2025 Year-End Neutrino

American Nuclear Society
Savannah River Section

February to July 2025 Edition

Web address: https://savannahriver.ans.org/

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Vice Chair: Carl Benhardt

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Winner of ANS 2024 Meritorious Section Awards for Best Public Information and Best Membership

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Chair and Vice Chair Messages

Chair

Dear Community of ANS-SR Section Members and Friends,

As we closeout the 2024-2025 year of the American Nuclear Society - Savannah River Section, I look proudly at our achievements in promoting and celebrating the benefits of the nuclear culture we embrace. I recap these achievements and extend a thank you, on behalf of our Executive Committee, those who worked at forefront, behind the scenes, and especially those that just "showed up" to participate in our events.

Our year in Public Information & Education was filled with highlights. We rocked College Night at the Augusta Convention Center in September, showing the excitement with a nuclear vocation "that could be yours too" to over 2800 young eager minds who visited our booth. And we demonstrated radiation detection and fission through our hands-on displays at the Science Education Enrichment Day in Aiken with had an encore at the Fall Fission Festival in October at the Savannah River Site Museum. Our frivolity had an education aspect at our successful Nuclear Trivia Night in November. Our final outreach event to cultivate the next generation advocates of nuclear was our participation in the Technical Society and Resource Fair in March at the Savannah River National Laboratory - we talked up the benefits of joining our SR Section!

We had great dinner meetings this past year. At the July 2024 dinner meeting, Dr. Valerie Nwadeyi presented an overview of non-destructive assay nuclear measurements at the Savannah River National Laboratory. In September we had Dr. George Wicks show us the cutting-edge applications for his invention of hollow glass wall microspheres - from on-demand storge of gaseous radionuclides to targeted delivery of therapeutic medicines in the human body. In January we had Susan Hoxie-Key give us the status of worldwide supply of uranium. In February, ANS President Lisa Marshall spoke on nuclear workforce pipelines at our education institutions. Mike McCracken of Southern Company did his annual thing for our section by hosting a Plant Vogtle Tour in March. Plant Vogtle is prominent in our backyard! For Fusion Week, we had Robbie Allgood, the program manager at SRNL speak on the design/build status of the Tokamak Exhaust Processing components for the International Thermonuclear Experimental Reactor at the Cadarache facility in France. We can literally see the plasma light of fusion power at the end of the tunnel! Our year of dinner program meetings completed in June with Glynn Dyer speaking on special Electrolytic Dissolution processing at the Savannah River Site H Canyon to dispose of Fast Critical Assembly fuel from Japan.

Our focused fun and celebrations are the annual baseball games at the Atlanta Brave Class A affiliate Augusta GreenJackets. We demonstrate that we party hardy; and our holiday party shows we toast whatever needs to be toasted. We truly have a "fun bunch" in this section.

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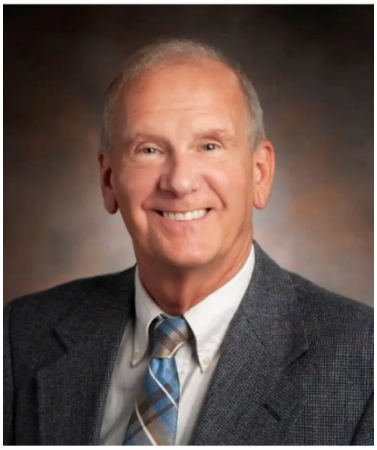
Chair and Vice Chair Messages (contd)

Now, although our 2025 package to ANS national is not yet submitted, our laurels are that our section was recognized as the best in two of five total award categories by ANS National in the 2024 Local Section Meritorious Award competition. We were selected as the “Best Public Information and Education” and the “Best Membership.” We hope to reap more national recognition in 2025.



In closing, on behalf of the Executive Committee, thanks y’all!

All the Best,

Bob Sindelar

slr072@aol.com

2024-25 Chair

3 Winner of ANS 2024 Meritorious Section Awards for Best Public Information and Best Membership

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Chair and Vice Chair Messages(contd)

Vice Chair

Dear ANS-SR Section Members,

The local section has had a great year. Excellent informative speakers, a great tour of Plant Vogtle, and many other activities aimed at helping members get to know each other and form lasting networks. Bob has been a very energizing chairman and I want to thank him for his leadership. As I take the Chairmanship in the coming year, I will be looking to Bob for advice to continue making the section successful.

A special thanks goes to Kevin O'Kula who has undertaken the roll of Program chairman for several years and has indicated he will continue in that position. He arranges Section speakers and meeting locations and coordinates many of the Section's other activities. Kevin has been an ANS National member for nearly 50 years and has been able to secure speakers from our area as well as those available elsewhere in Southeast and throughout the U.S.

During the 2025-26 section meeting year we are looking forward to greater involvement of the younger engineers and scientists at Plant Vogtle, SRS, and other nuclear related industries in our Section area. We hope to expand involvement of academic institutions that have nuclear programs in the section area and beyond in the coming year. I am looking forward to another great Section year.

Thank you,

Carl Benhardt

2024-25 Vice Chair

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Technical Meetings

February

On February 19, Lisa Marshall, the 70th President of ANS, spoke to the Savannah River Section at the Electric Eats restaurant in Aiken, SC (formerly the Aiken Brewing Company). Ms. Marshall discussed "Building Human Capacity in the Nuclear Industry". The attendance was approximately 45 members and guests.

She began her talk by speaking about her work at NC State University beginning in 2001 as well as taking on greater responsibilities with ANS and international bodies including the Nuclear Energy Agency and the International Atomic Energy Agency (Fig. 1). Her guiding questions throughout have been, "What is needed for students to thrive?" and "How do we attract & retain talent for the nuclear enterprise?" President Marshall then covered the global and nuclear energy landscapes in the current era of energy transition and included STEM/nuclear workforce component needs, both current and in the future. She described STEM challenges and opportunities for different educational ages, i.e., approaches for a comprehensive "ecosystem to engage, recruit and retain". A section of the presentation covered ANS STEM programs (Fig. 2). Marshall summarized ANS's ongoing outreach efforts including those relaunched and those emerging over the next few years (Fig. 3). President Marshall closed by directing her audience to the ANS website at https://www.ans.org/nuclear/ for those seeking more information. An energetic Q&A session closed out the evening.

Fig. 1 ANS President Lisa Marshall

Ms. Marshall is the 70th President of the American Nuclear Society and has been an active ANS member with leadership roles since 2005. Lisa is the inaugural Director of Outreach, Retention and Engagement (since 2001), and the inaugural Assistant Extension Professor (beginning in 2023) at the North Carolina State University Department of Nuclear Engineering. She last spoke to the Savannah River Section in October 2014.

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Technical Meetings (contd)

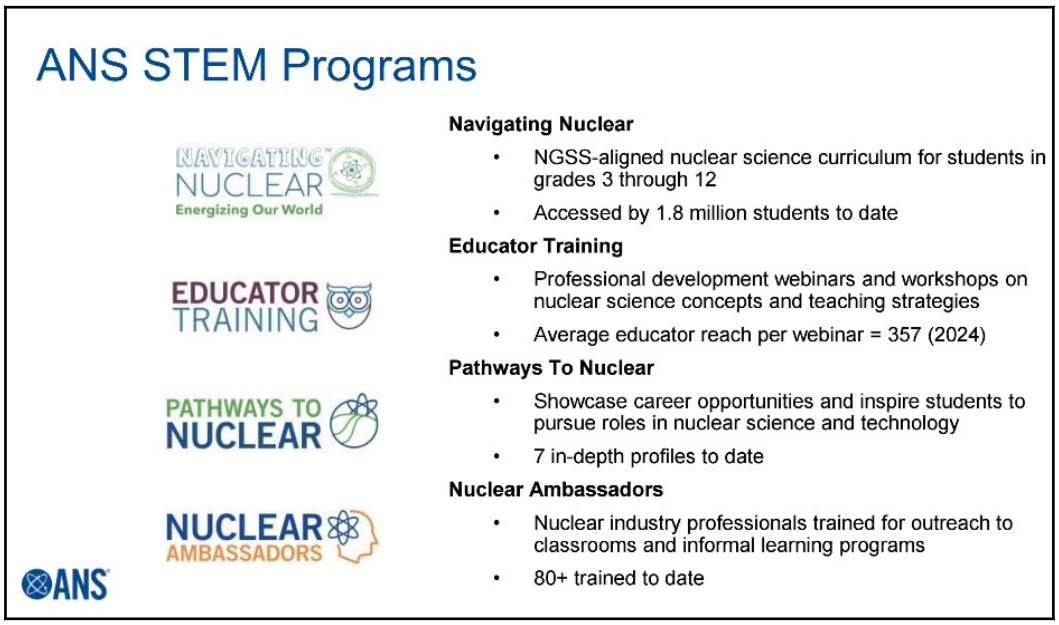

Figure 2. Four key ANS STEM Programs

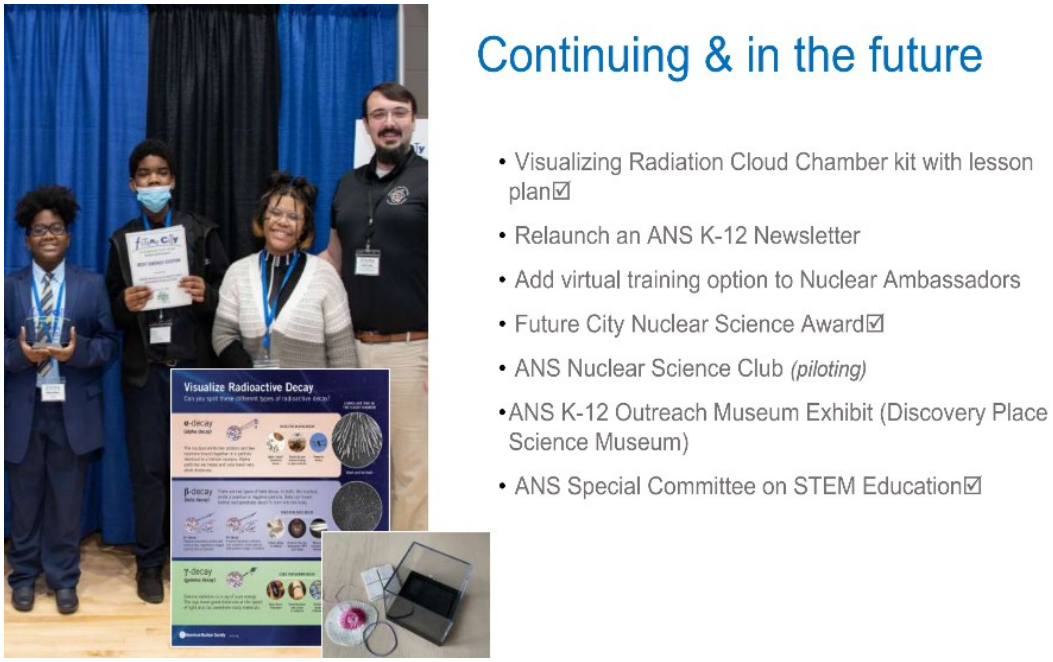

Figure 3. Major Initiatives in ANS STEM-Student Award Winners and Outreach Chair Graham Jones (shown at right)

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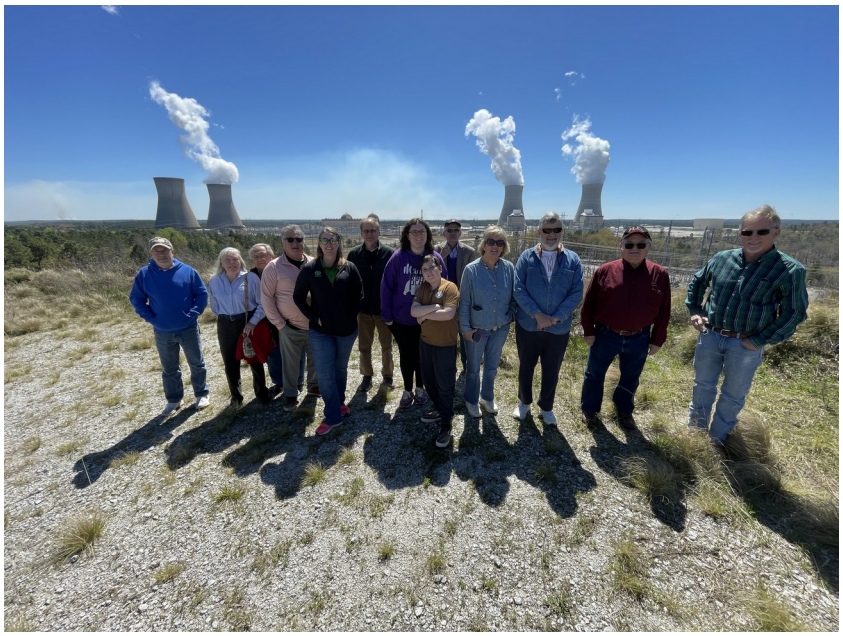
Technical Meetings (contd)

March

On March 21, fourteen section members and guests toured Plant Vogtle in Waynesboro, GA. At the time of the tour Units 1, 3 and 4 were in power operations. Unit 2 was in a scheduled refueling outage. Mike McCracken, an ANS member and the Southern Nuclear Communications Coordinator, made a presentation of the history and current status of Plant Vogtle.

The four units are Westinghouse Pressurized Water Reactors. Units 3 and 4 are the newer AP1000 design and the last two completed in the US. The site is now the largest nuclear-based electrical generator in the United States. Unit 1 became commercial in March 1987 and Unit 4 recently became commercial in July 2024. Each unit produces about 1,200 MWe. When all units are operating, enough electricity is generated to supply about 2 million homes and businesses.

The meeting ended with a driving tour around the site, stopping at the cooling towers and on “Mount Vogtle” (where the construction fill was piled up) to see a panoramic view of the whole site.



Plant Vogtle ANS SRS tour group with Units 1 through 4 in the background

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Technical Meetings (contd)

May

On May 1, Robert Allgood spoke to the section on “ITER Fusion Fuel Cycle Exhaust Development Process”. Robert is the Manager of US ITER's Tokamak Exhaust Processing System at the Savannah River National Laboratory (SRNL). The meeting was held at Savannah River Site Community Reuse Organization, in North Augusta, SC.

ITER is one of the most ambitious research projects in the world today. ITER is an international collaboration of seven partners aiming to demonstrate a self-sustaining fusion power source or “burning plasma.” A magnetic fusion device (Tokamak), ITER is integrating industrial-scale fusion technology, including a deuterium-tritium fuel cycle. The US ITER Project is responsible for 12 systems in support of the ITER facility. One of those systems, the Tokamak Exhaust Process (TEP), is being developed by the SRNL. This presentation focused on the TEP development effort at SRNL as final design nears completion and preparation for fabrication and delivery to the ITER site approaches.

Robert Allgood outlined the D-T fuel cycle during his talk.

Allgood is responsible for technical direction as well as programmatic oversight for the TEP system. In this role he oversees project activities and staff at the SRNL, which serves as the steward of the nation’s tritium processing technologies. He was responsible for several successful tritium projects within the Savannah River Site Tritium Facility and SRNL. His positions have included systems engineer, shift technical engineer, shift operations manager, and tritium process/shift engineering manager. Prior to joining US ITER, Robert was the manager of the Hydrogen Processing Group at SRNL from 2016 to 2020, followed by a one-year assignment as the design authority manager for the SRNL Tritium Finishing Facility.

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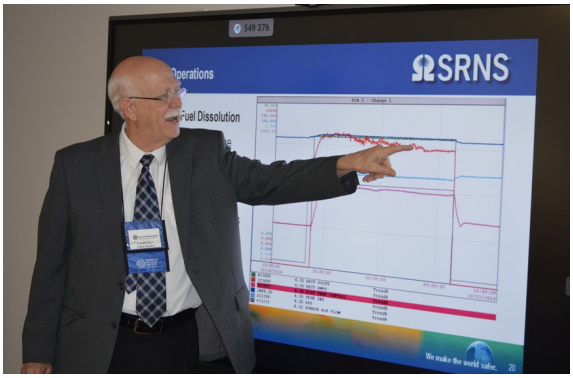
Technical Meetings (contd)

June

On June 12, Glynn Dyer addressed the section at the North Augusta Community Center, North Augusta, SC. During the 1970s, the Savannah River Site (SRS) H-Canyon operated an electrolytic dissolver to dissolve stainless steel and zirconium research reactor fuel. In 2016, SRS received stainless steel clad Fast Critical Assembly (FCA) plutonium fuel from Japan. Feasibility Studies were initiated to evaluate the best means to process the fuel. He discussed the history of electrolytic dissolution in H-Canyon, the choice made for processing the FCA fuel in the electrolytic dissolver, the project to restore the electrolytic dissolver, the Cold Runs performed to demonstrate operation of the dissolver, and the processing of the first batches of FCA fuel. Finally, a look into the future beyond the FCA mission was discussed.

Glynn Dyer is a Fellow Technical Advisor with more than 40 years' experience at the Savannah River Site supporting nuclear fuel processing in F and H Canyons. Glenn is a recognized Subject Matter Expert for hydrogen generation and radiolysis in process solutions, accident analysis support to Documented Safety Analyses, and technical support to H Canyon operations. Glynn has been identified as a Technology Guardian for mixer-settler modeling and operation. In support of electrolytic dissolution in H-Canyon, he led the H-Canyon input on the Feasibility Study teams that recommended electrolytic dissolution for processing the FCA fuel.

Zachary Gardiner from the USC, ANS Students Section discussed the opportunity for future collaboration with the Savannah River Section.



Glynn Dyer

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Other Events

ANS President Visits Plant Vogtle and SRS

Plant Vogtle

On February 19th, Lisa M. Marshall, ANS President, visited Plant Vogtle in Waynesboro, GA. While there, Southern Nuclear Mike McCracken (an ANS member and the Southern Nuclear Communications Coordinator) hosted Lisa where she first spent time in the Vogtle Energy Education Center (VEEC) viewing the exhibits, several of them recently updated from ANS. Then she toured inside portions of Vogtle Unit 3 and was given a driving tour around the perimeter of the site, including a visit atop "Mount Vogtle" where she had a birds-eye view of both Vogtle and the Savannah River Site.

Mike McCraken and Lisa Marshall with Vogtle Units 1 through 4

Savannah River Site

On February 20, Lisa Marshall ANS President visited the Savannah River National Laboratory. During her packed visit to our section and the local community, Lisa Marshall visited the Savannah River National Laboratory. Ms. Marshall was hosted by Deputy Associate Laboratory Director Bill Bates and our chair Bob Sindelar as she toured the Savannah River Site on a driving tour. Lisa saw the Savannah River Pit Production Facility under construction; the H-area tank farm, canyon, and tritium facilities; and the L-area reactor building with its spent fuel receipt and storage mission in L Basin. Lisa met in round-table format with several SRNL "next-gen" staff to discuss "next-gen" nuclear fuel cycle topics. All around, this was a great visit.

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Other Events(contd)

PicNuke 2025

On May 3, the local section held the 5th annual PicNuke in North Augusta, SC. This year's event was at Riverview Park, a new location for the event. Twenty-five people including children enjoyed conversation and picnic food fare.

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Other Events(contd)

Augusta GreenJackets Baseball Game

On June 20, the section attended the Augusta GreenJackets baseball game at SRP Park, LawnAce Lounge. Twenty-five section members and guests were present along with extended family (three-year old and one-year old) fans.

The group enjoyed the game as well as the ballpark buffet provided by the GreenJackets hosts. Disappointingly, the GreenJackets fell to their opponent, the Lynchburg Hillcats by a score of 3-1.

While several young fans and family enjoyed the center field playground area, the remainder of our group posed during the 7th inning stretch.

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Upcoming Programs in 2025-2026

Plant Hatch Visit

The Southern Nuclear Plant Hatch, outside of Baxley, Georgia.

Planning is in the beginning stages to make an ANS membership presentation to the employees of Plant Hatch. Hatch is a two-unit, BWR power plant located near Baxley, GA, about a three-hour drive from Augusta and is operated and maintained by Southern Nuclear. Unit 1 commenced commercial operation in December 1975 and Unit 2 followed in September 1979.

A delegation Savannah River Section members will travel to Hatch to present ANS and section membership information. Plant Hatch is in the Savannah River Section's membership area. A tour of the plant will be conducted at the conclusion of the meeting. Details to follow via ANS SRS website and distribution.

Advanced Manufacturing Collaborative Lab

The AMC Facility is tentatively planned to open this fall.

The Advanced Manufacturing Collaborative (AMC) Lab Facility is a state-of-the-art building sponsored by the U.S. Department of Energy (DOE) that will support collaboration between the SRNL, University of South Carolina Aiken, Private Industry Partners, Academia, and Government Agencies at the Local, State and Federal Level. This facility, on the University of South Carolina Aiken campus, will promote an exchange of knowledge and innovation to further the goal of future research and development in support of the DOE mission. An ANS SRS event is planned for the fall of 2025.

Status of Summer Units 2 and 3: Santee Cooper Update

ANS SRS is in the process of reaching out to the Santee Cooper utility on giving a status report in-person or virtually on its efforts to find firms to finish the construction of Units 2 and 3 and eventually bring online. Initial solicitations in early 2025 were promising. This program will be announced once the speaker and venue are finalized.

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Benjamin Scholarship

2025 ANS Savannah River Scholarships Awarded

The ANS Savannah River Section awarded five Benjamin Memorial Awards to Central Savannah River Area students for their first year of their college study in a science, technology, engineering and mathematics (STEM) course of study. The Benjamin Scholarship students for this year are Coralyn Cairns of Lakeside High School, Gary Dean “Trey” Johnson of Edmund Burke Academy, Priyanshi Kachroo of Evans High School, Carrie Lim of Grovetown High School and Ava Martino of Westminster Schools of Augusta. The five students were recognized in a Zoom recognition ceremony on Thursday evening, June 26, 2025.

The Benjamin Scholarships are given to help defray first-year college costs for the 2025-2026 academic year of study and are provided in the memory of its long-time member, Dr. Richard (Dick) Benjamin (1925-2013). The award is now in its twelfth year and is for students expressing academic and career interests in a science, technology, engineering, and mathematics (STEM) field, and particularly those wishing to major in a field associated with nuclear science and technology.

The near-term plans of the Benjamin Award winners are in keeping with the STEM core areas intended for support. Coralyn Cairns (Lakeside High School) plans to pursue Biology as a major at Davidson College and is interested in forensic pathology. Trey Johnson (Edmund Burke Academy) plans to major in Computer Engineering at Georgia Tech leading to computer component design as a career. Priyanshi Kachroo (Evans High School) is planning to attend Augusta University and major in Biology with a business minor and eventually becoming a women’s healthcare physician. Carrie Lim (Grovetown High School) is planning to attend Georgia Tech and major in Chemical Engineering, contributing to the development of technologies that solve environmental and energy-related issues. Ava Martino (Westminster Schools of Augusta) is also Georgia Tech bound and plans to pursue a degree in Radiological and Nuclear Engineering with an interest in becoming a radiologist professional.

Awards to the students were based on evaluator ranking of applications. Ms. Cairns, Ms. Kachroo, and Ms. Lim were awarded $2,000 each. Awards for Mr. Johnson and Ms. Martino were for $1,000. This year’s Scholarship judges were Carl Benhardt, Maeley Brown, Michelle Johnson, Kevin O’Kula, Tracy Stover, and Madeleine Waller. The Scholarship Committee is chaired by Mukesh Gupta.

The presentation slides given during the virtual event can be accessed below.

Presentation Slides

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Benjamin Scholarship (contd)

Benjamin Award ceremony student participants with Kevin O'Kula (moderator) and Carl Benhardt (vice-chair). Not shown here, Christian Sifuentes.

About the ANS Savannah River Dr. Richard Benjamin Scholarships

The ANS Savannah River Scholarship Awards are given in honor of Dr. Richard Benjamin's contributions to nuclear science and technology, and the American Nuclear Society. The Benjamin Scholarships help defray first-year college costs for an academic year of study and are provided in the memory of its long-time member, Dr. Richard (Dick) Benjamin (1925-2013). The award is now in its twelfth year and is for students with academic and career interests in a STEM field, and particularly those wishing to major in a field associated with nuclear science and technology.

Dr. Benjamin was a mentor to many nuclear science and technology professionals in the Aiken-Augusta area for over four decades. He received his BA in Engineering from Lamar University, MS in Nuclear Engineering from Southern Methodist University, and earned his PhD in Nuclear Physics from the University of Texas in 1965. After a three-year post-doctoral study at the Swiss Federal Institute of Technology, Dr. Benjamin came to the Aiken-Augusta area in 1968 with the acceptance of employment at the Savannah River Laboratory (now Savannah River National Laboratory). He worked in many technical areas during his Savannah River Site career, most notably the Reactor Physics, Atmospheric Technologies, and Advanced Planning Groups, followed by the Accelerator Production of Tritium Project.

Benjamin Scholarship (contd)

During his long and illustrious ANS career, he was active with two of its divisions, the Fuel Cycle and Waste Management and Environmental Sciences Divisions, and served as a chair for each one at different times. In June 1992, Dr. Benjamin had the honor of representing ANS at the first United Nations Framework Convention on Climate Change held in Rio de Janeiro, Brazil. He served in many ways and held key offices with the Savannah River Section of ANS. Dr. Benjamin was co-director of the local Tasters Guild, a wine and food appreciation society, and was an avid supporter of the Augusta Opera and the Augusta Choral Society. He also enjoyed outdoor activities such as hunting and skiing, and helped found the Aiken Dove Club. He was a co-founder and proprietor of Wine World in North Augusta, where many ANS Savannah River Section Executive Committee meetings were held until its closing in 2019.

Dr. Richard (Dick) Benjamin and his wife, Sally, circa early 2000s.

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A Second Life for the Interactive Nucleus Display

The oldest hands-on teaching tool in the Savannah River Section nuclear science and technology arsenal is the Interactive Nucleus Display (IND). June 2025 marked IND's 15th birthday as a hands-on display but it took the talents of a local computer repair expert and the determination of IND's chief designer and builder, Bill Wabbersen, to reach this birthday as a working device.

Interactive Nucleus Display rollout June 2010 at Fort Discovery (Augusta, Georgia). A student has just "made" He-3.

IND was created by ANS SRS with financial assistance from CNTA and the Southeast Association of Physicists in Medicine, and the CNTA. It is an instrumented table system with 43 holes and colored balls representing protons and neutrons. The balls are to be placed in the table's holes in different combinations such that when the student pushes a button they are told what isotope has been made (see figure to the right). IND has been in action at the University of South Carolina Aiken Ruth Patrick Science Education Center (RPSEC) since January 2011,

When Hurricane Helene hit the CSRA in September 2024, USC Aiken lost power. Upon unplugging the display, the power connection was inadvertently damaged to the desktop computer housed within the display. Bill learned of this situation only earlier this year and researched local computer repair specialists finding Jim (JD) Davis of Computer Services in Aiken. After a long search, a new, "old" Optiplex 760 computer was located on eBay and installed by Mr. Davis. IND is now fully operational once again incorporating a new "action" button, designed and 3D printed by Bill (see figure to the left) and its new computer.

Thanks to JD's and Bill's efforts, the IND is ready for many more generations of nuclear scientists and isotope builders. ANS SRS members and friends are invited to try their hand in making an isotope with the IND at the RPSEC (hours: 8:00 AM – 5:00 PM, Monday – Thursday and 8:00 AM – 12:30 PM, Friday). https://www.usca.edu/rpsec/

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American Nuclear Society (ANS)

ANS is a professional and technical society of approximately 10,000 engineers, scientists, education professionals and students worldwide that work to promote the awareness and understanding of applications of nuclear science and technology for the benefit of humankind. The ANS Savannah River Section is a 501(c) 3 organization under IRS guidelines. Donations to ANS are tax deductible as allowed by law.

Donations can be sent to the following address and checks can be made out to ANS Savannah River Section or use this QR code or PayPal link below.

ANS Savannah River Section
PO Box 7001
Aiken, SC 29804

https://www.paypal.com/donate/?hosted_button_id=5VYRNAZ35ELN4

Corporate Charitable Support

ANS SR's Educational and Outreach efforts have been successful over the last few years based on charitable contributions from its members and friends and corporate nuclear organizations in the CSRA. The section would like to especially thank Southern Nuclear and the Battelle Savannah River Alliance for their support of our endeavors at the Platinum corporate charitable gift level (≥ $5,000).

BSRA
Battelle Savannah River Alliance, LLC

Southern Nuclear

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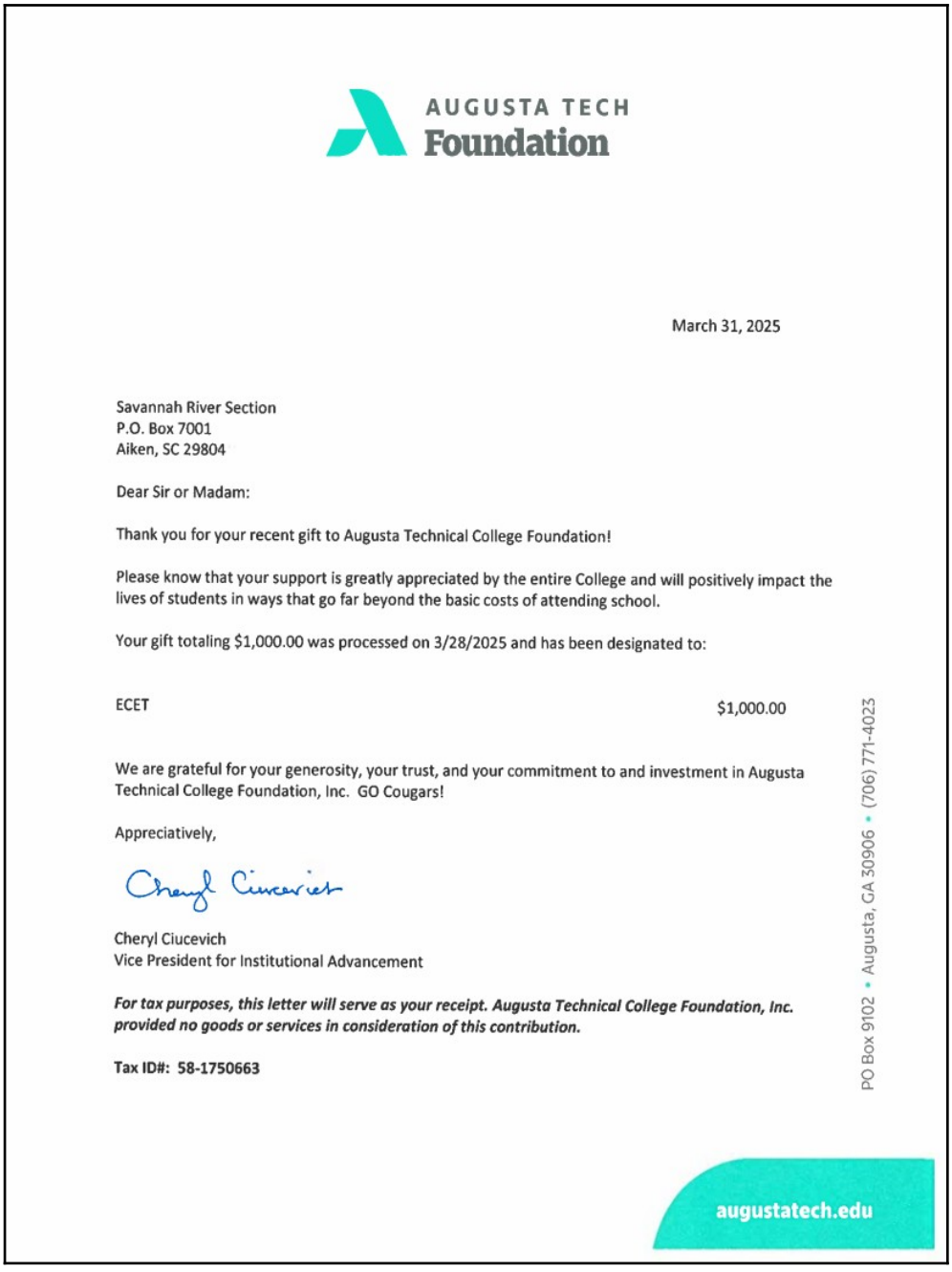
Donations

ANS SRS made a $1,000 contribution this spring to the Augusta Technical College Foundation. The support is earmarked to support the Electrical and Computer Engineering Technology Program at Augusta Tech.



AUGUSTA TECH Foundation

March 31, 2025

Savannah River Section
P.O. Box 7001
Aiken, SC 29804

Dear Sir or Madam:

Thank you for your recent gift to Augusta Technical College Foundation!

Please know that your support is greatly appreciated by the entire College and will positively impact the lives of students in ways that go far beyond the basic costs of attending school.

Your gift totaling $1,000.00 was processed on 3/28/2025 and has been designated to:

ECET $1,000.00

We are grateful for your generosity, your trust, and your commitment to and investment in Augusta Technical College Foundation, Inc. GO Cougars!

Appreciatively,

Cheryl Ciucevich
Vice President for Institutional Advancement

For tax purposes, this letter will serve as your receipt. Augusta Technical College Foundation, Inc. provided no goods or services in consideration of this contribution.

Tax ID#: 58-1750663

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Outreach

DOE Savannah River Regional Science Bowl

The 35th annual DOE Savannah River Regional Science Bowl competition was held on February 22, 2025. Fourteen teams of four to five students representing nine regional high schools competed this year. Teams competed in three rounds of round robin, and six rounds of double-elimination, with a seventh reserved if the team from the winning bracket was defeated in the final round. SRS employees including local ANS Section member Graham Jones supported the event in the various roles needed to put on a Jeopardy-style head-to-head quiz with questions taken from all aspects of the STEM field.

In this year's event, Lakeside High School Team 1 and Team 2 took first and second place, respectively, with the Davidson Fine Arts Magnet School team taking third. The winning Lakeside High School Team 1 secured a spot in the National Science Bowl that took place April 25-29 of this year in Washington, DC. In the national competition, the Lakeside team finished an amazing fourth place overall.

Science Bowl Judge Graham Jones (far right) is shown here quizzing local science students at this year's competition.

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Outreach (contd)

SRNL Technical Society and Resource Fair

On Tuesday, March 25, the Savannah River National Laboratory's (SRNL) Innovation and University Engagement organization hosted a Technical Society and Resource Fair. This event spotlighted technical societies and other resources that are beneficial to the SRNL community. This is a prime opportunity for SRNL employees to network with the diverse, talented professionals who make up our workplace population. ANS SR members Rebecca Rice and Michelle Johnson coordinated our display and table information to showcase the section and encourage SRNL employees to consider becoming members of the ANS local section.

Section members Michelle Johnson and Rebecca Rice at the ANS SRS table provided information to SRNL professionals on the activities and benefits of membership.

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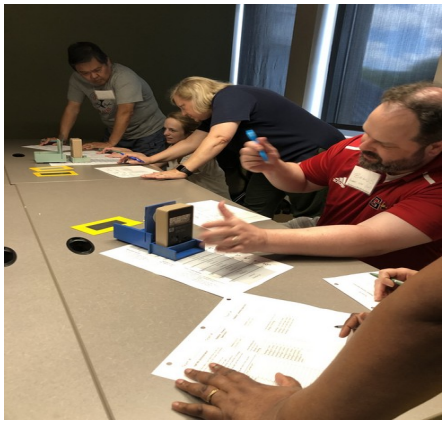
Outreach (contd)

Furman University Bridges to a Brighter Future Program

On June 23 and 24, Bill Wabbersen conducted two days of high school student workshops for the Furman University Bridges to a Brighter Future program for future first generation college students. Bill conducted the Journey to the Center of the Atom presentation and also gave the Basics of Radiation presentation. The students were very engaged over both days. This series of workshops also was the initial roll out of new Nuclear Science Discovery Kits. There are four kits in the set and the presentations involved two of the four kits.

South Carolina Teachers Workshop

On July 16, 2025, Bill Wabbersen and Jon Guy conducted a nuclear science teachers workshop for South Carolina high school science teachers at Furman University. Bill and Jon have been invited to conduct the workshop at Furman for several years. Teachers learned about isotopes, radiation and its interaction with matter, half-life, fission, nuclear power, spent fuel management, and radiation management. The workshop participants use unique hands-on activities to reinforce each lesson. This year Bill introduced the new Nuclear Science Discovery Kits and will be partnering with the high school teachers to distribute them for free across South Carolina.



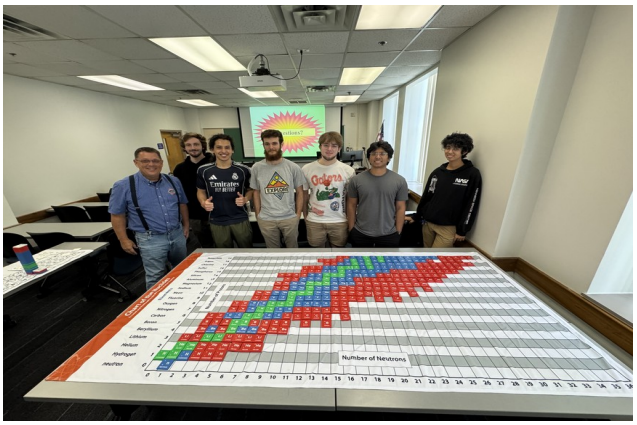
Here are some photos of the ALARA activities session. Teachers use GM detectors and Thorium-232 sources to understand Distance and Shielding.

2025 Year-End Neutrino

Outreach (contd)

University of Florida Workshops

From July 23rd to 25th, Bill Wabbersen conducted three days of nuclear science educational workshops for University of Florida (UF) students, faculty, and local North Florida high school teachers. Over three days these workshops were conducted as part of an Introduction to Nuclear Engineering class, an extended session as an introduction to the new set of Nuclear Science Discovery Kits that Bill has recently developed, and a session during a Societal Aspects of Nuclear Engineering course. Bill was invited to speak at UF after meeting with the faculty at the CONTE conference in February. Bill also toured the UF Training Reactor where he worked in the mid-1980s. Bill donated one of his Nuclear Science Discovery Kits called Atoms, Isotopes, & Radiation to the UF nuclear engineering program. UF faculty plan on developing teacher workshops for high schools in the North Florida region using the kit.



Bill Wabbersen and UF Students
using a Nuclear Science Discovery Kit

Future Outreach Activities

Aiken Center for Lifelong Learning - Fall at USCA.

During last fall's semester of the Center for Lifelong Learning at USC Aiken, Bill Wabbersen conducted a six session course called “Nuclear Science Fundamentals for Everyone”. The course covered topics such as isotopes, radiation, decay chains, half-life, electrical power fundamentals, reactor basics, risk management, fission, and a broad view of nuclear technology uses. Most of the adult students had no prior experience in chemistry, physics, or nuclear science. They stayed engaged throughout the six-week course, and gave very positive reviews. The course will be offered again for the 2025 fall semester. The upcoming 2025 fall semester will also include a special presentation on nuclear medicine from Amy Yarshen, Associate Professor at Augusta University and Program Director of the Nuclear Medicine Technology Program.

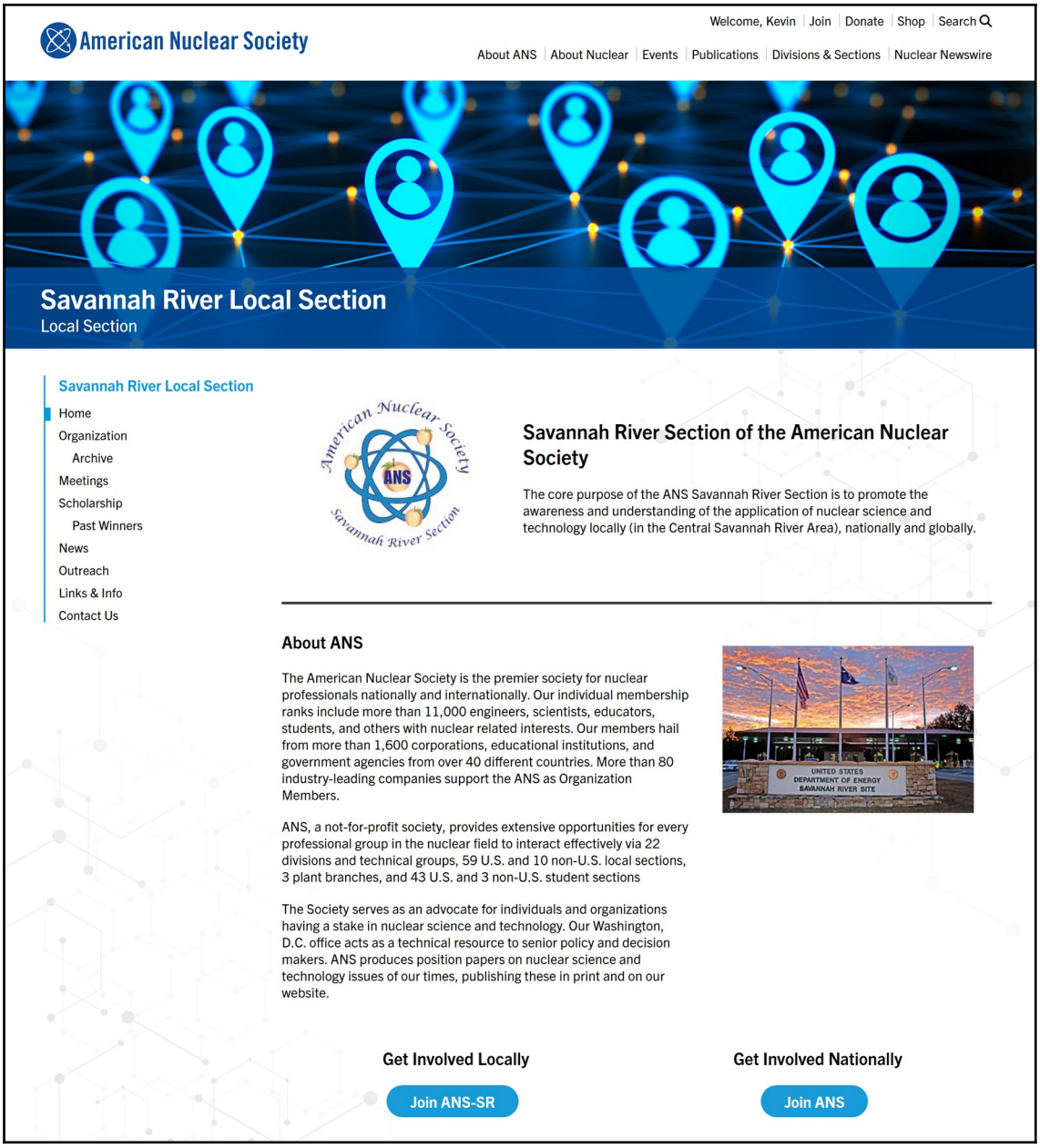
CSRA College Night

College Night will be September 11, 2025. The event will be held at the Augusta Convention Center, Augusta, GA. The contact for this is Cindy Hewitt (cynthia.hewitt@srs.gov).

2025 Year-End Neutrino

Change to ANS SRS Webpage

Thanks to our webmaster James Deaton, the ANS Savannah River webpage now has migrated to the ANS National's standardized style and format. Access ANS SR at https://savannahriver.ans.org/ to stay up to date on past events and future activities.



2025 Year-End Neutrino

ANS Savannah River Section Executive Administrator Wanted

The ANS Savannah River Section is seeking qualified individuals to fill the position of Executive Administrator for the Section. Qualifications for this position are as follows:

- One to two years of administrative experience strongly preferred, preferably in development or at a nonprofit organization
- Proficiency in Microsoft Office required
- Detail-oriented, strong sensitivity to deadlines, multitasking ability, strong organizational and problem-solving skills a must
- Ability to work collaboratively with a team

Duties and Responsibilities:

- Prepare notices for distribution regarding monthly technical meeting and section information
- Draft notice(s) are sent to specific chair for review before distribution
- Database management (e.g. updating new contact information)
- Preparing, transmitting, registration surveys (surveymonkey.com)
- Collecting surveys and sending reservation confirmations
- Resolving questions/problems with reservations
- Provides as-needed assistance with various events and meetings throughout the year including monthly technical dinners
- Prepare roster with specific information for each meeting
- Prepare name badges
- Work with the Treasurer and Chair as needed
- Assist other Section Program Chairs on an as-needed basis
- Perform other administrative, general clerical tasks, and project duties as needed

The ANS-SRS Executive Administrator is a paid volunteer position. Hourly salary will be negotiated. Level of effort on a monthly basis averages 8 to 10 hours, but occasionally higher. Interested applicants are invited to email their resume and a cover letter (with the name and contact information of at least one reference) to:

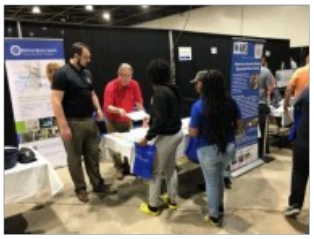
ans.savannahriver@gmail.com

or by U.S. Mail to:

ANS Savannah River – Administrator Assistant Interest
P.O. Box 7001
Aiken, SC 29804

Come Join the Savannah River Section!

Who we are: The ANS Savannah River Section is the face of ANS in the local community and is made up of Savannah River Site, Plant Vogtle, engineering organizations, educational and medical institution professionals, students, educators, retirees and other supporting individuals that live and work in the Central Savannah River Area (CSRA) that includes portions of western South Carolina and eastern Georgia.



Outreach to future nuclear professionals

What we do: The core purpose of the ANS Savannah River Section is to promote awareness and understanding of the peaceful application of nuclear science and technology locally, nationally and globally.

ANS-SR Technical Dinners – Hot topics and hot fare!

Joining or changing your information: Email your name, email* and phone number to ans.savannahriver@gmail.com. Let us know your interest in joining an ANS SR Committee. Openings include Program, Outreach & Public Information, Publications, Scholarship, Membership and Young Professionals.

*** Note that Federal or organization firewall may prevent email to your work. Personal email preferred**.