



CNTAware

15th Annual Edward Teller Event a success!

15th Annual Edward Teller Lecture/Banquet was held on November 2, 2006 at the Augusta Towers Hotel and Convention Center in Augusta, GA. Our guest speaker this year was Dr. Nils Diaz, retired Chairman of the Nuclear Regulatory Commission. The event attracted 400+ people from all walks of life. Many of our corporate sponsors purchased tables again this year.

Special guests in the audience included Jerry Paul, former Deputy Director of the National Nuclear Security Administration, Rene Ann Tewkesbury and Matt Rimkunas from Senator Lindsey Graham's office, Kathryn Wade from Congressman Gresham Barrett's office, Skipper Perry SC Representative from District 81, Nancy Bobbitt from Senator Isakson's office, Jennifer Hayes from Senator Chambliss's office, Roland Smith, SC State Representative & Chairman of the Aiken County Delegation, Don Wells, Aiken City Councilman, Mayor Vernon Dunbar of New Ellenton, Ronnie Young, Chairman of the Aiken City Council, David Jameson, President of the Aiken Chamber of Commerce. Reverend Jim Glander from Holy Trinity Evangelical Lutheran Church gave the invocation.



Left to right: Dr. Major Thompson, Dr. Tom Parkinson, Dr. Ed Albenesius, and Joe Kelley at one of the CNTA tables.

Dr. Diaz gave a moving talk that included his love of this country that many non-immigrants take for granted.

He also spoke fondly of his college experiences at the University of Florida, where Dr. Tom Parkinson was his first faculty advisor.

He told of his seven years as Chairman of the Nuclear Regulatory Commission, and some of the improvements he was able to implement. Goals of improving reactor safety and security, and speeding up the licensing process were largely realized. Dr. Diaz said he was pleased to leave the NRC office during a renewal of nuclear power.

He concluded by pointing out that the President's Global Nuclear Energy Partnership is essential to the long-term health of the nuclear power industry.



Left to Right: Bill Wabbersen, Zena Diaz, Jerry Paul, Dr. Tom Parkinson, Dr. Nils Diaz, and Jon Guy. This photo represents 3 generations of "GATORS"

Continued on Page 2.....

Dr. Todd Crawford presented the Fred C. Davidson Distinguished Scientist Award of an engraved crystal bowl to Dr. Brian Looney. Dr. Looney has had a long and distinguished career and his contributions are numerous and significant. He is a co-editor of the state-of-the-art book on Vadoſe Zone Science and Technology Solutions and is nationally recognized within this field and in the field of groundwater characterization and remediation.

Dr. Todd Wright acknowledged the winner of this year's Robert Maher Memorial Scholarship sponsored by the WSRC partnership. The winner this year is an outstanding student of Nuclear and Radiological Engineering, Emily Colvin. Emily is a senior at Georgia Tech who has already begun some gradate courses. She has had several summer work assignments in space nuclear applications, working with Pratt & Whitney's Aerospace Systems Design Lab and at the Mars Desert Research Station to simulate the Mars environment. Emily attended the lecture with her father, Robert Colvin and her faculty advisor, Mr. Cassiano de Oliveira.

Jeff Allison, DOE Manager of SRS, presented Dr. Diaz with the "Many Faces of Aiken" book by Will Cole as a token of appreciation and Dr. Susan Wood, Chair of CNTA presented him with a beautiful engraved clock as a "Meritorious Service Award". The engraved plate read, "For decades of outstanding service in nuclear education, basic nuclear science, and regulation of safe nuclear technologies as Chairman of the United States Nuclear Regulatory Commission".



Emily Colvin winner of the Robert Maher Memorial Scholarship. She is a Senior at Georgia Tech.

CASEnergy

On the next page is a letter from CASEnergy Coalition. What is CASEnergy? They are an advocacy group dedicated to bringing together consumers, conservationists, academics, health care advocates, labor organizations, business groups, professional organizations, family advocates, environmentalist and community leaders who believe greater use of nuclear energy is critical to a U.S. energy policy that will meet our nation's needs today and in the future. Their offices are in Washington, D.C.

CNTA encourages you to take a few minutes to look at their website and join this organization. Visit the website at: www.CleanSafeEnergy.org

CNTA is already a member, CASEnergy plans to feature CNTA in their next newsletter.



Dr. Brian Looney accepting Distinguished Scientist Award from Dr. Todd Crawford.

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Phone: 202-338-CASE (2273)
Fax: 202-337-4230
www.CleanSafeEnergy.org

Dear Friend,

We're writing to share our concerns about the future of energy in America and its impact on our daily lives—and to invite you to help do something about it. The U.S. Department of Energy projects the nation will need 45 percent more electricity by 2030. Where is this enormous increase going to come from? Conservation and greater efficiencies in the production of natural gas, oil, coal and hydro power will help—and a deeper commitment to renewables, such as wind and geothermal, will be needed. But they won't be enough.

It comes as a surprise to many people, but nuclear energy produces electricity for one of every five U.S. homes and businesses. Nuclear energy is one of the safest, low cost, and most efficient energy sources. And nuclear plants don't emit any greenhouse gases. Nuclear power must play an increased role in supplying America's growing electricity demand. That's where the *Clean and Safe Energy Coalition* (*CASEnergy Coalition*) is needed.

The *CASEnergy Coalition* will be an important voice in the public dialogue over current and future electricity needs, particularly in addressing how nuclear power can contribute to America's energy security and economic growth. It will work to unite consumers, conservationists, academics, health care advocates, labor organizations, business groups, professional organizations, family advocates, environmentalists and community leaders who support nuclear energy's ability to enhance America's energy security, attain cleaner air and improve the quality of life, health and economic well-being for all Americans.

Please join us as a member of the *CASEnergy Coalition*. Once you read our Mission Statement and Frequently Asked Questions, we know you will want to support clean and safe nuclear energy as part of a diverse energy portfolio. We invite you to fill out the Enrollment Form and return it to us.

There is no membership fee—now or ever.

America is indeed at a crossroads when it comes to our energy future. We've joined together to help ensure the U.S. takes the right path. We invite you to join us in this important effort. Please call 202-338-CASE (2273) or visit www.CleanSafeEnergy.org if you have any questions or need additional information. Thank you for your support.

Sincerely,

Christine Todd Whitman
Former New Jersey Governor and EPA Administrator
Co-Chair, CASEnergy Coalition

Dr. Patrick Moore
Co-Founder, former leader Greenpeace
Co-Chair, CASEnergy Coalition

Nuclear — Clean and Safe Energy for the Future

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HAPPY and SAFE HOLIDAYS!

As we near the end of 2006 we wanted to thank all of you who have helped make this a very good year.

Thank you to our corporate and business sponsors for their continued support. Thank you to our individual members and those who donate their time & talent to our cause.

With your help...our voices are being heard!

MEMBERSHIP 2007

In January, we will mail out the renewal membership applications for 2007. Included with the membership will be our 2006 Annual Report and the next newsletter edition.

We wanted to remind you that our Benefactor Level includes a ticket to the annual Edward Teller Lecture/Banquet and reserved seating at our other events. If you are currently a Parton or Sustaining member, please consider becoming a Benefactor so you to can receive a free ticket to the Teller Lecture/Banquet.

CNTA is making a difference in our community, in our nation and literally in the world. With the help of our Corporate and Business Sponsors and Individual memberships we continue to grow.

As the largest grassroots pro-nuclear educational group in the world, we are committed to being a credible, consistent voice on behalf of beneficial nuclear technologies. Through interaction with the media, community leaders, and civic organizations, CNTA is even more active and visible in our support of Savannah River Site missions and prospective new work.

There are exciting times ahead, here are some of the topics we are working on:

- Global Nuclear Energy Partnership (GNEP)
 - MOX
 - Pit Disassembly & Conversion Facility
 - Complex 2030
 - Closure of Waste Tanks
 - Georgia Power—2 new reactors at Plant Vogtle
 - 2007 Up & Atom Breakfast Speakers
 - 2007 Edward Teller Lecture Speaker
 -and many more things
- We need your support more then ever!***

Chemical engineer devotes his life to nuclear science

Bill Mottel was crouched over in a 5-foot-deep trench hole in the middle of the Nevada desert one day in 1953, waiting for a nuclear warhead to detonate.

Suddenly, there was a huge blast, followed by a massive flash of light. The scene took the young chemist's breath away. "It was something to behold," said Mottel of the U.S. government's experiment that was part of Operation Upshot Knothole – a series of nuclear tests. "It changed how (nuclear weapons) were built."

At the time, Mottel was teaching chemists and military personnel the method behind nuclear weaponry during his stint as an officer in the U.S. Army, assigned to the nuclear branch of the Armed Forces' special weapons program in New Mexico.

But his work with nuclear weapons didn't end with the Army. When he left the military, he was asked to work at the Savannah River Plant, a nuclear chemical facility in South Carolina operated by DuPont de Nemours and Company for the federal government.

A move to the Southeast, with its heat and humidity, wasn't something the Michigan native had planned.

"If anyone told me I was going to be in South Carolina, I'd say, 'You're nuts,'" said Mottel, 77, as he sat in the living room of his Hilton Head Plantation home recently.

But it was a move he said he made "for God and country" during the escalation of the Cold War between America and the former Soviet Union. The Cold War was highlighted by a nuclear arms race between the two countries.

DuPont's nuclear plant, on the banks of the Savannah River in Aiken, produced plutonium and tritium; chemicals need to make nuclear weapons. It took three years, nearly \$1 billion and 38,500 construction workers to build the giant plant, which held five nuclear reactors, Mottel said.

"It was the greatest undertaking in the whole of mankind – including the wall of China," said Mottel, who now serves as a member of Southern Carolina's Nuclear Advisory Council.

The chemical engineer reported to work the first day the plant opened in December 1953, serving for 26 years.

During his time in Aiken, Mottel got bit by the political bug when he saw a chance to do what few republicans had done before in Aiken – hold a seat on Town Council.

"The Southern Carolina democrat is a conservative person," he said of the political stance many Aiken residents held.

When his rank in the company rose through a series of promotions, Mottel decided to step down from politics because it was hard to run a company and simultaneously take political sides on town issues, said Mottel, who also served as chairman of Aiken's Public Service Authority and coached Little League football on the side.

Mottel eventually was promoted to plant manager, the highest position there. In 1986, he was appointed director of safety and occupational health for DuPont, where he served until 1991.

The nuclear plant ended its contract with the government in 1989, when the Cold War was coming to a close. Mottel said the plant will turn the tons of leftover plutonium into fuel to make electricity.

While Mottel has retired, he still serves as president of the Savannah River Site Heritage Foundation. The foundation is planning a museum to showcase the plant's history.

Now Mottel spends much of his time working on public safety issues as a member of Hilton Head Town Council. Unfortunately, that doesn't leave room for golf – one of his favorite pastimes.

"I came down here for golf," he said of his 1993 move to Hilton Head. "I haven't seen a golf ball in eight years."

Born: March 6, 1929

Married: Nov. 18, 1949, to Carole Clark

How they met: Became friends in college

Children: Seven children, 22 grandchildren and four great-grandchildren

Greatest life lesson: "Be fair in all your dealings"

Note: Bill Mottel has been on the CNTA Board of Directors for many years and as stated in this article, currently President of the SRS Heritage Foundation an off-shoot of CNTA.

(This story appeared in the Island Packet a Hilton Head Island newspaper in September, 2006)



ENERGY FORUM—SANTA MONICA, CA.—Mal was the invited pro-nuclear speaker at a community "Energy Forum" October 30, put on by a private school, The Crossroads School, which paid his expenses.

There were three speakers. Dr. Ann Bisconti (The Bisconti Institute) spoke on her nation-wide surveys of citizen attitudes about nuclear power. Mal spoke for twenty minutes on Energy Options for the future, emphasizing nuclear. Ms. Rochelle Becker then spoke against nuclear power. Mal was given three minutes to rebut Ms. Becker, and she the same. After a short break Mal and Ms. Becker answered questions from the audience for about 30 minutes.

The audience of about 130 was about equally split between adults and high school students. All the questions were good and thoughtful, without any apparent hostility.

We are pleased that CNTA is becoming so well known that we are receiving invitations like this.



Up & Atom Breakfast



On October 17, 2006, Dr. Tom Hinton, Senior Research Scientist with the University of Georgia's Savannah River Ecology Lab presented an interesting talk on the "Radiation Effects on Plants and Animals at Chernobyl."

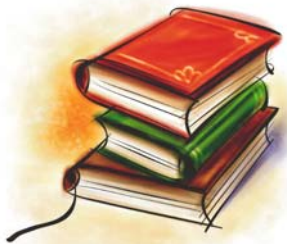
Tom specializes in the discipline of Radiation Ecology, a multi-disciplinary science that uses nuclear physics, chemistry, ecology, and toxicology to determine the risks of radioactive contaminants to humans and the environment.

After earning a Ph.D. in radiation ecology from Colorado State University in 1989, Tom went to the Paul Scherrer Institute in Switzerland for three years to study the Chernobyl accident. In 1992, he took a faculty position with the University of Georgia, and he continues to operate the few remaining radiation ecology laboratories in the United States.

Tom has consulted for the National Council on Radiation Protection and Measurements, and the United Nations Scientific Committee on the Effects of Atomic Radiation. His current research interests are on the remediation of radioactively contaminated lands, and the trans-generational effects of low-level, chronic exposure to radiation. Most recently, he served as a consultant for the International Atomic Energy Agency and helped develop a synopsis on the ecological effects of the Chernobyl accident.

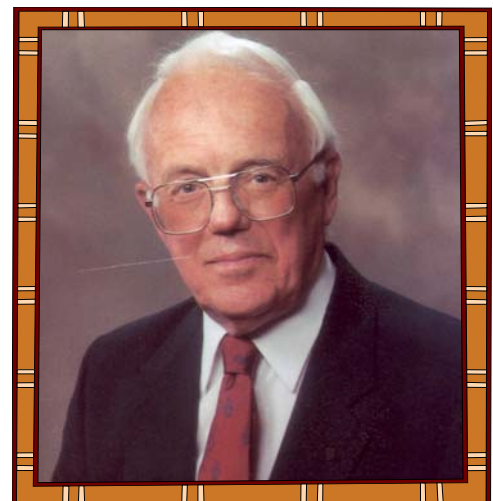
The attendees of the breakfast found his talk very interesting and came away with information about the Chernobyl accident and the aftermath that they did not know.

This was our last breakfast for 2006. We'd like to thank all members and guests who continue to support our Up & Atom series each year and we look forward to our 2007 series starting in January.



We have secured copies of William Bebbington's book titled the "History of DuPont at the Savannah River Plant." This is an excellent history of the Savannah River facility from 1950 to 1989. This book was published under the auspices of the DuPont Company in order that the true story be known.

Contact the CNTA office if you would like to purchase a book. The cost is \$30.00.



Dr. Bebbington currently lives at the Brandon Wilde on Owens Rd in Evans, GA.

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DID YOU KNOW....55% of electricity made in South Carolina is from nuclear plants.

A coal fueled power plant puts more radioactive in the atmosphere than a nuclear plant.

The total sales of radiation technologies in the U.S. is \$421 billion per year.

We have some new and old additions to our CNTA library. Some of our donations are from our members. If you have any type of artifacts, journals and/or books, please bring them to the CNTA office. Some items will be passed on to the SRS Heritage Foundation Museum.



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