

CNTAware

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2011 GOLF TOURNAMENT REVIEW

When the volunteers arrived at Houndslake Country Club the morning of May 6th, the sun was shining and the temperature was perfect for what looked like a great day of golf! Our tournament sponsor again this year was B&W Technical Services, Inc.

The registration table manned by Rebecca Lindsay of WSI-SRS Team and Karen Poteat from Cumberland Hills did a great job checking in all the golfers. Susan Wood, Chair of CNTA Board of Directors, Jeanette Hyatt and Lyddie Hansen of SRNS sold over \$3660 in mulligans and raffle tickets to our generous golfers. Mindy Mets, Volunteer Coordinator, did an outstanding job making sure all the volunteers knew in advance where they would be working and what their job consisted of....it ran so smooth this year!

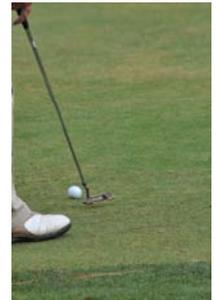
Our beverage crew, lead by Kim Cauthen of SRNS, had great help from Tracy Bryant, Ted Millings, Walt & Paula Joseph, Wayne Rickman, Karen Patterson, Joy Price, Joe Kelley, Frank Heckendorn, Nina Adams and John Magruder, all did a great job making sure the golfers had beverages and snacks during the game (in the RAIN, with smiles on their faces! What more could you ask for in a volunteer!) Tim McKinsey and Wade Miller were a great help getting the ballroom ready for lunch and prize drawings.

Rules of play and the shotgun start went off without a hitch. It wasn't until about 10:00 when the skies opened up! About 45 minutes of drenching rain got everyone on the course!

**Did our golfers give up?
Heck no....they kept right**

on playing! Now that's dedication to the game!

We have many, many photos taken by John Connelly and Bob Young that you can see on our website and we've put a few on the following pages for you. Bob has his own website, you can get his link on our website at www.c-n-t-a.com



Thank you to all who made this event a success for the 9th year! We raised \$13,500 to assist in our mission of educating the public about all things nuclear and supporting new missions at SRS. We hope you plan on playing in our 2012 tournament, we'll be lookin' for you!



1ST, 2ND, 3RD PLACE WINNERS

The DOE-SRS Team was victorious at this year's event coming in at **1st place!** Doug Hintze, Ray Fulton, Ron Bartholomew, and Lewann Belton had a score of 53.8. They each received a \$50.00 HCC gift certificate, engraved curved glass trophies, a nice bottle of wine and an umbrella.

Second place winners were John Myers, Chuck Bernard, John Wyler and Gary Hazelwood of the B&W Technical Service and our tournament sponsor. Each player received a \$40 HCC gift certificate, 2 sleeves of golf balls and an umbrella.

Third place winners (this is a first) were the Clint Wolfe Team with

a 56.6, very close to second place! Clint's team members were Ron Stevens, Bob Tolson and Jimmy Stewart Sr.. Each received a \$30 HCC gift certificate, one sleeve of golf balls and an umbrella.

For the past several years, we have presented the "Last" place team with a little something to help ease the pain. The team was presented with a HCC Pro golf lesson and a can of beer to cry in! It was all in fun!!

1st Place Winners

Thank You To Our Many Sponsors



The DOE-SRS Team—1st Place Winners
L to R..Ron Bartholemew, Lewann Belton, Doug Hintze, and Ray Fulton



Glass-curved trophies with room for the team photo were presented to the winning team this year.



1st Place Winners also received a nice bottle of wine courtesy of Wine World and the trophies from Trophies Unlimited

The first year that B&W Technical Services became the Tournament Sponsor was 2005, at that time they were called BWXT. We've come a long way since then and want to give our most sincere thanks to their continuing to be our Tournament Sponsor. They provide each golfer and volunteer with a beautiful and useful sponsor gift each year that is well received by everyone. And it looks like we are starting another tradition with SRNS signing up to be the Lunch Sponsor and Energy Solutions signing up as the Beverage Sponsor. For the second year, SRNS has provided sponsorship for us to purchase beautiful golf shirts to the players and volunteers! Our major sponsors made this event extra special, their participation is the key to our success. Many of our golfers and volunteers commented on the wonderful gifts they receive and all had a great day of fun.

Each year individuals and businesses have the option to be a Hole Sponsor that gives them a chance to be recognized on one or more of the tees on the course. This year

we had Columbia Energy, Economic Partnership Development, Longenecker & Associates, SRSCRO and WSI-SRS Team. We had 100 golfers this year. Many companies and businesses in SC and GA gave gift certificates or items that we used for prizes, they're listed below :

Thank You!
Thank You!

- B & W TECHNICAL SERVICE
- SRNS
- ENERGY SOLUTIONS
- SRR
- URS
- CUMBERLAND HILLS
- NEWBERY HALL
- CRAIG WILLIAMSON
- HOTEL AIKEN
- TOAST WINE & BEVERAGE
- BARTRAM TRAIL
- PINNACLE CLUB
- FOREST HILLS GOLF CLUB
- DOUBLETREE HOTEL
- HAIR OF THE DOG PET SALON
- RCS NUCLEAR
- HARVARDS WINE & BEVERAGE
- AIKEN STANDARD
- GRIGES BUTCHER SHOP

- WINE WORLD
- FLOYD & GREEN
- SECURITY FEDERAL BANK
- WIFE SAVER RESTAURANT
- O'CHARLEY'S
- JONES CREEK GOLF
- BONEFISH GRILL
- CARRABBAS
- HOUNDSLAKE COUNTRY CLUB
- WEST SIDE BOWERY
- NEWPORT NEWS NUCLEAR
- WOODSIDE RESERVE GOLF
- ROSE HILL—STABLES RESTAURANT
- CASA BELLA RESTAURANT
- PRIME STEAK HOUSE
- RED PEPPER RESTAURANT
- NEWBERRY HALL
- TROPHIES UNLIMITED

This year we had three \$1500 awards. There were 11 essays submitted from five high schools in two counties. Essays were submitted from nine seniors and two juniors. All of this year's winners were seniors. The three topics the students could choose from were: "The Future of Small Modular Nuclear Power Reactors"; "Nuclear Medicine: Diagnosis versus Treatment"; and "Application of Nuclear Technology to Water Desalinization". The essays submitted this year were very good overall which made choosing the winners difficult for the Essay Scholarship Committee. Thank you to each essay grader for their support again this year and a special thank you goes out to our three sponsors for contributing to such a worthy cause.

Essay Contest Chair, Bill Wabbersen

LAKESIDE HIGH SCHOOL WINNER



Dr. Clint R. Wolfe, executive director of Citizens for Nuclear Technology Awareness (right) presents a scholarship check for \$1,000 to Lakeside High School senior Sterling Tran. An additional \$500 was presented to principal Dr. Steve Rhodes for use at the school. Tran was one of three Columbia County students to win scholarships in the CNTA essay contest for his essay "Nuclear Medicine: Diagnosis vs. Treatment".

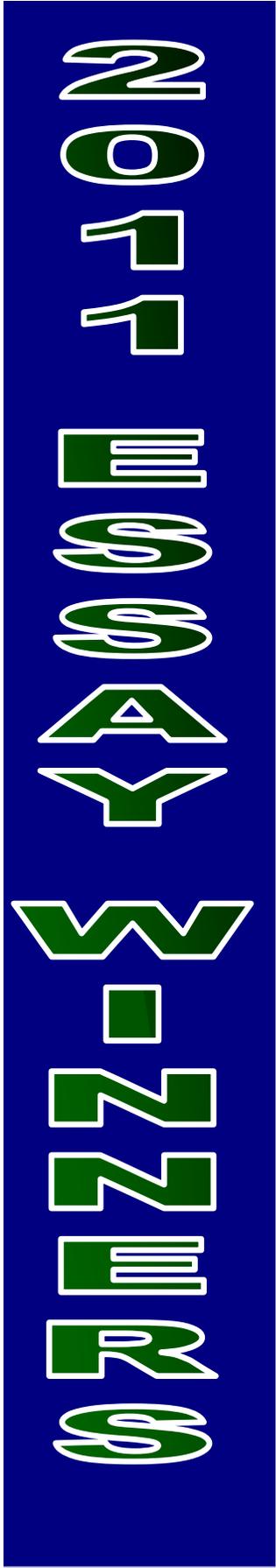
EVANS HIGH SCHOOL WINNER

Sierra Hovet, a Senior at Evans High School had a winning essay titled "Application of Nuclear Technology to Water Desalinization" (no photo available)

GROVETOWN HIGH SCHOOL WINNER

Richard Bragg, a Senior at Grovetown High School also wrote a winning essay on the "Application of Nuclear Technology to Water Desalinization" (no photo available)

All the essays can be read at the CNTA website...www.c-n-t-a.com under Events...check out what these young students wrote about. Congratulations to the Winners!!



ANS STUDENT CONFERENCE

Hundreds of students from across the country arrived at the nuclear science and technology industry's most important student event of the year, the American Nuclear Society (ANS) National Student Conference..... was held April 14-16 in Atlanta and was hosted by the Georgia Tech chapter. The conference co-chair was Aiken's own Amy Varallo. Amy is a former winner of CNTA's essay contest and her dad, Tom Varallo is a CNTA member and is now a co-sponsor of the essay contest. In addition, Dr. Paul Cloessner of SRNL and a CNTA member served on a public forum panel with a number of nuclear advocates that included author Gwyneth Cravens and ANS Chairman-elect, Eric Loewen. CNTA's executive director, Clint Wolfe also served on that panel.



Senate OKs Munns as commissioner

The S.C. Senate confirmed Chuck Munns as a new commissioner on the S.C. Commission on Higher Education.

All of the CHE commissioners work together to provide oversight of the agency, which has the formal goal of promoting quality and efficiency in the higher education system, while also fostering economic growth and development in the state.

He serves on the Aiken Technical College education board and the USC Aiken partnership board. Chuck is also chair of the our CNTA Education Committee, who are working to put together another teachers workshop the end of June. The CNTA workshops provide teachers access to materials and resources which will facilitate the teaching of nuclear science. We want to help

STEM students get the appropriate message by dispelling misconceptions and myths about nuclear subjects.

Co-sponsors are ANS Local Chapter, Ruth Patrick Science Education Center and Energy Solutions. Information about the workshop can be found at the Ruth Patrick Science Education Center website: www.RPESC.edu



March, 2010 Teachers Workshop at Ruth Patrick Science Education Center



Teachers experimenting with Geiger counter and other equipment

Senate Bills Focus on Small Reactor Development

June 9, 2011—Two bills before the Senate Energy and Natural Resources Committee would help accelerate the development and deployment of small reactors. The committee heard testimony on two nuclear energy-related bills: [S. 512](#), the Nuclear Power 2021 Act, and [S. 1067](#), the Nuclear Energy Research Initiative Improvement Act of 2011. The first bill would help advance small reactors in much the same way that the [Nuclear Power 2010](#) program helped commercialize the current generation of advanced nuclear reactors. Its goal is to develop two small reactor designs (with a capacity of less than 300 megawatts electric) that would have design certifications and combined construction and operating licenses by 2021. It is similar to the Nuclear Power 2021 Act ([H.R. 1808](#)) recently introduced in the House (see [Nuclear Energy Overview, May 25](#)).

“S. 512 demonstrates the committee’s vision and leadership role in deploying small reactors within the next 10 years,” said Marvin Fertel, NEI’s president and chief executive officer, in testimony submitted to the committee.

Joe Colvin, president of the American Nuclear Society, said it is essential to set up a comprehensive and efficient licensing process for small reactors.

“Right now, we’re looking at about between four to six years to achieve a design certification,” Colvin said. “Between DOE and the NRC we need to lay out a plan to accelerate licensing as well as research and development activities for small reactor technology.”

Another provision of S. 512 is a cost-sharing program between the government and industry for development and licensing of two small reactor designs.

“The regulatory risk of taking these new and innovative designs through the process is something that [the industry] thought of as a significant risk,” said John Kelly, deputy assistant secretary of energy for nuclear reactor technologies. “And [the industry] felt it appropriate for government to help to reduce the risk of market entry for these new designs. At the same time, they’re very interested in cost-sharing.”

Kelly added that one of the key benefits of small reactors is that they can be constructed in a factory, allowing prices to drop over time as new efficiency gains are made.

“By going to factory fabrication, you can lower the costs as you begin to build more units,” said Kelly. “Our initial studies indicate that the economy of mass production is very feasible with these designs. We believe we can achieve parity with large plants on a megawatt basis

.” Small reactors could also help revitalize the country’s manufacturing base and increase its exports, Kelly added.

“There is certainly a significant interest internationally,” he said. “That’s primarily because the electricity demand may be smaller. Their infrastructure for the plants may be more limited and so there may be a much better match between the smaller output of these plants and the indigenous infrastructure in those countries.”

S. 1067 would direct research to “lower the cost of nuclear reactor systems,” including small reactors. S. 1067 would appropriate \$50 million in fiscal 2012 through 2016 for research into cost-efficient manufacturing of plant components, “enhanced proliferation controls” and other programs.

In his written testimony, Fertel said the bill could help the country keep its edge in nuclear energy technology. “By focusing federal research support on programs to reduce the cost of licensing, construction and the manufacturing of plant components, S. 1067 can accelerate the construction of small modular reactors,” he said.

<< Thaddeus Swanek, tjs@nei.org

(Story taken from Nuclear Energy Overview June 3-June 9, 2011 issue)



If you want to see the future of nuclear power and the local economy, you can glimpse a part of it through the trees off U.S. 460 in New London, VA. A 110-foot tower stretches above a Bedford County business park. Soon, it will hold a prototype of the Babcock & Wilcox Company’s mPower reactor — a small nuclear generator that B&W believes will make nuclear power cheaper, safer and faster to build.

Upcoming Breakfasts



Today, June 14th is the last day to sign up for the Lake Barrett breakfast that will be held at Houndslake Country Club. Mr. Barrett will talk about “Fukushimas: What Happened and the Future”.

Date: June 16th

Time: 7:30 a.m.

Place: Houndslake Country Club

Cost: \$20.00/person

(pay at the door)



David Olson, President and Project Manager of Savannah River Remediation (SRR) and URS, Group Vice President will be our guest speaker for our July 21st Up & Atom Breakfast. He will speak on “SRR: Next generation technology, next generation workers.”

Information about the breakfast will be sent to our membership later this month. Thank you to Savannah River

Remediation for sponsoring this upcoming breakfast.

Up & Atom Breakfast & Dinner Review

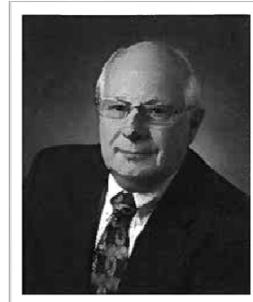


Our guest speaker for our March 25th breakfast was Mr. Kevin Butterfield, Director of Development at B&W Nuclear Energy, Inc. Mr. Butterfield gave a good presentation on mPower Integral Modular Reactor Design to a 107 members and guests. Mr. Butterfield has more than 25 years of experience in the commercial nuclear power plant markets, predominatly in the areas of nuclear power plant business development, product development and operations

testing. He has served as the Project Development Manager for AREVA New Plants Deployment, where he was responsible for developing nuclear power plant projects in North America.

The American Nuclear Society and CNTA co-sponsored a dinner with guest speaker David Moody, Manager of the U.S. DOE Savannah River Operations office on May 5th, 2011 to over 100 people at Newberry Hall.

Mr. Moody spoke about the “State of the Site and the SRS Vision Ahead” and provide a draft titled “Nuclear Knowledge for the Nation—A future vision for the Savannah River Site.



...more golf photos...



They say time flies when you're having fun. We must be having a ball because we are nearly half way through 2011 and we are just now getting the dates right on our checks. A lot of things are happening of which we can be very proud.

Chuck Munns, our education committee chairman, has been appointed to the Commission on Higher Education. Chuck and the CNTA education committee are rolling full speed ahead toward a June 27th teacher's workshop designed to bring nuclear topics into the classroom. Members of this committee have already visited individual classrooms to speak to students about nuclear science. We made three \$1500 awards for our CNTA essay contest and are currently evaluating applications for the \$5000 Bob Maher scholarship.

We have had 3 Up & Atom breakfasts, one dinner and one members' mixer through June 1 and another two breakfasts are scheduled for June 16 and July 21. We have had 14 published Opinion Editorials and letters to the editor in four regional newspapers. We contributed a blog article for National Nuclear Science Week. We have given talks to the Aiken Chamber of Commerce, Town & Country, Augusta Kiwanis, Carolina Nuclear Cluster in Charlotte and we provided the kickoff remarks for the SEMA Conference in April. Clint and Paul Cloessner also served on a panel for a public forum April 16, at the ANS National Student Conference in Atlanta (see article on p. 4).

We have participated or are scheduled to participate in hearings before the Blue Ribbon Commission, the NRC and the Defense Nuclear Facilities Safety Board.

Make sure you are part of the dynamic nuclear environment that is growing on the education front, as well as at the SRS and in the commercial nuclear field. That is most easily accomplished by supporting CNTA!

By Clint Wolfe

20 Year Anniversary Celebration of CNTA

20 Year Anniversary Celebration of CNTA

In October 1991, CNTA received the charter to be a non-profit organization to support and provide factual information concerning nuclear technology. At the time SRS was in the midst of the upgrade of K, L, and P reactors. There was a great deal of inaccurate information about the risks and dangers of the work that was proceeding at SRS and throughout the DOE complex. A group of local citizens, businessmen and citizens in Aiken, Barnwell, Allendale counties in South Carolina, and Richmond, Columbia Counties in Georgia formed CNTA for the distinct purpose of providing accurate technical information about nuclear technology. That effort continues today, as demonstrated by the information presented to the Blue Ribbon Commission by our Executive Director and other members of our organization.

Several events to celebrate this special year are being planned. The first was the 20 year slogan contest. And it has been announced that Bill and Laura Wabbersen won the contest with "The Path to Knowledge Begins with Awareness". The runner-up slogan was submitted by Charles Neill, "Nuclear, the Informed Choice". The twenty submitted slogans were all very good and determining the winning entries was very difficult. Thank you to all the participants.

The next event celebrating this anniversary year will be a photo display at the golf tournament. We are asking anyone with photos of events regarding the history of CNTA that might be of interest to everyone, to loan them to us on the day of the golf tournament (May 6) to be posted around the room for members and other golfers to view.

The highlight of the year will be our 20 year anniversary Teller Lecture in November, details will be forth coming. Other activities that are in planning include an evening event that acknowledges the history of our organization and another meeting with the focus of "SRS in the next 20 years."

In an effort to dispel false information, we are considering a radio, print advertisement campaign concerning the benefits of nuclear technology including smoke detectors, nuclear medicine, and civilian nuclear power. The intent would be to promote the idea that a person can "trust" nuclear technology. Anyone interested in helping the 20 year anniversary committee, please contact the CNTA office.

Help us have a banner 20th year

By Wayne Rickman,

Vice Chair and Chair of the 20th Anniversary Celebration



Check-out more photos that have been sent in a separate file. Thanks

We Need Your Feedback!!

One of the great things about CNTA is the chance to network with other people who are interested in nuclear technology fields of power production, materials management, medicine, education, etc. Some of the ways we make that possible are by sponsoring Up & Atom breakfasts, special dinners, golf tournament, Teller Lecture, etc.

The issue is this: we want to encourage guests to come to these events and eventually join CNTA, but we think there should be a financial benefit to having a membership status in CNTA. We are contemplating a small additional charge for nonmembers for events like the Up & Atom breakfasts. Although we love these events, we now occasionally lose money on them due to no-shows and an additional charge for guests could offset these losses.

This issue is likely to be more important as we gain more recognition in the media for our good works and the public becomes more aware of our special events.

Let us know what you think! Email your comments or give us a call. Thanks



NOTICE TO MEMBERS:

If you haven't renewed your 2011 membership this is the last newsletter you will receive. So please be sure to send in your dues before the end of the June!

We need your support!

You don't want to miss the upcoming events!

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Check-out our website for more golf photos and other information!

WWW.C-N-T-A.COM

"The Citizens Nuclear Voice"