

# CNTAware

## IT'S ALMOST TIME FOR THE TELLER!! - CLYBURN TO DELIVER 18TH ANNUAL LECTURE



Citizens for Nuclear Technology Awareness (CNTA) announced that Congressman James E. Clyburn of South Carolina's 6th district and the current House Majority Whip will be the organization's 18<sup>th</sup> annual Teller Lecturer. CNTA is the largest grass roots nuclear advocacy organization in the world, headquartered in Aiken, South Carolina. We are a charitable organization dedicated to providing factual information about things nuclear. The annual banquet and lecture is named for Dr. Edward Teller.

CNTA is proud to add Congressman Clyburn to this distinguished list of public figures who have delivered the Teller Lecture. He is the only South Carolinian ever to serve as Majority Whip, the third highest ranking position in the U.S. House of Representatives, and only the second African American to ascend to that role. He has joined his colleagues from South Carolina on both sides of the political aisle to help make South Carolina a nuclear friendly state and the likely hub of the nuclear renaissance.

"I am pleased to be recognized for my strong support of nuclear energy. I have long advocated that nuclear must be included in Congressional efforts to develop new energy policies that protect our environment," Congressman Clyburn said. "I look forward to being with CNTA in November to further explore Congressional action to curb climate change and invest in more effective energy sources such as nuclear."

There are several nuclear projects in the region including Plant Vogtle (Georgia Power), V.C Summer (SCE&G), the William States Lee (Duke power) site in Gaffney, SC, and the multibillion dollar MOX plant (Shaw AREVA MOX Services, LLC) currently under construction in Aiken at the Savannah River Site (SRS).

Policy decisions made in Washington, D.C. will in large measure dictate the pace of the nuclear resurgence in the U.S. so Congressman Clyburn's appearance in this forum is particularly timely.

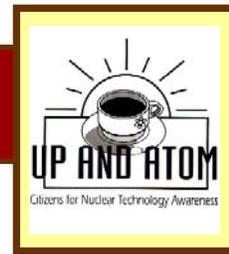
Please show your support of nuclear energy by attending and shoring your opinions with someone who can help shape our nation's energy policy.

The event is scheduled for November 12, 2009 in Augusta, GA. Call the CNTA office at 803-649-3456 to reserve your ticket.

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# Up and Atom Breakfasts



Mr. Jack Tuohy, current Executive Director of the American Nuclear Society spoke on May 28th at Newberry Hall. The title of his talk was "Our Unique Mission and Challenges". Mr. Tuohy has directed the activities of technical professionals providing engineering, design, construction and strategic planning services for the Department of Energy, commercial nuclear industry and national laboratories. Prior to joining ANS, he directed Hitachi's US nuclear activities applying their extensive experience in Japan to the emerging US nuclear market. He also spent over a decade teaching reactor engineering at Manhattan College and Stevens Institute of Technology.



On June 18, 2009 CNTA & SRNS sponsored a dinner with Jeff Allison, DOE Site Manager and Chuck Munns, President & CEO of Savannah River Nuclear Solutions, LLC. Over 100 people signed up to hear Jeff and Chuck give their presentation on recent stimulus spending. Mr. Allison has been DOE site Manager since March 2003 and Acting Manager from June 2002. Mr. Munns is responsible to the DOE for management and operations of the Savannah River Site. Prior to joining SRNS, he served for 34 years in the U.S. Navy and served as commander of NATO submarines.



This was the first scheduled dinner for 2009 and was well received by our members and guests. A brief social time gave everyone a chance to relax and talk to fellow members.



James French, President & Project Manager of Savannah River Remediation LLC presented an overview of how the Savannah River Remediation Company will accelerate radioactive liquid waste removal from the waste tanks at the site at our July 15th breakfast. Mr. French oversees a complex, integrated set of radioactive liquid waste facilities. These facilities remove high-level waste from the Site's large waste tanks, turning the waste into a safe, immobile glass form. He also oversees other areas including the salt waste processing, removing low-level radioactive materials from the tanks, and safely demonstrating and proving new technology. He has 36 years experience in the nuclear industry which includes 20 years on DOE projects, seven on three commercial nuclear reactor projects, and nine on U.S. Navy nuclear submarines.

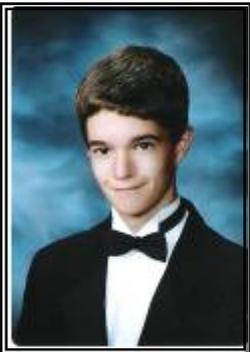
## *Up and Atom Breakfasts (cont'd)*



### **“BRINGING NUCLEAR CAREER OPPORTUNITIES HOME: THE NUCLEAR RENAISSANCE IN THE CSRA”**

Dr. Susan Winsor, President at Aiken Technical College and Dr. Tom Hallman, Chancellor & Chief Operating Officer of the University of South Carolina Aiken were guest speakers at our August 20th breakfast, sponsored by SRSCRO. Their presentation gave an overview of their findings and suggested action for nuclear workforce planning. Dr. Winsor is the current Chair of the Nuclear Workforce Taskforce of the SRS Community Reuse Organization and is a member of the board of directors of CNTA. Dr. Hallman is also a member of the board of directors of CNTA. Together, they presented a compelling case for workforce development ranging from skilled crafts and trades to associate degrees and to four-year and graduate degrees. All-in-all an estimated 10,000 people will need to be hired in these areas just to support nuclear projects in the CSRA over the next ten years. These people will be hired. The question is, “will they be locals prepared for the opportunity or will they be imported from elsewhere.

## *ROBERT MAHER MEMORIAL SCHOLARSHIP*



We are pleased to announce that Rea Cauthen, who is a senior at Clemson University is the recipient of the 2009 Robert Maher Memorial Scholarship. Rea has distinguished himself academically and in work assignments with the Savannah River Site, where he completed two summer internships. The first was spent with a regulatory group (Site Regulatory Integration & Planning) working on legal documentation necessary for closing the waste tanks in F & H Areas as well as the Saltstone vaults. His second internship was with Savannah River National Lab as part of the CRAWDAD project conducted on L-Lake. This project tested commercially available radiation detectors as part of the Department of Homeland Security Small Vessel Security Strategy. Cauthen has received a number of awards, including the WSRC Family Scholarship Award, Secretary's Department of Homeland Security Team Award and the Clemson Department of Mechanical Engineering Junior Scholastic Achievement Award.

After his undergraduate studies are finished, he plans to pursue a nuclear career in which he can apply the engineering fundamentals he has learned. Congratulations Rea, see you at this years' Teller Lecture/ Banquet.

CNTA and the Medical College of Georgia have jointly issued a white paper to Dr. Sam Bhattacharyya, Director of the SRNL on the potential for creating a spin-off consortium to produce and market medical isotopes. The white paper was written by Mal McKibben, Executive Director Emeritus of CNTA and James Corley, Associate Professor and Nuclear Pharmacist at MCG.

This paper confirms that the CSRA has several advantages for entering the medical radioisotopes field, which is urgently needed and has excellent market prospects. At least four different paths for making radioisotopes and radio-pharmaceuticals area identified.

The most widely used medical radioisotope, molybdenum-99/technetium-99m, is currently in very short supply because the Canadian reactor and the Belgium reactor that have been supplying most of this are shut down, and may be down for a long time.

One meeting has been held to discuss these options that included MCG, CNTA, SRNL, EDP, and the SRS Reuse Organization. This group created an exploratory committee that will include a commercial medical radioisotope retailer and representatives from the participating groups. This committee will explore the options in more detail and funding, including grant opportunities.

CNTA members may obtain copies of the white paper by calling or emailing your request the CNTA office at 803 649-3456.

## SRS Heritage Foundation's Plans for Scientific and Nuclear Education

By Mal McKibben

The nuclear community urgently needs to educate students and the public on the real risks and benefits of nuclear technologies. Addressing this need is complicated by the anti-nuclear misinformation that dominates the public news industry, i.e., TV, newspapers, and magazines.

In 2004 CNTA spun off the SRS Heritage Foundation which plans to provide The SRS Heritage Center at the edge of the site that will not only preserve and interpret the history of the site, but will also be heavily involved in educating and inspiring interest in science, mathematics, and nuclear technologies to students and the public..

The Center will house educational exhibits on technical inventions and achievements at SRS, the site's history of production, environmental management, forest management, wildlife management, and radioactive waste management. It is expected that the Savannah River National Laboratory will have hands-on exhibits of recent inventions.

The Center will also have classrooms and an auditorium in which educational videos and historical movies will be shown. The Foundation has already produced a very successful documentary movie, "Displaced", which tells the story of about 6,000 people who were displaced from their homes and communities so that SRS could be built. The premier of that movie was attended by over 1200 people. Copies are available from the Foundation for \$20. A 30-minute summary of "Displaced" is being given to middle schools in the area along with complementary teaching packets, lesson plans and supporting documentation.

An important part of the site's heritage is the work that was done from the beginning to determine the effect of its activities on the site's environment and the Savannah River. Independent work has been performed since 1951 by the Philadelphia Academy of Natural Science (Dr. Ruth Patrick) and the SRS Ecology Laboratory run by University of

A significant part of the site's heritage is the incredible account of the DuPont Company's efforts to select the site and design and build facilities. Within only three years DuPont built five heavy-water reactors, two separations areas, a heavy water manufacturing plant, a facility for fabricating fuel and targets, a world-class laboratory, etc. All of the major facilities were high-tech, close tolerance and first-of-a-kind. DuPont set construction safety records that have not been broken. DuPont operated the site until April 1989.

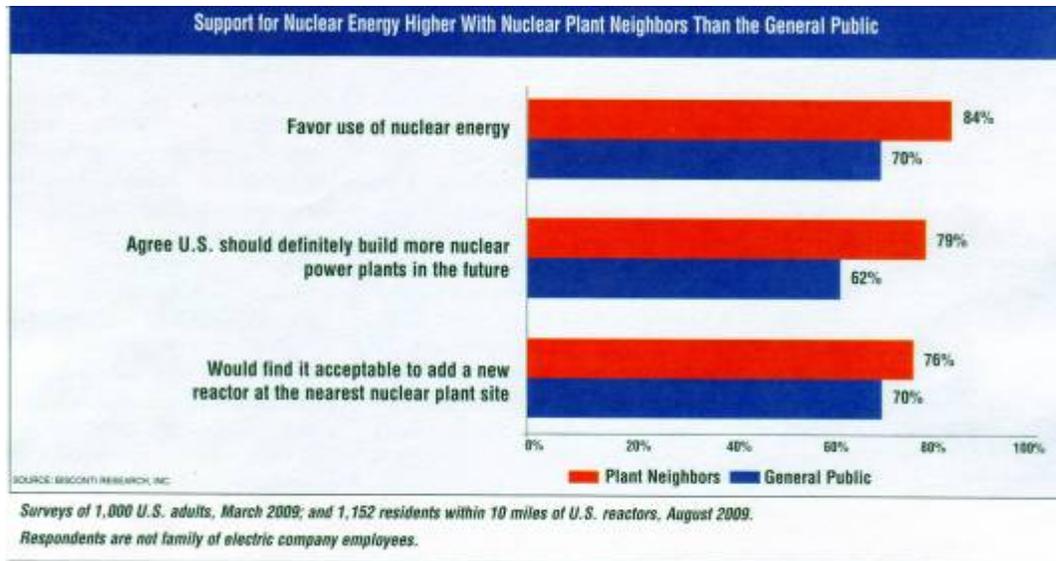
An important part of the site's heritage is the work that was done from the beginning to determine the effect of its activities on the site's environment and the Savannah River. Independent work has been performed since 1951 by the Philadelphia Academy of Natural Science (Dr. Ruth Patrick) and the SRS Ecology Laboratory run by University of Georgia. That huge body of work shows unambiguously that the negative environmental effects have been quite small.

The Foundation is also planning to set up tours for students and the public of Ellenton, the largest of the displaced communities, and hopes to conduct tours of one of SRS's production reactors. Such tours at other DOE sites have been well attended and highly successful. We have no doubt that the SRS tours will be equally well received. DOE at SRS has been very supportive and helpful.

Students and the public will be far less susceptible to the inaccurate fear-mongering that dominates national nuclear news if they are shown facts in an entertaining way. Facts are stubborn things, as someone once said, and the visitor centers at DOE sites across the country have a wonderful opportunity to present the facts to a large number of people. That is exactly what the SRS Heritage Foundation intends to do.

# SUPPORT FOR NUCLEAR ENERGY CONTINUTES TO GROW

Nuclear Plants Are Good Neighbors—People who live near nuclear power plants over-whelmingly like having them for neighbors, a new study by Bisconti Research Inc. states. The survey, conducted in July 2009 included interviews with 1,152 adults. The margin of error is plus or minus three percentage points. “Once again, the vast majority of people living in the communities around nuclear power plants support these plants,” said Ann Bisconti, president of Bisconti Research Inc. “They are comfortable with the plants and the companies that operate these plants.” Nuclear plants get high marks for their generation of clean, emission-free electricity, their stewardship of the environment and their contributions to local communities.



## Acceptance or Insistence?

By Clint Wolfe

In our strategic planning session held earlier this year we emphasized casting a bigger net to include a broader spectrum of support for nuclear power. We talked about out-greening the greens, emphasizing students, women, non-technically trained persons, and African-Americans. During the past weeks we have also realized that labor organizations are a natural source of support. We are working to find ways to collaborate with all these demographic groups.

On what other topic could you envision enlisting the enthusiastic support of business leaders, corporate executives, labor leaders, conservatives, liberals, republicans, democrats, scientists and engineers? Today, these groups – tomorrow, the soccer moms. Then we will have our way!

Polls show that about 75 per cent of Americans favor the use of nuclear power. Unfortunately, the 25 per cent who don't want it are more vocal and insistent about their cause. The supporting group is perhaps best described as accepting nuclear power, while the anti-nukes are insisting that we not proceed toward a nuclear renaissance.

Our challenge is to change the supporting group's acceptance into a grass roots insistence on pursuing a robust nuclear program. A vocal 75 per cent could make that happen. Washington would respond.

That brings us to the earliest opportunity to demonstrate some of that ecumenical flavor-the 18<sup>th</sup> annual Teller Lecture. Congressman James Clyburn, Majority Whip, will be our guest speaker. I want him to see banners from our corporate sponsors, community organizations, educational institutions, labor unions and environmental groups, and to understand that we don't just accept nuclear power, we insist on it.

Does anybody know if there is a soccer mom organization?



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## FRED C. DAVISON DISTINGUISHED SCIENTIST ANNOUNCED

CNTA is pleased to announce that Dr. Alfred Garrett has been selected to receive the 2009 Fred C. Davison Distinguished Scientist Award. Dr. Garrett, leading scientist, researcher and manager at SRS for 30 years. He first joined SRS in July 1979 and over the course of his career at the site, Dr. Garrett has provided sound technological solutions to a wide array of problems, ranging from reactor safety and emergency response to remote sensing and nonproliferation. He is currently a Consulting National Security Analyst (the highest technical position within the lab) with the SRNL Nonproliferation Technology Section.

Dr. Garrett will be honored at the 18th Teller Lecture/Banquet on November 12th at the Doubletree Hotel in Augusta, GA. Join us in congratulating Dr. Garrett on winning this prestigious award.

## NEW MEMBERS NEEDED

CNTA is an organization that works to benefit ALL people in the CSRA and in the world, now and into the future. Your membership is the best way to show your support for our mission. We provide factual, objective information on nuclear subjects for the public, teachers, students, public officials, and at public hearings. We do this to improve public knowledge on the real benefits and comparative risks of nuclear activities, including nuclear production of electricity, nuclear medicine, food irradiation, nuclear weapons production and nuclear waste management. We also seek new nuclear missions for SRS and the CSRA.

**ENCOURAGE YOUR CO-WORKERS, FRIENDS AND  
NEIGHBORS TO JOIN TODAY!**

## Just the FACTS!

### Did you know:

- In the U.S., if electrical power generation were nuclear, the per person waste generated in a individual's lifetime could be placed in a single soda can with room to spare.
- The annual per capita generation of hazardous waste (U.S.) is about one ton per person.

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**HELP US GET MORE MEMBERS FOR THE BENEFIT OF US ALL!**

Artwork by NuclearPowerYesPlease.org.

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