

Minutes of the Radiation Protection and Shielding Division Executive Committee Meetings, Monday Nov. 17, 2003, New Orleans, LA.

Attendees (Attachment 1)

David Court* (Chair)	Stephanie Frankle*	Bernie Kirk
David Anderson* (Chair-elect)	Larry Townsend*	Bob Little
John Wagner* (Treas.)	Peggy Emmett	Larry Miller
Andrew Hodgdon* (Sec.)	Rob Hayes	R.T. Perry
John Bennion*	Ham Hunter	

\* Member Executive Committee ([rpsd@list.ans.org](mailto:rpsd@list.ans.org))

Executive Committee members not in attendance  
Dudziak, Ferenci, Hertel, Selcow, Tanner

**Opening remarks by the Chair, David Court.**

The Agenda was presented (Attachment 2.) David postponed the meeting from 5 to 6pm to accommodate the Program Committee meeting which ran late, 5:30.

**Guest Presentations**

Lisa Shell of Dominion requested funding support for the IYNC 2004 in Toronto. IYNC is the International Youth Nuclear Conference. It is scheduled for the same week as RPSD in Madeira. See [www.iync.org](http://www.iync.org). Ms. Shell can be reached at [lisa\\_shell @DOM.com](mailto:lisa_shell@DOM.com).

Lola Neisius and David Paige (U. Wisconsin students) asked for support for the 2004 ANS Student Conference. The conference is scheduled April 1-3, 2004, see [www.cae.wisc.edu/~ans/conf](http://www.cae.wisc.edu/~ans/conf).

**Secretary's Report**

Larry Miller presented the minutes from the June Meeting. (Larry was Secretary at the time.) Attachment 3.

**Chairman's Report (David Court)**

News – The Future Quest Initiative (50<sup>th</sup> anniversary of Atom's for Peace) asks "What will RPSD be doing in 50 years?"

On the Saturday before the next ANS meeting (Pittsburgh) four officers should plan to attend the Professional Divisions Workshop.

The RPSD Five Year Plan needs up-dating.

The ANS evaluation of the Vitality of our Division gives us a “yellow” on Division Meetings, which is between red (needs fixing) and white (OK.) (Attachment 4)

ANS has requested a list of all non-meeting publication citations by RPSD members. There was considerable discussion on how we would collect the data from all 1200 members. (Demographics included with Attachment 4.)

ACTION assigned to Court – Suggest to ANS that they establish a method to register papers through the membership renewal process.

RPSD by-laws are being revised by the Prof. Div. Comm.

ACTION assigned to Hodgdon – find current by-laws.  
ACTION assigned to Frankle – update link.

Outgoing Chair is currently required by the National to report on the “State of RPSD” to ANS President.

MOTION (passed) – Eliminate the outgoing Chair’s report. ACTION assigned to Court.

### **Chair-Elect Report (David Anderson)**

David reported that there will be a Winter Newsletter.

At the Low Dose Effects session at the ANS meeting Muckerheide is re-visiting the low dose position statement. Members asked if there were new scientific data or if readers should be pointed to existing BEIR reports.

R.T.Perry asked Anderson to put in newsletter a solicitation of member interest to extend the energy deposition standard (ANS 19.3.4) to go above 10 MeV.

We discussed the advisability of technical reports in the newsletter. We have 1200 members. HPS, with many more members, does.

### **RPSD Monte Carlo Topical April 2005 (Kirk)**

Normally the remainder of the technical meeting calendar would be discussed. It was not, but your Secretary is in possession of the Call for Papers for the Monte Carlo Topical Meeting which is sponsored by RPSD for April 17 to 21, 2005 in Chattanooga Tenn. The brochure was handed around during the Executive Committee Meeting. Your Secretary remembers none of the brief discussion but provides the handout as Attachment 5.

### **Program Committee Report (Rob Hayes, Program Committee Chair)**

Rob Hayes, Program Committee Chair, reported the work of the Program Committee, which met just before the Executive Committee. Rob proposed an RPSD Topical meeting in Carlsbad for April 2006, see Attachment 6. The Program Committee voted to defer the vote until more information is received from the Carlsbad group.

In our discussion there were objections to the Carlsbad proposal including:

1. travel time of over 2.5 hours from the nearest airport Carlsbad.
2. too many meetings geographically clustered in South West (RPSD Santa Fe '02, ANS June '06 meeting in Reno, and ANS November'06 meeting in Albuquerque.)
3. too many meetings clustered in time, i.e. three annual RPSD topicals versus our usual system of every other year:
  - April 04 – RPSD Topical Madeira
  - April 05 – RPSD Monte Carlo Topical
  - April 06 – RPSD Carlsbad
4. conference space is not in hotel.
5. Venue seems less interesting than Spokane, which drew poorly, approx. 120.

We discussed moving it to a larger, more accessible city. We discussed embedding in the Reno (June '06) or Albuquerque (November '06) National ANS meetings. We discussed postponing the decision to the June Executive Committee meeting but ANS National wants a commitment by February 2004.

There were no other proposals. There was no motion. Rob Hayes, program chair, thought that if he answered the above objections then he had the approval of the Executive Committee. David Court, Chair, said he would organize an electronic discussion and vote by Exec. Committee.

ACTION assigned to Hayes – Coordinate with National Program Committee.

ACTION assigned to Court – Executive Committee electronic discussion and vote.

### **Treasurer's Report (John Wagner)**

The treasurer's report is Attachment 7. In discussion it came up that ANS is very concerned about solvency.

ACTION assigned to Wagner – Approach ANS to see if we can restrict student money (\$3K voted in the June Exec. Comm. Mtg.) to RPSD students and RPSD meetings.

ACTION assigned to Wagner – Prepare a proposed 2004 budget for the ANS accounting manager.

**Nominating Committee (David Court)**

Typically the Secretary and Treasurer are drawn from the executive committee and the Chair drawn from former Treasurers and Secretaries.

ACTION assigned to Court – solicit nominations for executive committee.

**Website (Stephanie Frankle)**

We discussed whether Executive Committee members were comfortable with the publication of their names, emails and phone numbers (no addresses) on RPSD website. All said this was OK. The website has not yet moved from RSICC to ANS.ORG. Web link to benchmarks is broken. We discussed which template should be used and agreed on the Standard ANS template.

ACTION assigned to Hunter – Fix the benchmark link

**Honors and Awards (Kirk)**

Bob Little is a new ANS Fellow, applause.

**Standards (no report)**

**Membership (Court filled in for Blumberg)**

We have 1263 members this year, 1256 in 2001 and 1297 in 2000. The proportion of RPSD members to total ANS members has remained constant over the last three years.

**Benchmarks (Hunter)**

RPSD was asked to do a special edition of “Progress in Nuclear Energy” with a full review of shielding edited by Don Dudziak. FYI - SINBAD is short of funds. Hunter will send a note to the newsletter.

**Radon Position Statement (Hunter)**

We discussed the Health Physics Society Position Statement on Radon (October 1990.) This is provided as Attachment 8.

MOTION (Passed) – Adopt the HPS Radon statement of October 1990.

### **Blizzard Scholarship (Court)**

MOTION (Failed) to amend the \$1500 funding for the ANS Student Conference in Wisconsin to \$1000.

MOTION (Passed – later superceded – see below) Provide \$1000 funding for the student conference in Wisconsin.

We discussed the IYNC Toronto and needed to find out more, especially what does the conference have to do with RPSD. We were reluctant to pay for organizer travel.

MOTION (Passed) provide \$1500 in funding for the ANS Student Conference in Wisconsin, thereby voiding the prior passed motion.

ACTION assigned to Court – “Find out where we stand.” [Your secretary wrote this down without knowing what it means and trusts that Mr. Chair knows.]

### **Adjournment (Court)**

Court adjourned the meeting at 8:26 p.m.

[As a reminder to future meeting planners; the Program Committee Meeting ran from 4 to 5:30 and the Executive Committee Meeting ran from 6 to 8:30 and we still ended up with unfinished business requiring electronic discussion and voting. Your secretary.]

Submitted,

Andrew Hodgdon  
978 568 2750  
andrew.hodgdon@framatome-anp.com

### Summary of Actions Assigned

1. ACTION assigned to Court – Suggest to ANS that they establish a method to register papers through the membership renewal process.
2. ACTION assigned to Hodgdon – find current by-laws.
3. ACTION assigned to Frankle – update link.
4. ACTION assigned to Court – Recommend elimination of the requirement for the outgoing RPSD Chair report to the President.
5. ACTION assigned to Hayes – Coordinate with National Program Committee.
6. ACTION assigned to Court – Executive Committee electronic discussion and vote.
7. ACTION assigned to Wagner – Approach ANS to see if we can restrict student money (\$3K voted in the June Exec. Comm. Mtg.) to RPSD students and RPSD meetings.
8. ACTION assigned to Wagner – Prepare a proposed 2004 budget for the ANS accounting manager.
9. ACTION assigned to Court – solicit nominations for executive committee.
10. ACTION assigned to Hunter – Fix the benchmark link
11. ACTION assigned to Court – “Find out where we stand.” [Your secretary wrote this down with knowing what it means and trusts that Mr. Chair knows.]

### Summary of Passed Motions

1. MOTION (passed) – Eliminate the outgoing Chair’s report.
2. MOTION (Passed) – Adopt the HPS Radon statement of October 1990.
3. MOTION (Passed) – Provide \$1500 in funding for the ANS Student Conference in Wisconsin.

<u>Name</u>	<u>org</u>	<u>Email</u>	<u>Phone</u>
* Andrew Hodgdon	FANP	andrew.hodgdon@framathome-ANP.com	978 568 2750
RT Perry	ZSCIENCE	tperry@lanl.gov	505 665 4846
Perry, Emmett	ORNL	emmett.perry@ornl.gov	615 875 5671
Larry Miller	UT	LMILLER@UTK.EDU	865/924-7874
* Larry Townsend	UT	LTOWNSEND@TENNESSEE.PK	865-974-7569
* John Wagner	ORNL	wagnerjc@ornl.gov	865 241 3570
Bernie Kirk	ORNL		
Bob Little	LANL	RCL@LANL.GOV	505 665 3487
* David Anderson	EBC	danders5@ehmail.gdeb.com	860-433-6584
* DAVID COURT	LANL	david.court@pentagon.afmil	703-695-5371
* John Bennion	Idaho State Univ	jbennion@isu.edu	208 282-3391
Rob Hayes	WIPP	robert.hayes@wipp.wv	505 234 8926
* Stephanie Frankle	LANL	frankles@lanl.gov	505 665 6761
HAM HUNTER	ORNL	huntf@ornl.gov	865-574-6297

# AGENDA

**Radiation Protection and Shielding Division  
Executive Committee Meeting  
Rosedown Room, Hyatt Regency New Orleans  
5:00 p.m. – 7:00 p.m.  
New Orleans, LA  
Monday, November 17, 2003**

- |   |                |
|---|----------------|
| 1. Call to Order<br>Consideration of Agenda<br>Officers/Board Present | Court          |
| 2. Secretary's Report   | Miller/Hodgdon |
| 3. Chair Report   | Court          |
| 4. Vice-Chair Report  | Anderson       |
| 5. Program Committee Report   | Hayes          |
| 6. Treasurer's Report   | Wagner         |
| 7. Nominating Committee Report  | Johnson        |
| 8. Standing Committee Reports   |                |
| • Honors and Awards   | Kirk           |
| • Standards   | Hopkins        |
| • Membership  | Blumberg       |
| • Benchmarks  | Hunter         |
| • Blizard Scholarship   | Ingersoll      |
| • Public Policy   | Hunter         |
| 9. Old Business   | Court          |
| 10. New Business  | Court          |
| 11. Agenda for Next Meeting   | Court          |
| 12. Adjournment   | Court          |



Minutes of the Radiation Protection and Shielding Division Executive Committee Meeting, 2 June 2003, San Diego, California.

Those Present (Attachment 1):

Hamilton Hunter	Larry Miller	Nolan Hertel	Michele Sutton Ferenci
Ray Klann	Mark Blumberg	David Court	Bernadette Kirk
Robert Hayes	John Bennion	R. T. Perry	Bob Little
Don Dudziak	Dickerson C. Moreno	Jeff Johnson	Stephanie Frankle
David Anderson	Yousry Azmy	Laurie Waters	

### **Opening Remarks by the Chair, Jeff Johnson**

Jeff welcomed those present and briefly discussed the agenda.

### **Student Conference Reports**

Students from the University of Berkley thanked us for our support and gave a short verbal report of the conference along with a Conference summary report. Over 200 students attended and 90 papers were presented. Darby Kimball gave the report.

Students from the University of Wisconsin reported that the theme for the next conference will be “Out of the ashes: Revival of the Nuclear Era.” They requested both financial and personnel support. They specifically requested a RPSD division representative attend the conference. Ross Radel presented the report for Wisconsin.

### **Secretary’s Report (Larry Miller)**

Nolan Hertel moved and John Court seconded that the minutes be accepted as presented by Larry Miller.

### **Chairman’s Report (Jeff Johnson)**

Jeff attended the Meetings, Proceedings and Transactions Committee meeting, and summarized the path forward on how CDs should be structured for topical meetings. The committee took an action item to produce a set of guidelines for abstract booklets and CD proceedings and Jeff will help to get these standards in place. Divisions will have accountability for compliance to the guidelines.

Jeff also attended the Professional Divisions Committee Workshop and Professional Division Meeting. Several noteworthy items came from those meetings. First, ANS continues to make most of its money from national meetings. Thus, we will most likely continue to have two meetings per year.

Second, RPSD was targeted as one of the responsible divisions to support ANS Position Paper 53, which is on Research Reactors. This should fall under the Education and Training Division, so it was concluded that the RPSD should not be involved.

Third, ANS is hurting financially (partially investment driven), and ANS may require all scholarships to be “fully endowed.” One option on the AND Executive board’s agenda is to not augment the ANS scholarships that are not fully endowed. This would require RPSD to either reduce the scholarship or put some additional money into the Blizzard fund to support our scholarship. ANS also is encouraging the divisions to initiate freshmen scholarships in nuclear engineering.

Jeff attended the President’s Meeting with the division chairs and reported that the following five issues were cited in the “Presidents Meeting” as having top priority with the ANS Executive Board:

- 1) Maintaining financial solvency while obtaining society goals
- 2) Attracting and retaining members (new and old)
- 3) Communication of nuclear issues as accepted technology
- 4) Long term solution of the work force
- 5) More effective strategic governance

Jeff presented a table regarding our evaluation according to the new ANS Professional Divisions Committee metrics. The RPSD “graded out” good overall, but could have been rated higher with attention to just a few minor details of governance within our division. At the top level, RPSD only had one metric that did not meet the ANS goals. This metric would have been fine with the addition of one more session at the Winter meeting. Within the other sub-categories, RPSD did not meet ANS goals in four of them. Two of these could have been met if we had a strategic plan in place and all of our position statements current. The other two are goals contrary to how the RPSD membership has chosen to do business and we will never match the Society’s goals in these areas. There were two other sub-categories which we met the Society goals but could have exceeded them by following our charter for Peer Recognition/Awards, and providing support for students to attend the Winter Meeting. Jeff indicated the PDC metrics are an excellent way to determine the health and vitality of your division and where the division can improve. It is a means to self assess whether you are following your own charter and also making a positive contribution to the Society as a whole.

Stephanie moved and Laurie seconded that upper bar metrics can be associated with the division name (i.e. RPSD). Motion passed unanimously.

Michele Sutton Ferenci moved and Don Dudziak seconded to allocate funds for students to participate in RPSD technical meetings. Motion Passed. A committee consisting of Nolan, Don and Larry was appointed to recommend how to support student participation in RPSD meetings.

Jeff Johnson proposed to increase the duties of the Past Chair as follows:

- 1) Serve as the RPSD reviewer of the PDC manual,
- 2) Chair the nominating committee,
- 3) Serve on the Strategic/Tactical Planning committee comprised of the Past Chair, Present Chair, and Vice-Chair/Chair-Elect),
- 4) Serve as the RPSD liaison to the Student Sections Committee Meeting (12:00 - 2:00 on Sunday)

Laurie moved and Stephanie seconded that we concur with this list of duties. Motion passed.

### **Vice Chair Report (John Court)**

The newsletter will be published in July.

### **Program Committee Report (David Anderson and Robert Hayes)**

Winter Meeting Nov 9-13, 2003 in New Orleans, LA. Sessions for the New Orleans meeting in November of 2003 will include:

- a) General
- b) Pressure Vessel Radiation
- c) Medical Production Isotopes

ICRS-10/RPS 2004 Status Report, May 9-14, 2004, Madeira Island, Portugal. Organization for the RPSD 2004 meeting in Portugal is progressing well. Ten session chairs are selected, and a call for papers is completed. The NEA will handle the paper submissions. The call for papers was handed out, and David announced that the National Program Committee granted Preliminary Approval for the ICRS-10/RPS 2004 meeting.

David Anderson proposed Robert Hayes to become the new RPSD program chair. Stephanie moved and Nolan seconded that Bob Hayes be the new program chair. Motion passed.

M&C 2003 Update (Yousry Azmy & Bernadette Kirk) About 220 attended the meeting, 157 papers submitted and 150 were accepted. Report of the M&C 2003 is provided for inclusion in the minutes.

### **Past Chair Report (Larry Miller)**

The results from the election are as follows:

Chair Elect: Dave Anderson

Secretary: Andrew Hodgdon

Treasurer: John Wagner

Board: Larry Townsend, Elizabeth Selcow, and Jennifer Tanner

Results are also shown in bold face type in Attachment 2.

### **Incoming Chair Report (David Anderson)**

No prepared report, but congratulations were extended to David for being selected as the Chair Elect.

### **Treasurers Report (Laurie Waters)**

The balance at the end of 2002 was \$20,561.

Laurie moved and Stephanie seconded to allocate \$3,000 for students to travel to ANS meetings. Motion passed.

*Note: There was considerable uncertainty regarding how to implement this, but it was agreed that it can be discussed further in November.*

## **STANDING COMMITTEES**

### **Honors and Awards (Bernie Kirk)**

Bob Roussin was nominated to receive the division lifetime achievement award or Rockwell award. Stephanie moved and Laurie seconded that Bob Roussin receive the Rockwell award. Motion passed.

It was agreed that Betty Maskewitz would be nominated for the Weinberg medal.

Bernadette Kirk was nominated for a Division Distinguished Service Award. John Court moved and Laurie seconded. Motion Passed.

Bob Little was nominated for a Division Professional Excellence Award. Stephanie moved and Nolan seconded that Bob Little be given the Professional Excellence Award. Motion Passed

Blizard Scholarship: There was an excellent group of applicants this year. The winner of the Blizard scholarship went to Kevin Patrick Lynn, University of Michigan.

### **Standards (Bill Hopkins)**

No report provided.

### **Membership (Mark Blumberg)**

Welcome letters will be sent to new members. The RPSD web site needs to be moved to the ANS National server and updated.

### **Benchmarks (Hamilton Hunter)**

SINBAD is free and will send out on a CD.

The board discussed the disposition of the Radon Position Paper. It was decided to update the paper and resubmit with minor changes at this time. Nolan moved and Bernie seconded that the “Radon” position statement be updated. Hamilton Hunter agreed to take the lead on this effort.

### **Old Business**

Stephanie Frankle volunteered to be the RPSD web master. John Court moved and Laurie seconded that Stephanie be the new web master when the RPSD web site is moved to ANS headquarters.

### **New Business**

None

The meeting adjourned at 7:00 p.m.

Attachment 1

NAME	org	email	phone
Ham Hunter	ORNL	HUNTERHT@ORNL.GOV	865-574-6297
Larry Miller	UT	lfmiller@utk.edu	865-974-7574
Nolan Hertel	GaTech	nolan.hertel@mc.gatech.edu	404-894-360
Michele Sutton Ferenci	Emory	michele@radonc.emory.org	678-576-9109
Ray Klann	ANL	klann@anl.gov	630-252-4305
Mark Blumberg	NRC	WMB1@NRC.GOV	301-415-1083
DAVID COURT	LANL	davec@lanl.gov	505-665-5057
Bernie Kirk	ORNL	KIRKBL@ORNL.GOV	865-574-6176
Robert Hayes	WIPP	Robert.Hayes@wipp.ws	505 234 8926
John S Bennion	Idaho St Univ	jbennion@isu.edu	208-282-3351
RT Perry	INBN	terrellperry@yahoo.com	505 672 0099
Bob Little	LANL	RCL@LANL.GOV	505-665-3487
DOX DUDZIAK	LANL	DUDZIAK@NCSU.EDU	505-661-3832
DICKERSON c MORENO	Univ of MD	dickersoncm@engineer.com	573-673-5100

Attachment 2

RPSD Board Members, Officers and Candidates (*in bold italic*)

Position\Year	2002-03	2003-04	2004-05	2005-06
Chair	Jeff Johnson	<b>John Court</b>		
Chair Elect	John Court	<b>Dave Anderson</b> <b>Ray Klann</b>		
Secretary	Larry Miller	<b>Andrew Hodgdon</b> <b>Eric Shores</b>		
Treasurer	Laurie Waters	<b>Phil Ferguson</b> <b>John Wagner</b>		
Board Members	Stan Anderson Peggy Emmett Kim Kearfott	David Anderson Stephanie Frankle Nolan Hertel	John Bennion Don Dudziak Michele Ferenci	<b>Larry Townsend</b> <b>Bob Metzger</b> <b>Elizabeth Selcow</b> <b>Jennifer Tanner</b> <b>Everett Redmond</b> <b>Yousry Azmy</b>
Past Chair	Larry Miller	<b>Jeff Johnson</b>	John Court	
Program Chair	David Anderson	Robert Hayes		
Membership	Mark Blumberg	<b>Mark Blumberg</b>		
Benchmarks	Hamilton Hunter	<b>Hamilton Hunter</b>		
Honors & Awards	Bernie Kirk	<b>Bernadette Kirk</b>		
Standards Liaison	Bill Hopkins	<b>Bill Hopkins</b>		
Scholarship	Dan Ingersoll	<b>Dan Ingersoll</b>		
Ex-Officio	Don Hoffman	<b>Don Hoffman</b>		
ANS Board	Sophie Gutner	<b>Sophie Gutner</b>		
Liaison				
ANS Staff Liaison	Sharon Kerrick	<b>Sharon Kerrick</b>		

## 2002 PDC Vitality Summary

<b>Division</b>	<b>Division Meetings</b>	<b>Division Governance</b>	<b>Division Contribution to Society</b>	<b>Division Services to Membership</b>	<b>Comments</b>
AAD					Communications
ANST					National Meetings Class I & II Topicals
BMD					
DD&R					
ESD					
ETD					
FCWM					
FUSION					
HFD					
IRD					Communications Class I & II Topicals
MCD					Class I & II Topicals
MSTD					
NCSD					Class I & II Topicals
NISD					
OPD					
RPD					
RPSD					
RRSD					National Meetings
THD					



### Critical Vitality Measures (Requiring PDC Action)

Division	National Meetings	Class I & II Topical Meetings	Membership Trends	Communications	Society Leadership	ANS Position Statements
AAD						
ANST						
BMD						
DD&R						
ESD						
ETD						
FCWM						
FUSION						
HFD						#
IRD						
MCD						#
MSTD						#
NCSD						
NISD						
OPD						
RPD						
RPSD						
RRSD						#
THD						#

Notes:

# - This division is not responsible for position statements

**2002 Professional Division Metrics / Measures of Division Vitality  
(Based on Dominant Measure in 19 Divisions)**

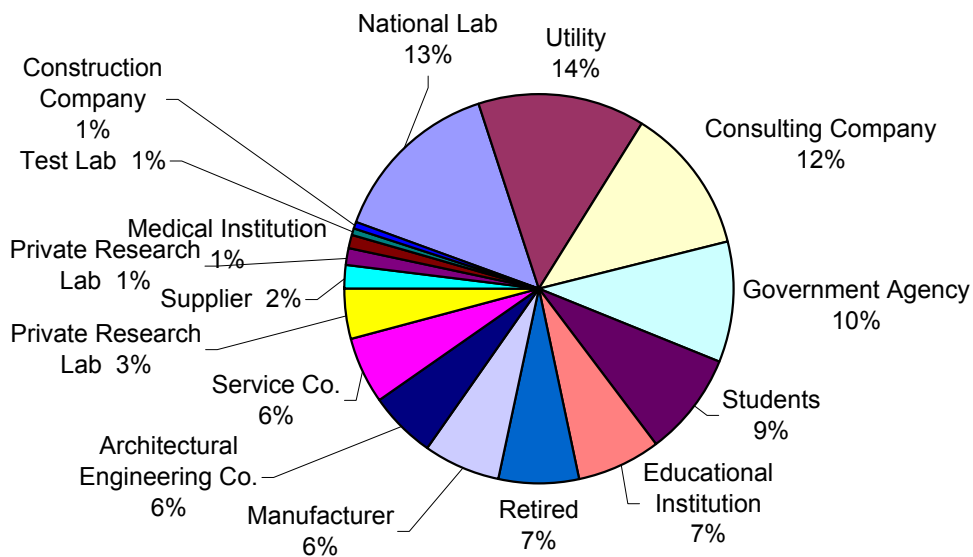
<b>Division Meetings</b>	<b>Division Governance</b>	<b>Division Contributions to Society</b>	<b>Division Services to Membership</b>
<p align="center"><b>National Meeting Participation</b></p> <p align="center">G-11 W-4 Y-2 R-2</p>	<p align="center"><b>Succession Planning</b></p> <p align="center">G-1 W-1 Y-17</p>	<p align="center"><b>ANS Position Statements</b></p> <p align="center">G-3 W-6 Y-10 R-0 Note: Adjusted for 5 divisions that do not support position statements</p>	<p align="center"><b>Professional Development</b></p> <p align="center">G-6 W-1 Y-12</p>
<p align="center"><b>Class I Class II Topicals</b></p> <p align="center">G-8 W-5 Y-2 R-4</p>	<p align="center"><b>Membership Trends</b></p> <p align="center">G-3 W-13 Y-3 R-0</p>	<p align="center"><b>Participation with Outside Professional Societies</b></p> <p align="center">G-7 W-8 Y-4</p>	<p align="center"><b>Scholarships</b></p> <p align="center">G-5 W-9 Y-5</p>
<p align="center"><b>Class III Topicals</b></p> <p align="center">G-6 W-5 Y-8</p>	<p align="center"><b>Communications</b></p> <p align="center">G-5 W-7 Y-5 R-2</p>	<p align="center"><b>Society Leadership</b></p> <p align="center">G-13 W-6 Y-0 R-0</p>	<p align="center"><b>Peer Recognition/Awards</b></p> <p align="center">G-11 W-4 Y-4</p>
	<p align="center"><b>Division Planning</b></p> <p align="center">G-3 W-0 Y-16</p>	<p align="center"><b>Non-Meeting Publications</b></p> <p align="center">G-5 W-0 Y-14</p>	<p align="center"><b>Student Support</b></p> <p align="center">G-3 W-10 Y-6</p>

**Radiation Protection and Shielding Division, Industry**

**Fall 2003**

National Lab	184	14%	} 50%
Utility	178	14%	
Consulting Company	157	12%	
Government Agency	130	10%	
Students	111	9%	
Educational Institution	88	7%	
Retired	86	7%	
Manufacturer	80	6%	
Architectural Engineering Co.	74	6%	
Service Co.	72	6%	
Other (not identified)	51	4%	
Supplier	24	2%	
Private Research Lab	19	1%	
Medical Institution	15	1%	
Test Lab	7	1%	
Construction Company	7	1%	
<b>Total</b>	<b>1283</b>	<b>100%</b>	

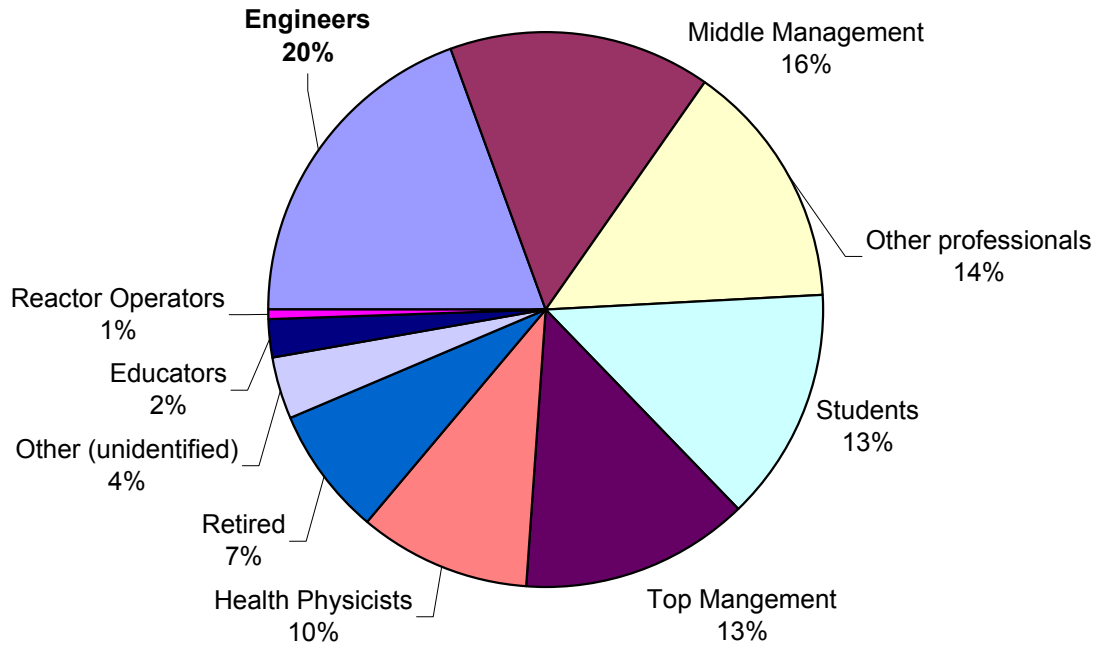
## Radiation Protection and Shielding Division, Industry



**Radiation Protection and Shielding Division, Position  
Fall 2003**

Engineers	250	19%	→	<u>Engineers:</u>	
Middle Management	197	15%		196 Nuclear	
Other professionals	184	14%	→	<u>Other professionals:</u>	39 Other
Students	173	13%		60 Scientists	11 Mechanical
Top Mangement	171	13%		57 Consultants	3 Chemical
Health Physicists	131	10%		28 Other specialists	1 Electrical
Retired	94	7%		19 Technician	
Other (unidentified)	49	4%		14 Analysts	
Educators	26	2%		6 Chemists	
Reactor Operators	8	1%			
<b>Total</b>	<b>1283</b>	<b>81%</b>			

**Radiation Protection and Shielding Division,  
Position**





# Call for Papers

## Monte Carlo 2005 Topical Meeting

### Chattanooga Marriott and Convention Center Chattanooga, Tennessee, USA

#### April 17-21, 2005



## *The Monte Carlo Method: Versatility Unbounded In A Dynamic Computing World*

### Organizing Committee

#### **Honorary Chair**

Lester Petrie  
Oak Ridge National Laboratory

#### **General Chair**

Bernadette L. Kirk  
Oak Ridge National Laboratory

#### **Asst. General Chair**

Peggy Emmett  
Oak Ridge National Laboratory

#### **Technical Chair**

Jeffrey O. Johnson  
Oak Ridge National Laboratory

#### **Asst. Technical Chairs**

Trent Primm  
Luiz Leal  
Oak Ridge National Laboratory

Ron Pevey  
University of Tennessee

#### **Arrangements**

Barbara Snow  
Oak Ridge National Laboratory

#### **Publicity**

Phillip D. Ferguson  
Oak Ridge National Laboratory

#### **Finance**

Erik B. Iverson  
Oak Ridge National Laboratory

#### **Registration**

Michael Dunn  
Sheila Finch  
Oak Ridge National Laboratory

#### **Hospitality**

Nancy Hatmaker  
Angie Alford  
Oak Ridge National Laboratory

#### **Publications**

Sedat Goluoglu  
Alice Rice  
Oak Ridge National Laboratory

#### **University Liaison**

Ron Pevey  
University of Tennessee

#### **Student Representative**

#### **Paper awards**

John Wagner  
Oak Ridge National Laboratory

#### **Website**

Janice Arwood  
Oak Ridge National Laboratory

#### **Corporate Sponsorship**

Tom Kiess  
Department of Energy/RW

### ANS Sponsoring Divisions

[Radiation Protection and Shielding](#) [Mathematics and Computation](#)

### ANS Local Section Host

[Oak Ridge-Knoxville Section](#)

### Meeting Co-Sponsors

[OECD Nuclear Energy Agency](#) [Radiation Safety Information Computational Center](#)

### Technical Session Topics

#### **Methods Advancements**

Proton transport  
Neutron transport  
Gamma transport  
Electron transport  
Heavy ion transport

#### **Nuclear Data Advancements**

Proton transport  
Neutron transport  
Gamma transport  
Electron transport  
Heavy ion transport

#### **Applications**

Reactor  
Medical  
Accelerator  
Neutron science  
Dosimetry  
Shielding  
Fuel cycle  
Waste management  
Space & aviation  
Fusion  
Criticality safety  
Non-nuclear applications

#### **Mathematical & Computational Advances**

Experiments & benchmarks  
Mathematical advances  
Computational advances  
Visualization

### Plenary Session Topics

High Energy Transport  
Neutral Particle Transport  
Electron Transport  
Heavy Ion Transport

### Deadlines

#### **June 30, 2004**

Electronic submission of abstracts

#### **July 23, 2004**

Author acceptance notification

#### **September 10, 2004**

Submission of full papers

#### **November 12, 2004**

Revisions communicated to authors

#### **February 7, 2005**

Final papers due

#### **March 26, 2005**

Early registration & Hotel reservation

### Paper Instructions

– Describe new and significant work  
– Use 200-300 words, one page, no figures  
– Electronic submission in Adobe Acrobat (pdf)  
or MS-Word format  
–Additional details at

[www.meetingsandconferences.com/  
MonteCarlo2005/](http://www.meetingsandconferences.com/MonteCarlo2005/)

For more information, please contact:

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# Bid to Host the 2006 Biennial ANS RPSD Conference in Carlsbad, New Mexico

Dr. Chuan-Fu Wu  
Dr. Robert Hayes  
2003 ANS Winter Meeting

## The City of Carlsbad



- Near WIPP, the US repository for TRU waste
- Plenty of accommodations
- Near Gnome site
- Near Carlsbad Caverns
- Impressive conference center
- Day trip to Trinity site, Sandia or Los Alamos

## Conference center capacity >350

(Note actual proximity to the Pecos River shown below)



## Plenty of Hotel Space



- 220 Rooms at Stevens Inn
- 124 Rooms at the Quality Inn (shown left)
- 100 Rooms at the Holiday Inn
- Other hotels available

## Accommodation Estimates

- \$65/night at the Stevens Inn (includes breakfast).
- \$69/night at the Holiday Inn (also includes breakfast).
- Standard rental car rates
- Commercial flight rates into El Paso or Midland/Odessa.

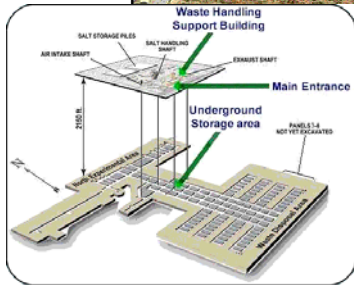
## Transportation into/out of Carlsbad



- Fly directly in by Mesa Airlines (limited flights and rental cars)
- Rental car from El Paso (~160 miles) or Midland/Odessa (~150 miles)
- Shuttles could be arranged from El Paso or Midland/Odessa if enough interest is shown
- Chartered flights from Albuquerque (if demand is sufficient)



# Waste Isolation Pilot Plant Tour – Surface and Underground Facilities



## Science@WIPP

*At the dawn of discovery...*

Supernovae Neutrinos

Underground Laboratory

Double Beta Decay

Repository Science

Renewable Energy

ADTF Accelerator

Biology

LeptonTown  
June 2000 Workshop

The U.S. Department of Energy considers WIPP to be a national resource.

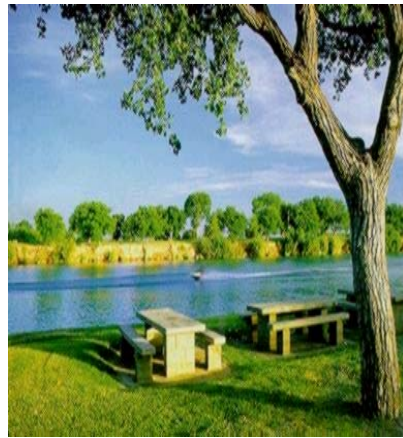
WIPP offers this unique facility to researchers around the world as a laboratory to study a variety of subjects.

**Science@WIPP**

# Carlsbad Environmental Monitoring and Research Center NMSU



## Pecos River Rides and Recreation



## Local Outdoor Opportunities



- Guadalupe mountains national park - highest point in the state of Texas, ~60 miles from Carlsbad
- Living Desert State Park - impressive zoo and botanical garden of local wildlife and fauna, in Carlsbad

## Preconference Golf Tournament?



- Two 18-hole courses in Carlsbad - Riverside Country Club and Carlsbad Municipal Golf Course
- The Municipal Golf Course also offers a 9-hole par three course

# The World Famous Carlsbad Caverns is Just 20 Miles Away



## Possible Day Trips



Trinity Site



Gnome Site (project Plowshare)



Local National Labs



Lincoln County/Lincoln township  
(home of Billy the Kid)

## Multiple Evening Events (no need to miss presentations)



- Pecos River Boat Ride
- Gnome site visit
- Carlsbad Flumes
- Living Desert State Park  
(shown left) until 8 pm
- Bats at Carlsbad  
Caverns (if they have  
returned)



## Local Organizing Committee

(as required by ANS policy, all conference officers are ANS members in good standing)

General Chair –	Dr. Chuan Fu Wu
Technical Program Chair –	Dr. Robert Hayes
Publications Chair –	Dr. William
<b>Bartlett/Mansour Akbarzadeh (Co-Chair)</b>	
Workshop Chair –	Joel Webb
Finance Chair –	Daniel Mby
Registration Chair –	Walter (Guy) Rhoden
Golf Tournament Chair –	Don Harward
Gnome Site Chair –	Guy Rhoden/Robert Hayes
WPP Site Visit Chair –	Guy Rhoden/Robert Hayes

## Conference Registration Fee Estimates

(approved by the Finance Chair as preliminary only)

	<b>Early</b>	<b>Late</b>
ANS or HPS members:	\$475	\$525
Nonmembers:	\$625	\$675
Students:	\$150	\$150
Emeritus members:	\$150	\$150
<b>Miscellaneous</b>		
Banquets (each)	\$50	\$50
Guest attendance with a paid registrant:	\$50	\$50
<b>Members-Nonmembers</b>		
Single-day attendance:	\$325	\$475
Workshops	\$150	\$200
	(\$250 for 2)	(\$350 for 2)

## Anticipated budget

(additional 20% added in all calculations for buffer)

**200 attendees @ \$475 ea. = \$95,000 income**

(Workshops will cost a single day use of the entire conference center and audio visual equipment and coffee and donuts with 4 speakers receiving \$300 each totaling \$3000 so we will 20 workshop attendees total to break even on workshop costs and so this is not included in preliminary budget estimates below)

Conference Center	5000
Morning coffee and donuts	1000
Lunch each day	9800
Reception and banquet	7200
Shuttle services	10000
Publication costs (plus COS fees)	13500
Nuclear News Announcement	1500
Leather satchel bag	4000
Credit card fees	3000
<b>Total (plus 20% buffer)</b>	<b>66000</b>
<b>Profit</b>	<b>29000</b>

Note that local cost estimates were provided by the Carlsbad Chamber of Commerce.

# Tentative Session Outline

	Morning Sessions	Afternoon Sessions	Functions
Sun	Workshops	Workshops	Golf Tournament
Mon	Plenary Speakers Dr. Ines Triay-DOE CBFO TBD	Space Radiation Shielding and Doses I: Measurements, Experiments and Codes Shielding Applications- I Health Effects of Low Dose Radiation Nuclear Well Logging	Morning coffee and donuts Lunch Evening reception
Tues	Nuclear Data for Shielding Applications- I Accelerator Applications and Shielding- I Decommissioning and Decontamination Advances in Deterministic and Hybrid Codes and Methods	Space Radiation Shielding and Doses II Solar Particle Events / Doses in Aircraft- I Transport Codes in Medical Physics Shielding Applications- II Developments in NDA/ NDE Technologies	Morning coffee and donuts Lunch Evening Banquet
Wed	Nuclear Data for Shielding Applications- II Radiological and Environmental Dosimetry and Assessment Accelerator Applications and Shielding- II Accident and Source Term Analyses Shielding Benchmarks and Standards	Doses in Aircraft -II Radiation Shielding and Protection in Radiation Therapy Shielding Applications- III SOURCES Computer Code- Progress and Applications	Morning coffee and donuts Lunch
Thur	Dose Assessment Technology and Detectors / Dose Conversion Factors Repository and Waste Management Applications The Remote Handled TRU Waste Project at the Waste Isolation Pilot Plant Advances in Monte Carlo Codes and Methods	Transportation, Storage and Shielding of radioactive Sources Advances in Diagnostic and Therapeutic Radiation Medicine Visualization and User Interfaces Shielding Applications- IV	Morning coffee and donuts Lunch
Fri	Visit To WIPP and Gnome Site Day trip to Lincoln County and Township		

## Preliminary Publication Plans

- CD-ROM
- Custom Jacket printed locally
- Book of abstracts
- Paper review done by COS
- Distributed at the registration desk with conference materials and freebies
- Both the book of abstracts and the CD's can be produced locally at a reasonable cost.

## Carlsbad Wants RPSD 2006

- Carlsbad community is very friendly towards nuclear science/technology
- Carlsbad has substantial amenities, attractions and points of interest for the nuclear community
- Carlsbad is home to the world's only licensed, operating deep geological repository for TRU waste
- Carlsbad has all the facilities and infrastructure needed to host an outstanding RPSD conference



AMERICAN NUCLEAR SOCIETY  
DIVISION FINANCIAL REPORT  
09/30/03

**RADIATION PROT. SHIELDING DIV. (NO BUDGET SUBMITTED)**

	BUDGET 12 MONTHS 2003	ACTUAL 9 MONTHS 2003	PAGE 2 REF.
BUDGET FUNDS			
CARRY FORWARD FROM 2002	0	20,561	
2003 MEMBER ALLOCATION	0	1,263	
DIVISION INCOME 2003	1,962	1,962	1
<b>TOTAL BUDGET FUNDS</b>	<b>1,962</b>	<b>23,786</b>	
BUDGET EXPENSES			
NEWSLETTERS	0	0	2
AWARDS, PLAQUES	0	97	3
NATIONAL MEETING COSTS	0	0	4
DIVISION OFFICER EXPENSE	0	0	5
STUDENT SUPPORT	0	1,000	6
SCHOLARSHIP/NEED FUNDING	0	0	7
OTHER EXPENSES	0	0	8
<b>TOTAL EXPENSES</b>	<b>0</b>	<b>1,097</b>	
<b>EXCESS (DEFICIENCY) OF BUDGET FUNDS OVER EXPENSES</b>	<b>1,962</b>	<b>22,689</b>	

AMERICAN NUCLEAR SOCIETY  
DIVISION FINANCIAL REPORT  
09/30/03**RADIATION PROT. SHIELDING DIV.**

043070

## 1. DIVISION INCOME

2003 Embedded Topical April 6-10, 2003	1962	Nuclear Mathematical & Computational Sciences
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1962

## 2. NEWSLETTERS

0

## 3. AWARDS, PLAQUES

Plaque	97	Outgoing Chair presented at the 6/03 meeting
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97

## 4. NATIONAL MEETING COSTS

0

## 5. DIVISION OFFICER EXPENSE

0

## 6. STUDENT SUPPORT

Support	1000	2003 Student Conference Berkeley, CA 4/2/03-4/5/03
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1000

## 7. SCHOLARSHIP/NEED FUNDING

0

## 8. OTHER EXPENSES

0



HEALTH  
PHYSICS  
SOCIETY

## PERSPECTIVES AND RECOMMENDATIONS ON INDOOR RADON

### POSITION STATEMENT OF THE HEALTH PHYSICS SOCIETY\*

Adopted: October 1990

Contact: Richard J. Burk, Jr.  
Executive Secretary  
Health Physics Society  
Telephone: 703-790-1745  
Fax: 703-790-2672  
Email: [HPS@BurkInc.com](mailto:HPS@BurkInc.com)  
<http://www.hps.org>

Radon is a colorless and odorless radioactive gas that is and always has been a natural component of the air we breathe. Radon is produced by the radioactive decay of radium, a naturally occurring radioactive element that is found in trace amounts in all soils as well as building materials, plants, animals, and the human body. Although scientists have been aware of radon for many years, it was not until recently that it was realized that the largest radiation exposures received by most individuals comes from natural sources of radiation, primarily radon and its radioactive decay products. This new understanding of the role of radon has led to anxiety over radiation exposures among members of the general public and considerable and often inaccurate statements in the media.

The Health Physics Society encourages public understanding of the potential risks from radon, and recommends that exposure to radon and its radioactive progeny be minimized in accordance with practical considerations, taking into account applicable technical, economic, and societal factors. To assist the public, health officials, educators, and the media, the Society offers the following seven observations and recommendations on the topics of radon exposures, risks to health, and national abatement programs.

1. **Provide the Public with Realistic Expectations.** The assumption that radon contributes significantly to the total number of lung cancers may be reasonable, but cigarette smoking is still, by far, the major cause of lung cancer and will completely dominate the incidence of this disease for the foreseeable future. Only after many years would a successful radon abatement program begun today be likely to reduce the number of lung cancers, and then only by a very small percentage of the total.
2. **Base Priorities on the Likelihood of Exposure.** The Environmental Protection Agency should review its emphasis on the use of 4 picocuries on radon per liter of air (pCi/L) as an action level. Rather the EPA should emphasize the prompt identification on indoor occupied areas with very high radon concentrations (i.e. tens of pCi/L and greater) as candidates for prompt mitigation. The

EPA and other responsible public health officials should encourage appropriate radon testing to identify suitable candidate buildings.

3. **Inform Homeowners of the Benefits of Radon Reduction**. The EPA and other public health agencies should provide realistic information on the potential benefits of radon reduction in homes, based on the actual lifetime radon exposure that will be avoided. The potential synergistic effects of cigarette smoking and other air pollutants should be included in this information. Homeowners should be informed that the benefits to individuals from radon reduction are not necessarily based on the initial radon concentration, but rather the degree of reduction achievable and other factors related to home occupancy and smoking habits.

4. **Inform Elected Officials of the Benefits of Radon Reduction in Schools and Other Public Buildings**. Elected officials should be provided with realistic information on the benefits, costs, and practicality of radon reduction in schools and other public buildings. Evaluation of potential benefits should include consideration of the number of people exposed, and the magnitude and expected long term effectiveness of exposure reduction. The Health Physics Society encourages elected and other officials to make decisions regarding abatement based on measurements that are representative of conditions of normal occupancy.

5. **Appeal to Reason Rather Than Emotion**. Education of the public should be based on reason, rather than on emotion. In particular, the Society condemns the use of fear and other emotional scare tactics to overcome apathy or encourage action on the part of homeowners and other members of the public. Enhancement of the already present and lamentable radiation phobia in the public may easily have unexpected and undesirable repercussion such as reluctance to undergo valuable and potentially beneficial medical procedures due to an irrational fear of radiation effects.

6. **Redirect the National Radon Abatement Program**. The EPA should place its major emphases for radon abatement in three areas: 1) radon resistant design for new construction; 2) identification and mitigation of the highest indoor radon exposures -- i.e. homes, schools, hospitals, and other public buildings with radon concentrations of tens of pCi/L or greater; and 3) assistance to the real estate industry and mortgage lenders in developing improved programs of radon testing and abatement as necessary at the time of property transfer.

7. **Encourage and Support Additional Research**. Although we know a great deal about radon and its potential effects on health, there is still much we do not know and could benefit from learning. The EPA and other governmental agencies concerned with radiological health should encourage and fund additional research by competent qualified scientists to improve our understanding of the risks of radiation and the means to mitigate those risks.

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\* The Health Physics Society is a non profit scientific professional organization whose mission is to promote the practice of radiation safety. Since its formation in 1956, the Society has grown to approximately 6,000 scientists, physicians, engineers, lawyers, and other professionals representing academia, industry, government, national laboratories, the department of defense, and other organizations. Society activities include encouraging research in radiation science, developing standards, and disseminating radiation safety information. Society members are involved in understanding, evaluating, and controlling the potential risks from radiation relative to the benefits. Official position statements are prepared and adopted in accordance with standard policies and procedures of the Society. The Society may be contacted at: 1313 Dolley Madison Blvd., Suite 402, McLean, VA 22101; phone: 703-790-1745; FAX: 703-790-2672; email: HPS@BurkInc.com.