



Citizens for Nuclear Technology Awareness
 “The Citizen’s Nuclear Voice”

CNTAWARE



CNTA Annual Report By Clint Wolfe

What’s Inside:

- Income/Expense Graphs
- Teller Recap
- Lots of Photos
- Blue Ribbon Remarks
- Slogan Winner
- Sponsors/Businesses
- Business Card Ads
- January Breakfast
- 20th Anniversary

Well, you have done it again. Through your support, CNTA has been able to influence public debate about nuclear energy and the Savannah River Site (SRS), and to further education initiatives related to science, technology, engineering and math (STEM).

We have attached a summary budget sheet showing that we ended the year with a small surplus in our checking account and that the \$30K endowment fund which we started this year has generated \$2K in additional asset value.

In addition to numerous letters to the editor, opinion editorials, breakfasts, dinners, a workshop for teachers, five \$1500 essay contest scholarships, two Robert Maher \$5K scholarships, sponsoring an interactive nucleus exhibit, a congressional visit to Washington, D.C. with CSRA community leaders, an active role in the Carolinas Nuclear Cluster (CNC), public speaking engagements, etc. , we were also invited to participate in a panel on reactor and fuel

cycle technology before the President’s Blue Ribbon Commission (BRC) in Washington, D.C. We were also slated to be on another BRC panel in early January, 2011 in Augusta and to offer public comment at a BRC meeting in Carlsbad, N.M.

We coordinated our Teller lecture and speaker with initiatives announced at the SRS to engage in collaborations with Small Modular Reactor (SMR) companies. We wrote in support of SRS, SMRs, the Mixed Oxide Fuel Fabrication Facility, recycling used nuclear fuel and maintaining H-Canyon as a national resource which could provide the capability to perform research, development and demonstrations of various recycling protocols.

As we look ahead to 2011, our 20th anniversary year, we see major challenges. While our influence is growing, even beyond the CSRA, federal budget constraints eventually impact our funding through our sponsors’ business prospects. We will have to expand our efforts

to generate support from commercial nuclear suppliers who are on the verge of major new opportunities. As always, the support of our individual members is crucial to our success.

Last year, we overcame a projected \$10K budget deficit and managed to generate a small surplus. This year the task is even more daunting as we are projecting a \$31K “management challenge.” This means that your support of functions like the golf tournament, the Teller lecture and maintaining or increasing your membership level take on added importance.

With your continued support we expect to have a great 20th anniversary year. Let’s enjoy it together!

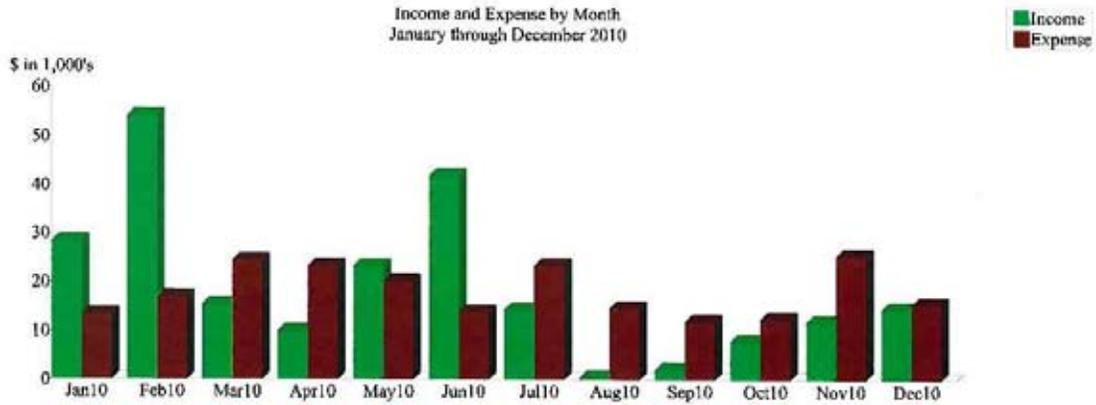


**January 01 to December 31, 2010
Year-End Financial Report for CNTA Executive Committee**

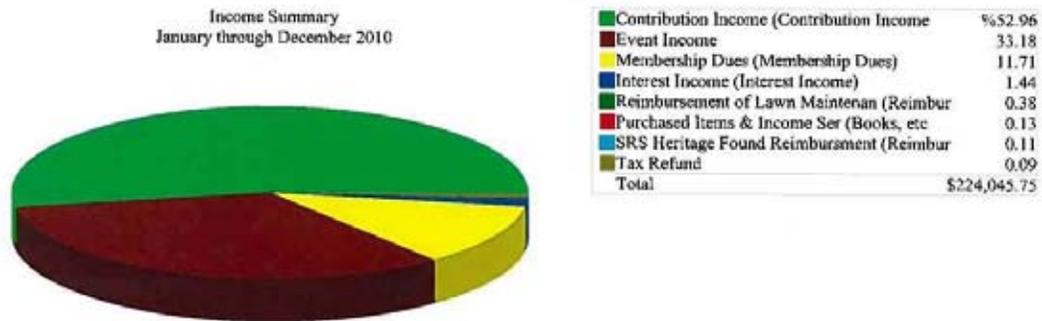
1/19/2011

	<u>Jan - Dec 10</u>	<u>Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense			
Income			
Reimbursement of Lawn Maintenance (Reimbursement from building tenants for their portion of lawn maintenance.)	860.00		
SRS Heritage Found Reimbursement (Reimbursement for newsletter)	236.00		
Contribution Income (Contribution Income)	118,650.00	136,835.00	86.71%
Event Income	74,343.69	65,500.00	113.5%
Interest Income (Interest Income)	1,606.65	1,500.00	107.11%
Membership Dues (Membership Dues)	26,245.00	28,000.00	93.73%
Purchased Items & Income Ser (Books, etc. & printing)	296.30	400.00	74.08%
Total Income	<u>222,237.64</u>	<u>232,235.00</u>	<u>95.7%</u>
Gross Profit	222,237.64	232,235.00	95.7%
Expense			
Civic Dues (Membership Dues to Civic Club)	720.00	300.00	240.0%
Meetings - D (Meetings - D)	220.48	500.00	44.1%
Mementos (Cups/Pens/Other Giveaway Item)	841.61	200.00	420.81%
Miscellaneous	347.40	1,000.00	34.74%
Office Supplies - C (Office Supplies)	10,326.22	14,150.00	72.98%
Postage & Shipping - B (Postage & Shipping - B)	847.93	1,800.00	47.11%
Printing & Publications - B (Printing & Publications - B)	285.24	500.00	57.05%
Professional Fees - A (Professional Fees)	3,071.75	3,500.00	87.76%
Programs and Miscellaneous - F (Programs and Misc - F)	63,831.77	75,250.00	84.83%
Rent & Utilities - C (Rent - C)	22,983.86	23,545.00	97.62%
Salaries, Taxes & Benefits (Salaries)	111,991.42	111,490.00	100.45%
Taxes	0.00	0.00	0.0%
Total Expense	<u>215,467.68</u>	<u>232,235.00</u>	<u>92.78%</u>
Net Ordinary Income	6,769.96	0.00	100.0%
Other Income/Expense			
Tax Refund	190.46		
Total Other Income	<u>190.46</u>		
Net Other Income	<u>190.46</u>		
	<u>6,960.42</u>	<u>0.00</u>	<u>100.0%</u>
Assets as of December 31, 2010			
CD	27,418.87		
Money Market	\$52,812.84		
Endowment Fund	32,021.80		
Checking Account	4,985.37		
	\$117,238.88		

Income and Expense by Month
January through December 2010

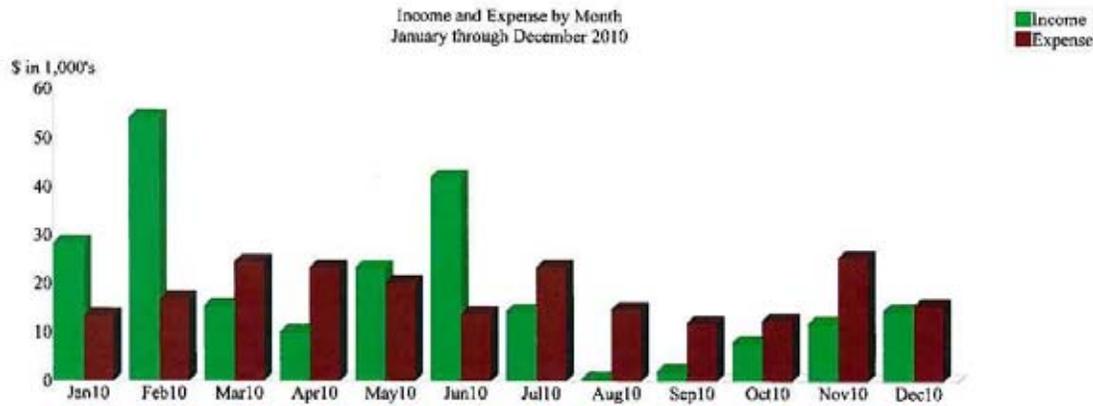


Income Summary
January through December 2010

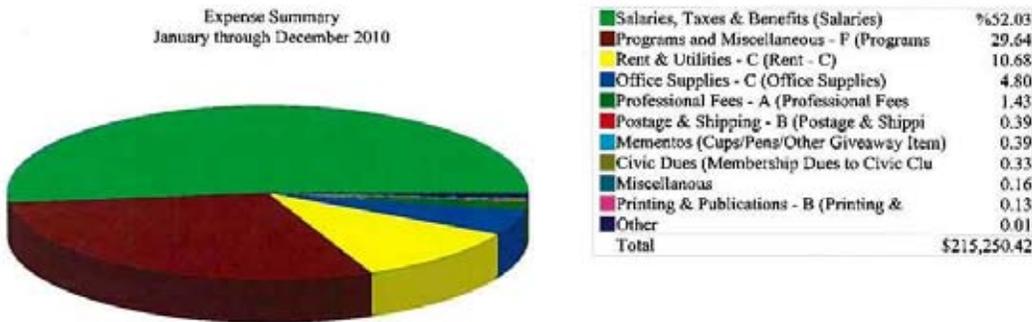


By Account

Income and Expense by Month
January through December 2010



Expense Summary
January through December 2010



By Account

TELLER RECAP



Mr. John R. (Grizz) Deal, CEO of Hyperion Power Generation was our featured speaker at the 19th Edward Teller Lecture/Banquet held in November. Grizz has over twenty years of experience in technology commercialization and fast growing ventures, in both product development and chief executive roles. Grizz was previously the managing director at Purple Mountain Ventures (PMV), serving a dozen international firms on product development, capital expansion, and marketing. Grizz also serves as a director of the U.S. National Lab Seed Fund, a venture capital fund focused on innovations developed by the U.S. Department of Energy laboratory complex. Grizz is the former TVC entrepreneur in residence with the U.S. Department of Energy/NNSA, visiting entrepreneur at Los Alamos National Laboratory (LANL), chief marketing officer for Space Imaging, the founder and former CEO of LizardTech, and a consulting scientist at LANL.

Grizz is a frequent speaker and writer on energy technology and policy, starting and growing advanced technology-based ventures, and issues in raising capital for such ventures. He is a member of the board of directors for the International Clean Energy Alliance, and serves on the boards of several PMV portfolio firms. Grizz has raised over \$200 million in risk capital for his ventures and holds graduate and undergraduate degrees in geography from Texas A&M University.

We had excellent attendance again this year with over 350 people.



Our Fred C. Davison Distinguished Scientist Award was won by Dr. Robert Sindelar. He is a Senior Advisory Scientist in Materials Science and Technology with 25 years experience at SRS. His contributions have been made in key areas: structural integrity and life management /extension in systems for nuclear materials production; safe interim management of spent fuel; disposal waste forms for nuclear fuel; and very long-term storage of commercial nuclear fuel. The U. S. Regulatory Commission has solicited Dr. Sindelar for the task of performing an analysis of the potential issues associated with the technical bases for safe dry storage of high and low burn-up commercial spent fuel for up to several hundred years.

In addition, he is a highly regarded and frequent consultant to the international Atomic Energy Agency and Department of Nuclear Energy. He has developed bases for handling and storage of “degraded” research reactor spent fuel which has been key to the success of the Foreign Research Reactor Fuel Return program. He continues to lead and consult on programs for SRS and the DOE complex for Life Management of nuclear systems, structures, and components that include high level waste storage, nuclear materials separations facilities, and spent fuel storage. He is currently leading the SRNL work on the science-based approach for waste form development, testing, and qualification for alloy waste forms for commercial spent fuel for the DOE Office of Nuclear Energy.

Robert Maher Memorial Scholarship—We had two winners this year for the scholarship. Initiated by Washington Savannah River Company in 2002 to honor Bob Maher for his 48 years of outstanding contributions to nuclear energy programs at SRS. At the time of his death, he was the Vice President and General Manager of Strategic Planning and Mission Development. He was a tireless and able manager who died September 14, 2002.

The scholarship is now sponsored by Savannah River Remediation. The purpose of the scholarship is to provide an annual \$5,000 scholarship to a student who has demonstrated outstanding college level academic achievement in nuclear science/engineering.

This year we had two winners; Candice Hampton, a Junior at SC State and Ryan Harris a Junior at Clemson University. Both hope to have careers in Nuclear or Mechanical Engineering.

CNTA High School Essay Contest—This is a \$1500 prize; \$1000 to the winning student and \$500 to the student's school. The purpose of the contest is to promote a better understanding of nuclear technology among high school students. In 2010, we awarded 5 students because of the generosity of Mr. & Mrs. Thomas Varallo, Dr. Susan Wood, Dr. Clint & Ginny Wolfe and CNTA. The winners are: *Genna Wyrick from Lexington High School, Jackie Rodriguez, Aubrie Fleming, Christina Snyder and Monica Riddlehoover from Evans High School.* We hope to expand the contest to more students for the 2011 contest. *If you'd like to be a sponsor, contact the CNTA offices at 803-649-3456.*

Photos.....





Our guest speaker, Grizz Deal giving his talk on the need for Small Modular Reactors at the 19th Annual Edward Teller Lecture/Banquet....crowd of over 350 people.



CNTA's Board Chair, Dr. Susan Wood, hostess for the evening program.



We had two Robert Maher Memorial scholarship winners for 2010 sponsored by Savannah River Remediation, (SRR). A big thank-you to SRR for sponsoring two winners this year! Ryan Harris and his parents. Ryan, a junior at Clemson University and Candice Hampton a junior at SC State. Both students hope to have careers in the nuclear or mechanical engineering field.



Dave Olson, Operations & Deputy Project Manager at SRR congratulated the winners of the scholarships.



Above photo: Dr. Terry Michalske, Director of SRNL presents the 2010 Fred C. Davison Distinguished Scientist Award to Dr. Robert Sindelar.

Dr. Sindelar and his wife, Dawn. →



Dr. Clint Wolfe, Executive Director of CNTA giving closing remarks to a wonderful crowd.



Camera crew from Dan Rather Reports, covering the event and should be available on HDNet .

Some of our guests enjoying the evening.....



Blue Ribbon Commission Remarks given at Carlsbad, New Mexico in January, 2011

Good afternoon. My name is Clint Wolfe. I am the Executive Director of Citizens for Nuclear Technology Awareness (CNTA) headquartered in Aiken, S.C. I am also the chairperson of the Public Policy task force for the Carolinas nuclear cluster.

The last time I visited Carlsbad I toured the Waste Isolation Pilot Plant (WIPP) facility as a member of the Technical Advisory Panel to the Department of Energy's Plutonium Focus Area. I chaired that panel in the late 1990's as we labored over the appropriate disposition paths for various plutonium materials and residues. At the time the facility seemed to be the ideal repository, but even its biggest boosters probably would not have predicted the performance record that has been established here.

Any plan, any concept, any solution to any problem can be improved upon, so it is frustrating that the U.S. has still not moved to close the fuel cycle as we debate the perfect solution. We have proven we can safely recycle fuel, and with some research and development and demonstration we can improve those processes. We can deal with the waste from those processes effectively as evidenced by the 3,000 canisters of borosilicate glass encasing Defense Waste Processing Facility waste at the Savannah River Site (SRS) in Aiken, S.C. We have at least two candidate locations for disposition of that waste.

Yucca Mountain has been scrutinized by more than 60 separate scientific studies, all of which have found the repository suitable for its intended purpose. WIPP opened for business in March of 1999 and continues to execute its mission with little fanfare.

Aiken and Carlsbad could make quite an effective team. The SRS has been recycling nuclear materials for nearly 60 years and they have been vitrifying the waste from these processes for 15 years while the WIPP facility has been safely storing transuranic waste for nearly 12 years. If Yucca Mountain is off the table, WIPP could do the job. The American taxpayer has a tremendous investment in SRS and in WIPP. We could use these two existing investments to close the nuclear fuel cycle.

If the good people of Carlsbad and its environs want partners in helping America deal with this most important issue I'm sure you will find them among the good people of Aiken.

NOTE: Go to the CNTA website: WWW.C-N-T-A.COM TO SEE THE SUBCOMMITTEE TESTIMONY THAT CLINT GAVE IN WASHINGTON, D.C. AND THE AUGUSTA, GA. HEARING. It's under Events, scroll down to Special Events. Or if you would like to view the complete testimony go to: WWW.BRC.com



Waste Isolation Pilot Plant (WIPP)



Mining is continuous to carve disposal rooms out of the Permian Salt Formation

WINNERS ANNOUNCED FOR THE SLOGAN CONTEST:

**BILL & LAUREN WABBERSEN GET 1ST
PLACE: THEIR SUBMITTAL WAS "THE
PATH TO KNOWLEDGE BEGINS WITH
AWARENESS"**

**2ND PLACE WINNER: CHARLES NEILL HE
SUBMITTED "NUCLEAR, YOUR INFORMED
CHOICE"**

20 YEAR ANNIVERSARY

**Theme: "20 Years of promoting the benefits of
nuclear technologies through the eyes of the
citizens."**

- Winner: One year benefactor
membership in CNTA**
- Runner-up: One year sustaining
membership in CNTA**

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- Nuclear Production Processes
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Brenda J. Mikkola
CEO

Office: (803) 644-0070
Cell: (803) 645-4098
Fax: (803) 644-0066
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BREAKFASTS



Mr. Doug Dearolph is the Manager for the National Nuclear Security Administration's (NNSA) Savannah River Site Office₃ (SRSO). In this position, which he has held since January 2009, he manages and is responsible for all Defense Programs at the Savannah River Site. The SRSO is responsible for contract administration and oversight for Tritium Programs that are performed by the Savannah River Nuclear Solutions, LLC, in support of maintenance and surveillance of the U. S. nuclear weapons stockpile.

Mr. Dearolph is a veteran of the U.S. Navy nuclear propulsion program where he completed both division officer and department head tours aboard nuclear submarines while supervising pressurized water reactor operations. Mr. Dearolph completed certification as a Chief Nuclear Engineer by the Naval Reactors Branch of the DOE and completed his career from the U.S. Navy Reserves in 2002.

A native of Pensacola, Florida, Doug received a B. S. degree in mathematics from the University of South Carolina, and a Masters in business administration from Georgia State University. Mr. Dearolph is a 2008 Graduate of the Naval War College, earning a Master of Arts in National Security and Strategic Studies. He and his wife, Pris, have two grown sons and currently reside in Grovetown, Georgia.

Mr. Dearolph gave his talk about the NNSA mission at the site on September 29th at Newberry Hall.



Mr. Christensen was named Chief Executive Officer of EnergySolutions in February 2010. Prior to being named CEO Mr. Christensen served as President and General Counsel. He joined EnergySolutions in May 2006 and served until December 2008 as Executive Vice President and our General Counsel and Corporate Secretary.

From 1989 to 2006, Mr. Christensen served in various executive positions at FranklinCovey Co., eventually as Executive Vice President, General Counsel and Secretary as well as being a director. Prior to that, he was a partner at the law firm LeBoeuf, Lamb, Leiby & MacRae, where he handled commercial litigation and general business matters in the firm's Salt Lake City office from 1986 to 1989. Mr. Christensen is a director of Dynatronics, Inc.

He received a B.A and J.D. from Brigham Young University in Provo, Utah. Mr. Christensen lives in Salt Lake City with his wife Lauralee Christensen.

Mr. Christensen's talk was on "Trust, the great differentiator" to a large crowd on January 13th at Newberry Hall.



"The Citizens Nuclear Voice"

1204 Whiskey Rd, Ste B
Aiken, SC 29803

Phone: 803-649-3456

Fax: 803-649-3860

E-mail: cnta@bellsouth.net

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20 YEAR CELEBRATION OF CNTA

By Wayne Rickman, Committee Chair

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.

"The Path to Knowledge Begins with Awareness"