R1997 - Specification for Radiation Shielding Materials. Kampy had been a lead shield engineer at Gilbert/Commonwealth Engineers before coming to serve as a senior nuclear engineer for shielding and dose analysis for TVA's Brown Ferry's Nuclear Power stations where recently had retired. He was also the dean of Bethel Bible College and had earned a doctoral degree in sacred theology and religion from Bethany Seminary in Dothan, Alabama. He will be greatly missed.

Benchmarks (Hamilton Hunter)

The Public Policy Committee (PPC) meeting was held on November 13, 2001, in conjunction with the 2001 ANS Winter Meeting in Reno, Nevada. Currently, RPSD has one public policy, Preservation of Experimental Benchmarks, accepted in 1999. We are working on another one, Radon in Homes. To update it, we will have a special session during the ANS Winter meeting, FY02. Helping with this effort is Kimberlee Kearfott, University of Michigan.

Blizard Scholarship (Dan Ingersoll)

John Poston, Nolan Hertel and Dan Ingersoll reviewed 15 applications for the Blizard Scholarship. This is the largest number of applicants since the scholarship's inception six years ago. There were several excellent candidates and five that were scored with less than one point separation (out of 20 maximum points). The person actually awarded the scholarship, who was also our top candidate, is Jennifer L. Hoff of the University of Tennessee. She will be receiving the \$3,000 stipend for the 2001/2002 academic year.

Jennifer has worked under the direction of Dr. Larry Townsend on health physics aspects of manned space flight including bone marrow dose resulting from exposure to solar particle events and galactic cosmic radiation. She anticipates completing her Ph.D. work on "Modeling the Wall Effects of a Tissue Equivalent Proportional Counter" in May 2002.

RPSD 2002 Meeting-At-A-Glance (Bob Little)

Overview

The Division's Biennial Topical Meeting is rapidly approaching. It is scheduled for April 14-18 in Santa Fe, New Mexico. RPSD 2002 is co-sponsored by the Health Physics Society, the OECD/NEA, and RSICC. In addition to an exciting technical program, there are workshops, tours, and various social events planned. There are also special registration opportunities for students, emeritus members of ANS, exhibitors, and guests. Please join us in Santa Fe in April!

Meeting Schedule

Sunday, April 14	Workshops in the morning and afternoon; welcome reception in the evening.
Monday, April 15	Plenary session in the morning; guest tour of Santa Fe; conference luncheon; technical sessions in the afternoon.
Tuesday, April 16	Technical sessions morning and afternoon; Conference banquet in the evening.
Wednesday, April 17	Technical sessions morning and afternoon; Guest tour of Northern New Mexico Exhibit mixer in the evening.
Thursday, April 18	Technical sessions morning and afternoon.
Friday, April 19	Tour of the Trinity Site.

Registration

The main registration form for the conference is at <http://www.lanl.gov/RPSD2002/registration.shtml>. The form allows you to register for the conference, for the guest program, and for tours, and to purchase additional tickets for social events. The early registration discount is available through March 1. We request that you print the registration form, fill it out, and mail it in to the address indicated.

Technical Sessions

Over 200 abstracts have been accepted for presentation at RPSD 2002. The following sessions will be included in the final program (available at <http://www.lanl.gov/RPSD2002/agenda.shtml>)

Accelerator Applications and Shielding	Nuclear Well Logging
Accidents and Source Term Analysis	Radiological and Environmental Dosimetry and Assessment
Advances in Deterministic Codes and Methods	Repository and Waste Management Applications
Advances in Monte Carlo Codes and Methods	Shielding Benchmarks and Standards
Decommissioning and Decontamination	Shielding Design and Analysis
Developments in NDA/NDE Syst. and Techniques	Skyshine and Streaming
Dose Assessment Techniques and Detectors	SOURCES Computer Code: Progress and Applications
Dose Conversion and Assessment	Space Radiation Shielding and Doses
Doses in Aircraft	Transport Codes in Medical Physics
Health Effects of Low-Dose Radiation	Transportation, Storage, and Shielding of Radioactive Sources
Medical Physics Applications	Visualization and User Interfaces
Nuclear Data for Shielding Applications	

Workshops

We will offer four workshops on Sunday, April 14. There will be two in the morning and two in the afternoon. Each workshop will be approximately three hours. Full information and a separate registration form, for the Workshops are available at <http://www.lanl.gov/RPSD2002/workshops.shtml>. The four workshops offered are:

1. "Radiation Serving Society," by Alan Waltar (Texas A&M)
2. "Tutorial on the Computer Code SOURCES-4A," by Erik Shores (LANL)
3. "Health Physics Aspects of Criticality Safety," by Doug Minnema (DOE)
4. "Status and Future Plans for Los Alamos Radiation Transport Modeling," by various LANL staff

Tours

Three tours have been planned in association with RPSD 2002:

1. **Monday April 15:** "A Taste of Santa Fe" – Three to four hour guided tour of Santa Fe by bus. The tour will include stops at museums and art galleries. Use this opportunity to plan the rest of your week in Santa Fe.
2. **Wednesday April 17:** "Explore Northern New Mexico" – Six to seven hour guided tour with stops at Bandelier National Monument and historic Los Alamos. In Los Alamos you will tour the Bradbury Science Museum and have time for lunch in town.
3. **Friday April 19:** "The Trinity Site" – a special full-day tour to the White Sands Missile Range in south-central New Mexico to view the site where the first atomic bomb was detonated. The tour will include time at ground zero, as well as at the McDonald Ranch House, where the world's first plutonium core for a bomb was assembled. Representatives of the White Sands Missile Range will conduct the tour. Lunch will be provided at the historic Owl Bar & Café in San Antonio, NM, which served many Los Alamos scientists during the test program. Transportation for this tour will be arranged such that travelers can depart and be dropped off from either Santa Fe or Albuquerque.

Check the website <http://www.lanl.gov/RPSD2002/tours.shtml> for more details. All tours will have both a minimum and maximum registration. In the event of cancellation, full refunds will be provided. Register for tours on the main Conference registration form.

Hotel

We encourage you to make your reservations early at the conference hotel, La Fonda. Information and a reservation form are available at <http://www.lanl.gov/RPSD2002/hotel.shtml>. You can either fill out a form on line, or print the form and send it to the Hotel. In either event, please make sure to note "RPSD 2002 Topical Meeting" in order to qualify for the special discount offered.

Exhibitors

There are opportunities for vendors to exhibit their products at RPSD 2002. Full information is available at <http://www.lanl.gov/RPSD2002/exhibitor.shtml>. Booth space will be available; there are also various sponsorship opportunities. To highlight the exhibitors, a Conference mixer will be held in the exhibit area on Wednesday evening.

Students

We strongly encourage student participation at RPSD 2002. The student fees are small and we feel that this will be an excellent opportunity for students to participate in a technical conference and to meet potential employers (Los Alamos National Laboratory, at least, plans to have a recruiting booth at RPSD 2002). In addition to reduced registration fees, we will arrange for students to share hotel rooms, and offer some payment to students for helping with technical sessions. See <http://www.lanl.gov/RPSD2002/students.shtml> for additional information.

Questions

For additional information on RPSD 2002, check the conference website at <http://www.lanl.gov/RPSD2002> or send an e-mail to rpsd2002@lanl.gov.



ANS NEWSLETTER

AUGUST 2002

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Chairman's Message (Jeffrey O. Johnson)

I would like to express my sincere appreciation for all of your support and contributions to the Radiation Protection and Shielding Division (RPSD). I look forward to serving as the chairman of the division for the coming year. I would also like to extend an invitation to our program and executive committee meetings at the ANS Winter Meeting in Washington D.C in November 2002. The Program Committee meeting will be in Room 252 of the Omni Shoreham Hotel, Monday, Nov. 18, 2002 from 5:00 to 6:00 p.m. This meeting is followed immediately by the Executive Committee meeting in the same room from 6:00 to 8:00 p.m. These program committee meetings offer you a chance to participate in the planning of our division's technical exchanges via Topical meetings and technical session at National meetings. The executive committee meeting offers you a chance to be directly involved with how we do business in RPSD and what directions we should take to insure the future growth of our division. These meetings are generally productive and well attended. If you cannot make the meetings and have suggestions you wish to be considered, contact one of the officers or committee chairs and they will bring the suggestion/request up for you.

There are several upcoming meetings mentioned in the Program Committee section below that I want to call your attention to. We had a very successful 2002 topical in Santa Fe and the organizers from the Local ANS Trinity Section, especially Tom Hirons and Bob Little, deserve a hearty congratulations for a job well done. We also have several upcoming topical meetings we are either sponsoring or co-sponsoring that I encourage you to participate in. Two of these are international meetings, so be aware and make your plans early to support the technical exchange of your work at these meetings.

There are a couple of issues that were brought up at our last executive committee meeting in Hollywood Florida that I wish to call your attention to. First, the Professional Engineering Exam for Nuclear Engineering is in danger of being dropped due to lack of participation. With the potential for a growth in the nuclear industry, this could not come at a worse time. I am unclear as to what RPSD as a division can do to prevent this action, but I assure you the Executive committee will stay abreast of the situation. I welcome any suggestions you might have. Secondly, in the section under standards below, Bill Hopkins informed the committee that two of the ANS standards that our division has been supporting were dropped due to lack of revision or re-submittal. These are important standards for our work and Bill outlined what we need to do to get them re-instated. The division needs volunteers to help in this endeavor. Please contact, Bill Hopkins, Nolan Hertel, or Andy Hodgdon to help get these two standards re-instated. Finally, we are in need of a web page manager to maintain our web page. Bernadette Kirk has done this for us in her spare time (and we all know what spare time is) and is now ready to pass this task on to someone else. I would like to express my appreciation to Bernadette for her past efforts since I know "spare time" moments are few and far between. If someone is interested in taking over this task, please contact me. My understanding is that ANS National will help in getting the page up and running on the ANS server, and they may even have a template to use or modify for the information to put in. They will not, however, put any information in the page for the division. That task falls to us. So please, if you are interested in working on any of these issues contact me, or a member of the executive committee, and we will get you in contact with the right people.

Finally, I would like to introduce and welcome our ANS National Board liaison. Each division has a member of the ANS National Board of Directors assigned to that division to act as a liaison. The National Board of Directors choose their divisions, and Sophie Gutner chose RPSD. If you have ideas or issues for the ANS national BOD, let Sophie know and she will either help answer the request for the board or bring the issue before the board on our behalf. This represents one additional avenue for interaction between the division and National to get our concerns heard and addressed. Welcome Sophie. I look forward to seeing all of you at the upcoming meetings and feel it is an honor to serve as your division chair.

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2003

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Program Committee (David Anderson)

2002 RPSD Topical Meeting Report, Santa Fe New Mexico, April 14-18

The 2002 shielding topical meeting was held at the La Fonda Hotel, in Santa Fe, New Mexico. Congratulations to Tom Hiron, Bob Little and the entire organizing committee for putting on a very successful meeting. The Conference attracted a total of 248 registrants. Four half-day Workshops were held on Sunday. There were a total of 49 people in attendance at the Workshops (minimum of 9, maximum of 19).

The Conference opened on Monday morning with 5 speakers at the Plenary Session. Starting Monday afternoon and continuing through Thursday afternoon, four parallel technical sessions were held during each time period. A total of 182 papers were presented during these sessions (out of 218 papers originally accepted by the Technical Program Committee).

ANS Past-President Jim Lake was the speaker at the Monday luncheon. A memorial award to the late Charles Thomas was presented during the luncheon. In addition to the luncheon, there was a reception on Sunday evening, a banquet on Tuesday evening, and an exhibitor reception on Wednesday. Six vendors had displays in the Exhibitor area, near the Conference Registration desk. There were two Guest Tours (one of Santa Fe and the other to Los Alamos) and on the Friday after the meeting, over 50 attendees traveled to the Trinity Site in Southern New Mexico.

The Paper Review was conducted electronically, using the ANS Paper Review Web site (hosted by COS). A hard-copy abstract book was published and distributed at the Conference. Full papers were combined on a CD to form the Conference Proceedings, which also were distributed at the Conference. The large attendance at RPSD 2002 coupled with relatively low costs for publishing combined to make the Conference sizably profitable. Final details of the budget are still in process and should be completed during June or July.

2002 Winter Meeting, Washington, DC, November 17-21, 2002

The winter meeting will be held this year at the Omni-Shoreham Hotel. This hotel is next door to the Marriott where previous DC meetings have been held and can be easily reached from the same Woodley Park Metro stop. There are a number of special sessions planned for the winter meeting. Paper summaries were due to be submitted no later than July 8, 2002, through the ANS on-line paper submittal and review system. Paper review was scheduled for July 9-21. The RPSD sessions listed in the Call for Papers and the track numbers are:

- 7a Radiation Protection and Shielding: General
- 7c Radiation Sterilization
- 7d Detection and Dose Assessment for Alpha Emitters
- 7f Highlights of RPSD 2002
- 7g History and Current Development in Dose Conversion
- 8k Radiation Treatment Planning
- 8l Radon and Lung Cancer

In addition, the winter meeting has two embedded topical meetings - The Eighth Emergency Response and Preparedness Topical Meeting and the Fifteenth Technology of Fusion Energy Topical Meeting.

2003 Annual Meeting

The 2003 Annual meeting will again be held at the Town and Country Hotel in San Diego. There are 4 special sessions planned for the meeting as of this writing:

- (1) Pressure Vessel Embrittlement
- (2) Radiation Based Non-Destructive Testing Techniques and Applications
- (3) Overview of Radiation Protection and Methodology on Research Reactors in Mexico
- (4) ANS Joint Benchmark Effort

If you have an interest in any of these topics please consider submitting a summary for the meeting and presenting a paper in San Diego.

2004 RPSD Topical Meeting, Funchal, Madeira, Portugal.

The 2004 topical meeting will be combined with the 10th International Conference on Radiation Shielding (ICRS-10). Pedro Vaz (ITN-Portugal) and myself, David Anderson (Electric Boat Corporation, USA) are the Co-General Chairs of the combined topical meeting. Bernadette Kirk (RIAS/ORNL, USA), Laurence Miller (UT, USA), Takashi Nakamura (Tohoku Univ., Japan), and Enrico Sartori (OECD/NEA, International Co-ordinator) have agreed to serve as Co-Scientific Program Chairs. Letters of invitation have recently been sent to potential track leaders/session organizers asking for their involvement.

Preliminary arrangements have been made with a hotel in Funchal, Madiera, and the meeting received ANS Calendar Placement at the ANS Screening Committee Meeting June 10, 2002.

The combination of two conferences on radiation shielding, coupled with an outstanding location promise to make this a good conference. Please consider submitting a paper for this meeting. More details will be released as they become available. Meanwhile, please contact David Anderson danders3@ebmail.gdeb.com or Pedro Vaz PedroVaz@itn.pt if you have any questions or suggestions.

Upcoming ANS Meeting Schedule

2002 ANS Winter Meeting, Nov 17-21, Washington, DC
2003 ANS Annual Meeting, June 1-5, San Diego, CA
2003 ANS Winter Meeting, Nov 9-13, New Orleans, LA (ANS/ENS International Meeting)
ICRS-10/RPS2004, May 9-14, Funchal, Madeira, Portugal
2004 ANS Annual Meeting, June 13-17, Pittsburgh, PA
2004 ANS Winter Meeting, Nov 14-18, Washington, DC

As always, if you have any questions, suggestions or would like to help on program committee work, please contact me at any time.

RPSD Co-Sponsor of M&C 2003 (Bernadette Kirk & Yousry Azmy)

Preparations for M&C 2003 are progressing very well, and before too long our website will be open for accepting paper submittals. Please begin preparing the papers you intend to submit, and encourage your colleagues to do the same. Templates for preparing your papers will soon be posted on the web. Please remember that the deadline for submitting papers is October 21, 2002.

The unique setup for this conference, entitled *Nuclear Mathematical and Computational Sciences: A Century in Review, A Century Anew*, promises to provide an exciting and unprecedented opportunity for students and professionals in the field to learn about its rich intellectual heritage from leading figures. The *Review* section of the conference is comprised of eight lectures on selected topics of common interest to the membership of the Mathematics and Computation Division, the primary sponsor of the meeting, as well as cosponsors, including the Radiation Protection and Shielding Division. The *Anew* section of the meeting will include contributed and invited papers on standard topics in this series of conferences. Please refer to the conferences web site <http://meetingsandconferences.com/MC2003/> for details on the lectures series and lecturers, a list of topics for contributed papers and special sessions, as well as author instructions, and general information about the conference.

Monte Carlo 2005 (Bernadette Kirk)

The ANS Knoxville/Oak Ridge Local Section will be sponsoring Monte Carlo 2005. This series is co-sponsored by the Radiation Safety Information Computational Center (RSICC) and the Nuclear Energy Agency Data Bank in collaboration with other European societies.

The Monte Carlo method and its applications have been frequently addressed at several major conferences and workshops organized in recent years. Monte Carlo topics have included radiation shielding, radiation physics, medical physics, and high-energy physics. Past conferences specifically devoted to Monte Carlo issues related to radiation physics and transport include one held in 1993 in Saclay, France, under the title "Advanced Monte Carlo Computer Programs for Radiation Transport." In 1997, a one-day workshop "E=mc² - Elocutions on Monte Carlo in Monte Carlo" was held in the city of Monte Carlo itself. Since then, significant developments have taken place in computational and data issues, resulting in "state-of-the-art" computer codes and tools. At the international conference "Monte Carlo 2000 - Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications," held in Lisbon, Portugal in October 2000, all sessions were dedicated to Monte Carlo issues. To continue the tradition, the international organizers of Monte Carlo 2000 voted to hold the next event in the United States, with RSICC as the host. RPSD has voted to support this conference. Calendar placement will be requested at the 2002 ANS Winter Meeting to work around the M&C 2005 Topical meeting.

Standards (Bill Hopkins)

Bill Hopkins, Chair of ANS 6, reported that Suriya Ahmad, the new ANS Standards coordinator was notified that the American National Standards Institute administratively withdrew two ANS 6 standards due to the 10-year overage without re-affirmation or revision. These standards are,

ANSI/ANS-6.1.1-1991, Neutron and Gamma-Ray Fluence-To-Dose Factors.
--working group chair -- Nolan Hertel (nolan.hertel@me.gatech.edu)

ANSI/ANS-6.4.3-1991, Gamma-Ray Attenuation Coefficients and Buildup Factors for Engineering Materials.
--working group chair -- Andy Hodgdon (adhodgdo@dukeengineering.com)

He also noted that there is still hope of resurrecting them because Suriya said the working groups could proceed along a track of "reaffirmation" from an ANS perspective by filling out a new "pins" charter form (this is on the ANS web page under standards); then rebalotting under newly constituted committees to reaffirm. The working group chairmen need at least 3 more people -- contact them at their email addresses. After that ballot it will go through the regular ANS 6, N17 balloting. Then standards would be sent to ANSI, which would treat them as new standards.

Honors & Awards (Bernadette Kirk)

Congratulations to Yousry Y. Azmy for his new "Fellow" status. Dr. Azmy was recognized at the June 2002 summer meeting in Hollywood, Florida. He is a member of both RPSD and M&C.

This is a short plea to the general RPSD membership to nominate worthy individuals for the following awards:

Rockwell Award

The award for a Lifetime Achievement, or the Rockwell Award, is based on long-term contribution in research, development of technology, or education in radiation measurement, protection, shielding, and dosimetry

Professional Excellence Award

This award is given to one or more individuals in the Division each year on the basis of outstanding past or current professional contribution. The basis for this award would usually be a major contribution to the state of the art, an important publication, a major technical achievement, or a sustained record of significant accomplishment and technical excellence.

Service Recognition Award

This award is presented to one or more persons in the Division on an annual basis. The award is in recognition of outstanding past or current service to the Society and/or Division by a member of the Division. This award may be characterized as a distinguished service award or outstanding service award.

Everitt P. Blizzard Scholarship

The Blizzard Scholarship selection committee reviewed 10 applications for the 2002-2003 school year. Of the three candidates who received top ratings, two of them selected other scholarship offers and the third individual subsequently chose to discontinue graduate studies in nuclear engineering. Therefore, no scholarship was awarded for the coming school year.

Submitted nominations will be considered at the next executive board meeting of RPSD in November 2002. In submitting nominations, please provide a short write-up.

Please contact Bernadette L. Kirk (kirkbl@ornl.gov, 865-574-6176) regarding nominations.