

Summer 2007

# CNTAware Newsletter

PARSONS—1st Place Winners



**ANOTHER GREAT GOLF  
TOURNAMENT THIS YEAR!**

*The weather couldn't have been better, we raised over \$11,000 to continue support of the CNTA activities and we had so much fun! What could be better....132 golfers signed up for our 5th Annual Golf Tournament held on May 11, 2007 at Houndslake Country Club. It was a day full of laughs and maybe some tears because you just missed winning that "hole-in-one" with the brand-new car sitting there! Over \$10,000 worth of prizes were drawn after lunch, most everyone went home with some sort of prize. BWXT, the tournament sponsor, gave each golfer a logo hat and an emergency roadside car kit. Congratulations goes to the winning team, Parsons, who took home a nice trophy and a bottle of wine donated by Frank Shallo.*

Thank you to all the area businesses, CNTA members and corporate sponsors who contributed gifts and services again this year....we couldn't do it without them. And of course, we need to thank our golf committee and our many volunteers who contributed their time and energy to make sure this event was great! The Houndslake Country Club staff made our event special with their attention to all the details and providing our hungry golfers with a great lunch. The RCS Corporation sponsored the team photos again this year provided by Chris' Camera Shop. This is the second



year for the photos to be done and we hope that the tradition will continue. **WE'VE ALREADY RESERVED HOUNDSLAKE COUNTRY CLUB FOR NEXT YEAR. PUT MAY 9, 2008 ON YOUR CALENDAR!!**

**THANK YOU EVERYONE— SEE YOU NEXT YEAR!**

# UP & ATOM BREAKFASTS

**JOIN US FOR OUR JULY 31**

**UP & ATOM BREAKFAST**

**DATE: JULY 31, 2007**

**PLACE: NEWBERRY HALL**

**TIME: 7:30 A.M., \$12.00 (Pay at the door)**

**SPEAKER: Mr. Regis Matzie, Senior Vice President of Westinghouse Electric Company, Winsor, CT.**

**TITLE: "Westinghouse's Advanced Reactor Portfolio—A Look at the Future"**

**DEADLINE FOR RESERVATIONS IS JULY 27, 2007**

**PLEASE EMAIL OR CALL IN YOUR RESERVATION TO THE CNTA OFFICE AT 649-3456 OR EMAIL US.**

## OUTBOUND EMAIL PROBLEMS

As you know we continue to have some problems getting emails to our membership. After numerous phone calls and IT people looking at the problem, we installed a different security software that allows the email to be sent from our system. If you still are not receiving our emails it may be that your system thinks our emails are spam. We suggest you check your system to make sure your spam-blocker is allowing our emails to come into our system. Emails are the most cost-effective way for us to communicate with our members. We will continue to work to solve our problems, so please be patient with us and make sure that we have your correct email address. **DON'T FORGET TO LET US KNOW IF YOU CHANGE YOUR EMAIL OR HOME ADDRESS.**

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*Mr. James Latham*

**APRIL BREAKFAST—** Jim Latham, Vice President Barnwell Operations, Chem-Nuclear Systems. Was our guest speaker at the April 24th breakfast at Newberry Hall. His talk titled: "Commercial Radioactive Waste Disposal in South Carolina" gave the audience an overview of how the Barnwell Operation is constructed and how the waste is disposed of.



*Mr. David Stinson*

**JUNE BREAKFAST—** Dave Stinson, President and Project Manager of Shaw AREVA MOX Services, LLC. was our guest speaker at the June 21st breakfast. His presentation titled the "MOX 2007: Construction, The Next Step", showed site preparation and construction of the Engineering Facility. Official construction of the facility will begin August 1, 2007.

Mr. Stinson successfully transitioned 300 employees from the Charlotte, NC headquarters to the new home base at the Savannah River Site. The Mixed Oxide Fuel Fabrication is a \$4.7 billion project, when completed, will convert weapon grade plutonium into commercial nuclear reactor ready fuel assemblies.

**Nuclear Energy Institute—**Perspective on Public Opinion pamphlet - Eighty-six percent of the public and 88 percent of college graduate voters agree that nuclear energy will play an important role in meeting future electricity demand. Majorities also support license renewal for existing nuclear power plants and "definitely building" new nuclear power plants.

# YOU ARE THE CITIZENS FOR NUCLEAR TECHNOLOGY

## AWARENESS.....this is a true statement—

without you, the CNTA could not carry out its missions. As of today, the CNTA has approximately 355 families and over 30 Corporate Sponsors and Business members. Members and Sponsors are the primary source of funds used by the organization in support of our Education Mission. However, our organization needs to grow to continue our outreach and to be an effective voice on your behalf. Many exciting things are on the horizon in the nuclear arena and we must be able to continue to promulgate factual information that supports our communities and economic development in the region. The nation is on the verge of a rebirth of nuclear energy, the US Government is considering two sites in our region as potential sites for Global Nuclear Energy Partnership, the Department of Energy is considering five DOE sites for a major new mission called Complex 2030, and the list goes on. We need to be fully engaged in all of these activities to ensure that they are successful and that the advantages of our region are known to the decision makers so that the best value for the taxpayer results from their decisions.

We thank you for your support and your continued interest in the CNTA. *To further our ability to make a positive impact we are asking each member to contact a friend, a family member, or a neighbor and encourage them to join our organization. A membership form is included with this newsletter for your use in doing this. The cost has been reduced to reflect a half-year membership. The cost is minimal but the impact is significant. Thank you!*

By Craig Martin

### **Hubble Telescope Photo—June 3, 2007—**

The Perfect Storm, a small region in the Swan Nebula, 5,500 light years away, described as a ‘a bubbly ocean of hydrogen and small amounts of oxygen, sulphur and other elements.’



What beautiful colors so far away!

## THANK YOU TO OUR CORPORATE SPONSORS , BUSINESS and FAMILY MEMBERS

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YOUR AD IN OUR NEXT  
EDITION**

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PATRONIZE OUR BUSINESS MEMBERS**

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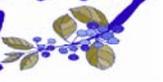
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Some of our volunteers, a couple teams and the second place winners!



Lyddie Hansen, Joyce Hopperton, Nina Adams, Karen Bonavita



Foursome takes a minute to pose for the camera



John Brown team trying for that par!



SCANA Team won 2nd Place!

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## CNTA OUTREACH TO SCHOOLS: PARTNERS WITH RUTH PATRICK, ANS

By Steve Sheetz

With education as one of our primary goals, we continually look for ways to reach school aged children on nuclear related topics, including energy and an understanding of radiation. We have had some success thanks to Bill Wabbersen's talent, but we believe we've found a way to reach a broader audience.

The Speaker's Bureau recently met with Dr. Gary Senn of USCA's Ruth Patrick Science Center to discuss the success of their Traveling Science program. For those unfamiliar, Traveling Science provides teaching kits on a wide variety of science topics that teachers can check out and either present to their classes themselves, or make arrangements for a "Traveling Scientist" (many from Savannah River) to deliver. From our discussion, it was apparent that this program was well established and organized - it made little sense for CNTA to try and replicate it. The kits typically include a teacher's guide to explain and guide the topic, along with displays, instruments, supplies, etc. appropriate to the topic.

What we have decided to do is partner with the American Nuclear Society to assemble kits and develop teaching guides for a few nuclear

topics and work with the Traveling Scientist program to put together a cadre of volunteers to teach these programs in the classrooms.



***Now we need your help.*** We need a few interested members to lead the development of these CNTA/ANS sponsored Traveling Science kits. If you would like to help build a greater understanding of nuclear topics among school aged children, give Karen a call at the CNTA office (803-649-3456). We would love your help on this very rewarding activity.

**Other News:** The fall is shaping up to be a very busy season for the Speakers Bureau. Hilton Head Lifelong Learning has already booked 6 week series on nuclear topics and Lifelong Learning of Aiken has asked for 2 presentations. If you know of other civic or professional groups that would like factual information on nuclear topics, let us know.



### WACKENHUT SERVICES INC.-SRS 2007

#### GENERAL MANAGER'S AWARDS CEREMONY

Mal McKibben, Executive Director of CNTA was the guest speaker at the 2007 General Manager's Awards Ceremony at Woodside Plantation Country Club. Mal discussed the history of SRS from construction to present, and briefly addressed the CNTA's role in promoting future missions for the site. Mal praised the performance of Wackenhut in protecting the SRS, and noted that the WSI-SRS outstanding performance helps sell the SRS for future missions.

## WE MISS OUR DEAR FRIEND AND SUPPORTER



It was a sad day on May 11, 2007 when our friend and avid supporter of CNTA died. We miss his smiling face and gentle ways. Dr. Todd Crawford always seemed to have time to come to a committee meeting, Up & Atom breakfast or Board meeting even though he was active in environmental and SRS issues, was on the SRS Citizens Advisory Board, the SRS Health Effects Committee of the Center for Disease Control, co-founded the SRS Heritage Foundation and was chairman of the Ruth Patrick Science Center Advisory Committee at USCA. With all that, he was also a gentleman farmer who loved his horses, and other activities like snow skiing, backpacking and swimming in the ocean.

A native of California, he moved to South Carolina with his wife, Bea and three children in 1972 to develop environmental research programs at the Savannah River Laboratory. After graduating with a B.S. in Agricultural Engineering from California Poly-tech and a Ph.D. in Meteorology from the University of California at Los Angeles, Dr. Crawford began his early career with four years as a meteorologist/officer in the U.S. Air Force, continuing in the Air Force Reserves for several years. He also spent seven years as an agricultural meteorologist on the faculty of the University of California at Davis, and seven years as a scientist at the Lawrence Livermore National Laboratory of the University of California. He retired as an Environmental Fellow from Westinghouse Savannah River Site in September of 1993.

Bill Reinig, retired Vice Chairperson of CNTA, said that if he was to list people he knew who had admirable traits, Todd would be high on the list. Bill remembers that Todd had many discouragements over the past ten years in his quest to establish a Heritage Center. But Todd persisted, and with Walt Joseph and CNTA, have paved the way for success.

Todd's leadership and scientific contributions in the development of the WIND system at SRS were extraordinary accomplishments. This system, started in the early 1970's and continually improved since then, gives SRS the capability to guide emergency response activities on a real-time basis. It is considered a standard of excellence for the nuclear industry. In recognition of his scientific achievements the DuPont Company designated him a DuPont Fellow, one of perhaps two dozen in the entire Company.

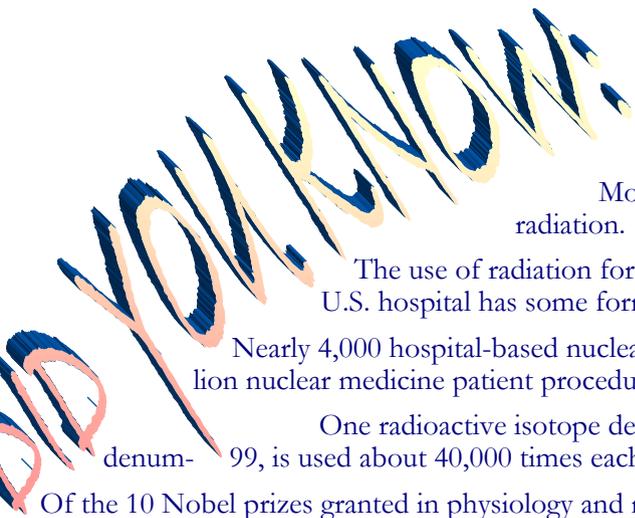
**CNTA** congratulates Colen Lindell for his recent election as President of the Aiken High School student body. You may remember Colen as the young man who drove the beverage cart at our two previous Golf Tournaments. He also has attended several of our breakfast meetings. Colen was adopted from an orphanage in Volgograd, Russia when he was nearly five years old. He attended South Aiken Baptist, Augusta Christian, Gateway, Aiken Elementary and Schofield Middle schools as he learned English as well as how to learn.

In addition to supporting CNTA, Colen has been involved in student government for five years and has served on the City of Aiken Peer Court for three years in various roles including Chief Magistrate. He is an Altar Server and active member of the Life Teens at St. Mary's Catholic Church and participates in "Home Works", a program where teens spend a week of their summer vacation repairing and improving the homes of the elderly and poorer citizens of Aiken. Colen was a member of the Fermata Swim Team and played Church League Basketball. He placed first in the county and fourth in the state in the DECCA Marking competition.

Colen plans to study political science after high school graduation next year and then to pursue a career in politics. He is looking for summer employment. Anyone needing an energetic, hardworking young man with LOTS of political savvy should consider him. He certainly has come a long way from the orphanage in Russia! ***We are very proud of you!***



*Colen and his dad, Cole Lindell at the 2005 CNTA Golf Tournament*



The largest man-made source of radiation is medical diagnosis and treatment, including X-rays, nuclear medicine and cancer treatment.

More than 28,000 American doctors practice medical specialties that use radiation.

The use of radiation for medical diagnosis and treatment is so widespread that virtually every U.S. hospital has some form of nuclear medicine unit.

Nearly 4,000 hospital-based nuclear medicine departments across the country perform more than 10 million nuclear medicine patient procedures each year.

One radioactive isotope developed at the Brookhaven National Laboratory in New York, molybdenum-99, is used about 40,000 times each day in the United States to diagnose cancer and other illnesses.

Of the 10 Nobel prizes granted in physiology and medicine from 1975 to 1989, 10 were based on research using radioactive materials.

Irradiation kills bacteria, parasites and insects in food—including listeria, salmonella and potentially deadly E.coli—and retards non-microbial spoilage of certain foods, increasing their shelf life. In the U.S. alone, according to the national Centers for Disease Control & Prevention, more than 6.5 million serious cases of food-related illness occur each year, causing more than 10,000 deaths. The World Health Organization in 1992 called food irradiation a “perfectly sound food-preservation technology.” Since the 1960s, NASA has included irradiated food on its space flights. With all the recalls of food we need more of this done to our food supply.

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