



The Neutrino

American Nuclear Society - Savannah River Section
Newsletter - January 2012

<http://www.ans-sr.org> and <http://local.ans.org/savriv/>

2011 – 2012 ANS-SR Leadership

Executive Committee (EC)

EC Section Officers:

Chair

Amanda Bryson, MOX Services

Vice-Chair

VACANT

Treasurer

Sid Keener, URS

Secretary

Tinh Tran, SMS

Additional EC Members:

Education Outreach Chair

Bob Eble, MOX Services

Publications Chair

Jay Bilyeu, Retired DOE/SR

Programs Chair

John Dewes, SRNS

Scholarship Chair

Stephanie Zejewski, MOX Services

At Large Member

Phil Cupp, Southern Company

Past Section Chair

Bill Wabbersen, SRNS

Other Committee Chairs

Arrangements Chair

Brian Lenz, MOX Services

Membership Chair

Open Position

Topical Chair

Open Position (see page 3)

Retiree Liaison Chair

Open Position

Administrative Assistant

Diane Shelton, Retired SRS

ans.savannahriver@gmail.com

MESSAGE FROM THE CHAIR

What a momentous start to 2012 we have had. While this newsletter celebrates events and accomplishments from 2011, I'm excited to tell you that ANS-SR is starting the New Year off right by leading or supporting major events in January, including a talk by Fred Dohse, Chief Operating Officer of Savannah River Nuclear Solutions, and a meeting and tour at Plant Vogtle. ANS-SR is also fortunate to host ANS National President, Dr. Eric Loewen, for a joint dinner meeting with Citizens for Nuclear Technology Awareness (CNTA) in February. In addition to these events, our members are as active as always in Outreach, supporting Future City, a joint CNTA/ANS Teacher Workshop, and numerous classroom presentations.

It is fitting that the Section has started the year in a memorable way, as the industry has done the same. I'm referring, naturally, to the Nuclear Regulatory Commission's licensure of the new nuclear reactors at Plant Vogtle. What an exciting affirmation of the hard work, and the commitment to the use of technology in the service of the community, that can be found in the nuclear community at all times. This kind of integrity is what will allow the nuclear industry to thrive in the future.

Success for the industry, of course, represents success for the individuals connected with it at all levels. I hope the events of this year have energized each member of our section, as they have me, to think critically about what we each can do in the new year to continue a tradition of excellence. With more big events coming up, like the PSA 2013 topical meeting, there will be many opportunities to shine. I look forward to sharing these opportunities, and the excitement of this time, with you.

We have several opportunities to join the Executive Committee and support your local chapter. Please contact me if you are interested.

Amanda Bryson, Chair

abryson@moxproject.com

The American
Nuclear Society –
Savannah River
Section covers 46
counties in Georgia
and South Carolina.



CONGRATULATIONS!!!

We want to share some great news with our members.

ANS National recognized the accomplishments of the ANS Savannah River local section

by awarding ANS-SR with the “best of” in three of the four categories available for large local sections:
Best Membership, Best Meetings and Programs, and Best Public Information.

“BEST MEMBERSHIP”

This award recognizes local section actions to obtain new members and retain current members. Criteria for judging include membership drive methods and efforts; members involved in recruitment; percent of new members; percent of renewals; and promotion of national ANS membership.

“BEST MEETINGS AND PROGRAMS”

This award recognizes local sections for conducting activities to meet the needs of their members. Criteria for judging include the number of programs held, variety in topics and types of programs and in the location of meetings, and the percent of members attending during the year.

“BEST PUBLIC INFORMATION AND EDUCATION”

This award recognizes the intensity of the effort by local sections to inform the public (persons who are not in the nuclear field) about nuclear energy. Criteria for judging include the number and variety of outreach projects, percent of membership involved, effectiveness of activities, publicity received and audience reached, and the use of new media to provide information to the public.



Carl Mazzola, past Program Chair, received the awards on behalf of ANS-SR at the ANS National Meeting in Washington, D.C.

Congratulations to everyone who is part of this award winning local section!

JOIN ANS-SR on Facebook, Twitter and YouTube

FACEBOOK: <http://www.facebook.com/pages/ANS-SavannahRiver/143771258995015>

TWITTER: http://www.twitter.com/ANS_SR (note the underline between ANS and SR)

YouTube: <http://www.youtube.com/user/ANSSavannahRiver>

ANS-SR Co-Sponsoring a 2013 Topical –Important!

ANS-SR, in partnership with the ANS Columbia Section, was selected to host the September 2013 Probabilistic Safety Analysis (PSA) Topical. The Columbia Section is taking the leadership role and the topical will be held in Columbia, South Carolina. The Columbia Section has recent experience in hosting topicals and ANS-SR is using this opportunity to re-gain our proficiency in hosting large national meetings.

The ANS Nuclear Installations Safety Division (NISD) partners with local chapters to sponsor the PSA Topical Meeting. Overseas nuclear societies are often cosponsors as well. The first PSA Topical was held in California in 1978, and had about 325 attendees and 100 papers presented. Detailed information on PSA 2011, which was held in Wilmington, North Carolina, is available at <http://meetingsandconferences.com/psa2011/>.

Openings are available for interested volunteers to support this important and prominent initiative. Please contact ans.savannahriver@gmail.com or contact Amanda Bryson at (803) 819-2913 or abryson@moxproject.com to join the volunteers supporting these activities!

WHY IS THIS SO IMPORTANT? ANS-SR needs funds to continue to support the important activities you read about in the Neutrino – including scholarships for high school students, Future City Competitions, and College Night. ANS-SR does NOT collect dues and does not make money on technical meetings and events. Hosting a topical will bring needed funds to our organization. WE NEED your support for the topical to help keep our good programs going. Please join the volunteer team today!

Upcoming Technical Meetings

TRIVIA NIGHT

March 8, 2012
Aiken Brewing Company, Aiken SC

MOX UPDATE

March 21, 2012
Clay Ramsey, MOX Federal Project
Director
Carraba's Italian Restaurant, Augusta
GA.

PLANT VOGTLE

May 3, 2012
Cheri Collins, General Manager for
External Alliances in Nuclear
Development

The secret of getting ahead is getting started. The secret of getting started is breaking your complex overwhelming tasks into small manageable tasks, and then start on the first one.

- Mark Twain

We are generally better persuaded by the reasons we discover ourselves than by those given to us by others.

- Blaise Pascal

SEPTEMBER TECHNICAL MEETING

CHRISTINE EDWARDS – “DOE/NNSA RESPONSE TO RADIOLOGICAL RELEASE FROM THE FUKUSHIMA DAI-ICHI NUCLEAR POWER PLANT”

ANS-SR held a technical dinner meeting September 14, 2011, at Eejays Restaurant located in Aiken, South Carolina. The theme of this year's set of technical programs is “What Every Nuke Should Know” and the September meeting focused on radiation detection. ANS-SR was pleased to have as its speaker Christine Edwards, the DOE Radiological Assistance Program (RAP) Regional Response Coordinator from the Savannah River Site. Christine’s presentation covered the RAP



response to Japan’s Fukushima accident. The session included a full suite of state-of-the-art radiation detection equipment presented by Ms. Edwards and members of the Savannah River Nuclear Solutions RAP Team.



Ms. Edwards received a B.S. in Chemical Engineering from Virginia Tech. She also has a degree in Environmental and Hazardous Materials Management from the University of Maryland and is a Certified Hazardous Material Manager.

OCTOBER TECHNICAL MEETING

BRADLEY LOFTIN – “TRANSPORTATION OF RADIOLOGICAL AND NUCLEAR MATERIALS”

ANS-SR held a technical meeting on October 26, 2011, at the Mi Rancho Restaurant in Augusta, Georgia. ANS-SR welcomed Bradley Loftin from the Savannah River National Laboratory (SRNL) to discuss the transportation of nuclear and radiological materials. Bradley focused on the regulations and requirements that are in place for the safe and secure shipment of radioactive materials. He provided a brief history and description of the regulations, a short introduction to some of the SRNL shipping package designs, and an overview of the testing requirements for certifying a shipping package. The, Bradley also showed several videos of the certification testing that SRNL has performed on shipping packages.



Mr. Loftin is a Senior Engineer at SRNL’s Packaging Technology & Pressurized Systems organization. In this position he designs, analyzes, tests, and certifies radioactive material shipping packages for use in the transportation of radioactive material. He has been at SRNL for over 7 years and conducted engineering activities at other SRS facilities before moving to the laboratory. He has a B.S. in Chemical Engineering from Mississippi State University and is a registered Professional Engineer.

OCTOBER SPECIAL EVENT

ANS-SR'S FIRST EVER "TRIVIA NIGHT"

ANS-SR hosted its first ever Trivia Night on October 13, 2011, at the Aiken Brewing Company in Aiken, South Carolina. The event was considered by all to be a rousing success!

The event was hosted by Outreach Chair Bob Eble, co-hosted by ANS-SR Chair Amanda Bryson, and supported in every way (including development of many of the trivia questions) by Arrangements Chair Brian Lenz.



As reported by Jim Bazley, "It was a very fun night and hopefully one that we'll be able to follow up soon with even a bigger draw from word of mouth." Jim was impressed by the large number of younger generation members that showed up for the event. However, the considerable knowledge of ANS-SR

retiree members was displayed by the winning team led by Paul Dickson, Jay and Judy Bilyeu, and Nicole Drey.

NOVEMBER TECHNICAL MEETING

RODNEY WHITLEY – "THE MOX QUALITY ASSURANCE PERSPECTIVE"

ANS-SR hosted a technical meeting on November 17, 2011, at Bobby's BBQ Barn in Warrenton, South Carolina. The meeting focused on the nuclear quality assurance from the perspective of the Mixed Oxide (MOX) Fuel Fabrication Facility, including the challenges and experiences related to procurement of equipment from NQA-1 suppliers, both domestically and abroad. ANS-SR was pleased to have as the speaker Mr. Rodney Whitley, the MOX Quality Assurance Manager.



DECEMBER SOCIAL MEETING

“A HOLIDAY CELEBRATION OF FOOD AND WINE”

ANS-SR, in partnership with the Health Physics Society–Savannah River Chapter and the Southeast Chapter of the Institute of Nuclear Materials Management, jointly hosted a holiday celebration of food and wine on Monday, December 5, 2011, at the North Augusta Community Center, North Augusta, South Carolina.

The menu consists of five courses of heavy hors d’oeuvres paired with wine, followed by a dessert pairing. Dick and Sally Benjamin of Wine World (in North Augusta) inspired the wine selections and provided wonderful commentary as the dinner proceeded. Terry Wick again served as the executive chef, assisting in the selection of wines and recommending the pairings and progression.



Duck with Peaches, Onion and Celery (*Torrontes/Pinot Grigio 2010, Innovacion, Argentina*)

Biscay Bay Salmon Pouches stuffed with Sliced Onions and Peppers (*Gros Manseng 2009, Haut Marin, France*)

Andes Mountain-inspired Venison Slices in Wine Reduction Sauce with Herbs and Vegetables (*Carmenere 2010 Casa Mateo, Chile*)

San Joaquin City Slow-Smoked Boston Butt with Potatoes, Leeks, Rosemary and Blue Cheese (*Red Blend 2010, Primal Roots, California*)

Hunters Marinated Beef with Parsnips, Onions, Carrots Dusted with Lavender and Basil

Spiced Cake with Plum Ginger Sauce and Whipped Cream (*Pearly Bay "Celebration," Western Cape, South Africa*)



OUTREACH HIGHLIGHTS

ANS-SR continued its highly active and vibrant outreach program during the second half of 2011. Here are some highlights:

South Carolina Virtual Job Shadow Program. In August 2011, Martin Washington and Bob Eble participated in the South Carolina Virtual Job Shadow Program. They prepared a storyboard for a career in nuclear engineering, and Martin participated in a video interview at Aiken Technical College on careers in the nuclear industry. The goal of the Virtual Job Sharing program is to provide middle school and high school students with an understanding of different types of careers, grouped according to national career clusters. The nuclear segment is part of the “Science, Technology, Engineering and Mathematics” cluster. Bob reported that other groups, including local Radiation Technicians, also participated in the program.

CSRA College Night. ANS-SR volunteers again actively supported CSRA College Night. The event was held September 8, 2011, at the James Brown Arena in Augusta, Georgia. Over 300 universities, businesses and associations were represented, and approximately 7,400 high school students and families attended the event. ANS-SR Outreach Chair Bob Eble was joined by Dave Kennedy, Brittany Williamson, and Meagan Richardson during the evening. ANS-SR awarded a \$1,000 scholarship to Cameron Isabel of Greenbrier High School in Evans, Georgia. Bob Eble chatted with Cameron about his future plans and shared information about the needs of the nuclear industry. The ANS-SR volunteers spoke to about 300 students who had a special interest in pursuing a career in the nuclear industry.



Citizens Advisory Board. Bill Wabbersen was requested to speak to the DOE Citizens Advisory Board (CAB) on October 11, 2011, as a joint outreach effort on behalf of ANS-SR and CNTA. His discussion and hands-on sessions covered “Basics of Radiation” and “Risk” and were specifically designed for new members of the CAB. DOE management and staff also participated in the new member sessions.



Aiken High School Career Night. On October 27, 2011, Bob Eble, Martin Washington, Anna Johnson, and Steve Wooten supported this activity and interacted with 30 high school students.

Science Education Enrichment Day (S.E.E.D.) On October 15, 2011, ANS-SR volunteers teamed with volunteers from the Health Physics Society to support the 26th annual S.E.E.D event at the Ruth Patrick Science Education Center (RPSEC) on the University of South Carolina-Aiken campus. Outreach Chair Bob Eble was joined by Amanda Bryson, Martin Washington, Arouna Liloudini, David Henley, Liz Henley, Sid Keener, Tim Willard, Tinh Tran, Richard Herold, and Health Physics Society volunteers Wendy Jordan, Dennis Hadlock, Dave Fauth, Cynthia Lunsford, Stephan Duce, and Elaine Maldonado. Over 2,800 students attended the event, designed to foster student interest in science, technology, engineering, and mathematics (STEM).



MOX Lunch & Learn Series. Before leaving the area, Jim and Conne Bazley continued their series of monthly Lunch & Learn sessions at the Mixed Oxide Fuel Fabrication Facility under construction at SRS. Many of their sessions were filled to capacity and include “standing room only” participants. ANS-SR’s Bill Wabbersen and Bob Eble both taught sessions as part of the 2011 series. ANS Chair Amanda Bryson is continuing the tradition by arranging additional programs following Jim and Conne’s departure.



Richmond Academy Career Week. Bob Eble, Derrick Faunce, Martin Washington, and Fred Willis visited the Richmond Academy Career Week on December 6, 2011. The team provided presentations on nuclear science and engineering as a career and were able to reach four classes of about 40 students per class.

Lakeside Middle School. On December 2, 2011, Bill Wabbersen taught the “Risks and Rewards of Nuclear Science and Technology” to multiple classes at Lakeside Middle School.

American Nuclear Society – Savannah River Section Local Section Five Year Membership Application (2012 – 2016)

Directory Information:

Last Name: ___ First Name: ___ M.I.: ___ Suffix: ___

Mailing Address: ___

City: ___ State: ___ Zip: ___

Email Address: ___ (used only for newsletter distribution, notification of meetings, and requests for local activity support)

Phone: ___

Occupation: ___ Employer: ___

Location: ___

Job Title: ___

Education Completed: Degree Year Graduated Course of Study

- | | | | |
|--------------------------|-----|-----|-----|
| <input type="checkbox"/> | BS | ___ | ___ |
| <input type="checkbox"/> | MS | ___ | ___ |
| <input type="checkbox"/> | PhD | ___ | ___ |
-

Section Information:

Are you a National ANS Member? Yes No

If Yes: To what do you belong?

- | | | |
|--|--|---|
| <input type="checkbox"/> Accelerator Applications | <input type="checkbox"/> Biology & Medicine | <input type="checkbox"/> DD&R |
| <input type="checkbox"/> Education & Training | <input type="checkbox"/> Environmental Sciences | <input type="checkbox"/> Fuel Cycle & Waste Mgmt |
| <input type="checkbox"/> Fusion Energy | <input type="checkbox"/> Human Factors | <input type="checkbox"/> Isotopes & Radiation |
| <input type="checkbox"/> Material Science & Tech | <input type="checkbox"/> Mathematics & Computation | <input type="checkbox"/> Criticality Safety |
| <input type="checkbox"/> Nuclear Installation Safety | <input type="checkbox"/> Operations & Power | <input type="checkbox"/> Radiation Prot & Shielding |
| <input type="checkbox"/> Reactor Physics | <input type="checkbox"/> Robotics & Remote Systems | <input type="checkbox"/> Thermal Hydraulics |
| <input type="checkbox"/> Aerospace | <input type="checkbox"/> Young Members | <input type="checkbox"/> Comp Medical Physics |
| <input type="checkbox"/> Nuclear H2 Production | <input type="checkbox"/> Nuclear Nonproliferation | |

Are you a National Committee Member? Yes No

Are you interested in working on a local committee? Yes No

(e.g.: Executive Committee, Membership Committee, Scholarship Committee, Topical Committee, Outreach Committee...)

Interests: ___

Comments: ___

Membership is free, and you do not have to be an ANS National member
Please forward completed application to ans.savannahriver@gmail.com
