



# CNTA aware

Summer 2004

## A NEW CHAIR OF OUR BOARD OF DIRECTORS



**B**ecause of the very sad passing of our Board Chairman, Dr. Fred C. Davison (see pg. 5), the Nominating Committee conducted a search for a new chair. We are delighted to report that the position was offered to Dr. Susan Wood, who graciously accepted.

Susan is very well qualified by education, experience, and interest for this position. She was a native of Yorkshire, England and obtained her B.Sc in Physics from Manchester University. She then came to the U.S. and obtained an M.S. degree in Metallurgical Engineering and a Ph.D. in Materials Engineering from the University of Pittsburgh.

Fresh out of school, she joined Westinghouse, first in the Westinghouse R&D Center in Pittsburgh. Then with Westinghouse Electronic Systems in Baltimore. She spent twelve years in Materials R&D for fusion, breeder, and light water reactors. She was Director of the Savannah River Technology Center for eight years, retiring in October 2002 to live in Aiken and pursue her hobbies, gardening, landscaping, hiking, travel and working with clay.

Dr. Wood was selected as the first Distinguished Alumna of the University of Pittsburgh School of Engineering in 1997, where she continues to serve as an external advisory board member.

She also received the Society of Women Engineers' 1997 Upward Mobility Award and the Federal Laboratory Consortium for Technology Transfer's 1999 Laboratory Director of the Year Award. In 2001, the Savannah River Chapter of the National Management Association (NMA) named her Executive of the Year, and in 2002, she received the Distinguished Scientist Award from the Citizens for Nuclear Technology Awareness (CNTA).

She has previously served on the DOD Defense Science Board and as a mentor for the Defense Science Study Group (DSSG) at the Institute for Defense Analyses. She was appointed by the Governor of South Carolina to serve on the Technology Council in 1997 and in 2001 to serve on the Technology Transition Team Steering Committee. She is a past member of the Board of Directors for the Women in Engineering Program Advocates Network (WEPAN) and is an active role model for engaging young women in the engineering professions. Locally, she continues to participate in the "Introduce a Girl to Engineering" Day at the Ruth Patrick Science Center. This annual event is organized by a group of women engineers and scientists at SRS. She currently also serves on the Board of Trustees for the South Carolina Research Authority (SCRA).

Susan stated "*Nuclear technologies play an ever increasing role in our lives. They provide the electrical power we depend on daily, help maintain our health through diagnostics and treatment, and continue their role in our National Defense. As regional demographics continue to change, CNTA's roles as an independent voice and educator on these technologies are important ones. Each of us has a responsibility to communicate the facts to our friends, neighbors and colleagues. I am both pleased and excited to have the opportunity to help guide CNTA on its mission in this fast changing environment.*"

CNTA is privileged to have Dr. Wood as our Chair, and we look forward to working with her to expand CNTA's activities and sphere of influence.

OUR EMAIL HAS CHANGED TO:

[cnta@bellsouth.net](mailto:cnta@bellsouth.net)



### WHAT'S INSIDE

<b>Economic &amp; Social Impact Figures</b>	2
<b>SRS Heritage Center</b>	2
<b>Golf Tournament</b>	2
<b>New Treasurer</b>	2
<b>Membership Listing</b>	3 & 4
<b>Tribute to Fred Davison</b>	5
<b>Teller Lecturer Update</b>	6



### UP AND ATOM BREAKFASTS— MARK YOUR CALENDARS FOR ....

September 21—Preston Rahe, Jr. is President of Washington Group International's Energy & Environment Operating Unit based in Aiken. He will be our guest speaker for the September breakfast to be held at Newberry Hall at 7:30 a.m. If you'd like to join us, please call the office to make your reservation.

**THE SAVANNAH RIVER SITE ECONOMIC & SOCIAL IMPACTS**

Recently WSRC released the 3rd Edition of "The Economic Impact of the Savannah River Site on South Carolina and Georgia". It shows that the economic and cultural value of the site is very large in several CSRA counties. It also shows what we already knew, that declining employment is reducing the site's impact, and will continue to do so for some time. Below we include some of the interesting data from this report.

**TOTAL EMPLOYMENT**

SEPTEMBER, 1987—16,642  
 SEPTEMBER, 2003—13,300

**AVERAGE SALARY**

1987-88—\$32,956  
 2002-03—\$69,649

**EMPLOYEE BY EMPLOYER—  
 SEPTEMBER, 2003**

DOE	432
WSRC	11,894
USDA	70
SREL	153
WSI	740
OTHERS	40
TOTAL	13,300

**TOTAL: DIRECT PLUS INDIRECT WAGES, PROCUREMENTS**

2002-2003—\$2.36 BILLION

**DOLLAR IMPACT BY COUNTY**

AIKEN	\$1,102 M
ALLENDALE	\$34 M
BAMBERG	\$46 M
BARNWELL	\$159 M
EDGEFIELD	\$58 M
RICHMOND	\$332 M
COLUMBIA	\$337 M
BURKE	\$30 M

(Information compiled by CNTA, based on information available from the Department of Energy and Westinghouse Savannah River Company, July 2004)

**SRS HERITAGE CENTER**

CNTA decided several years ago to pursue the creation of a museum and visitor center for SRS to preserve the very important contribution that SRP/SRS played in winning the cold war. Walt Joseph, with help from Todd Crawford, created a committee and went to work. It now appears that the "SRS Heritage Center" will become a reality. The committee is developing plans to establish a nonprofit "SRS Heritage Foundation" that will obtain funding, create exhibits, and direct the operation of the center. The historical importance of the Site is best understood by recalling the war-time urgency that the national felt in 1949 when Russia exploded a nuclear weapon. The nation was shocked, and President Truman had no choice but to confront Soviet Union's openly aggressive intent.

SRP was the major U.S. step in that confrontation. President Harry Truman asked the DuPont Company to design, build and operate a facility to produce nuclear materials mainly tritium and plutonium for the "super" (hydrogen) bomb. The first public announcement of the Site was made in November 1950 and ground was broken in February 1951. The first production reactor was taken critical in December 1953. The unprecedented construction project employed up to 38,582 workers in building more than 200 buildings on the 300-square-mile Site.

The Site succeeded in meeting the challenge, and the way it did that is historically significant. Not only did the Site meet every product shipment, on time and within quality specifications, but did it with an unprecedented safety record and with environmental stewardship that was decades ahead of its time.

That story will be told at the SRS Heritage Center.

*Continued on next column.....*

The committee currently is building public support, networking with other organizations promoting heritage tourism, and working with the US Department of Energy, the South Carolina State Historic Preservation Office, and other interested parties. Appropriate SRS structures and artifacts are being saved. We are working with historic preservation architects to develop siting options and estimate future costs of the project.

Phase one will create the SRS Heritage Center at the edge of the Site. The Heritage Center will be readily accessible for the public and will attract visitors from both the Discovery Route and the Nature Route of the nearby South Carolina National Heritage Corridor. The Center also will host special events for students and scholars and showcase current technologies developed by the Savannah River National Laboratory.

Phase two will offer public tours of C Reactor. C Reactor is a signature facility of the Savannah River Site. Tours led by the Heritage Center staff will provide a hands-on glimpse of the leading edge of nuclear technology in the 1950's.

**NEW CNTA TREASURER**



Paul Rideout is an Aiken native who obtained a business degree from Clemson University. He has had twenty-one years of banking experience and as a controller for corporations. He has always been active in community affairs, serving in Chambers of Commerce, Rotary, Kiwanis, and the American Heart Association. Paul now is Vice President and Commercial Loan Officer for Security Federal Bank in Aiken. Paul's addition to our Board will strengthen our financial position as we grow into the future.

**CNTA'S ANNUAL CHARITY GOLF TOURNAMENT—GREAT SUCCESS!!**



CNTA's Annual Charity Golf Tournament was held Friday, August 6th at the Houndslake Country Club. We had 95 golfers try their hand at Captain's Choice shotgun start event. The weather was beautiful and everyone had a great time.

1st place—Tommy Carpenter, Lee Prather, Chuck Tuten and Jerry Daniels.

2nd place—Ryan Lents, Kevin Gallahue, Terry Rice, and Gary Thornton

3rd place—Tommy Sanderson, Dan Ballard, John Phillips and Sandra Burton

Last place—Tim Huffman, Doug Kennedy, Bruce Hickman, and Scott Gordon

With \$5300 in prizes, many people won pizzas to weekend getaways. One of the grand prizes were six days at Bent Creek Golf Resort in Gatlinburg, Tn. worth \$2500.

**Plans are already in the works for another outing in the spring. Join us for our Spring tournament. It will be bigger and better.**

**CNTA Welcomes New Board Members**

Ralph Byington-Head-School of Business, University of South Carolina  
 Frank Shallo-Vice President, Cogema, Inc.  
 Dean Sackett-Retired Rear Admiral  
 Ginney Allen-Staff member of

# Tribute to Fred Davison

**O**n April 28 of this year Dr. Fred C. Davison passed away after battling esophageal cancer for several months. He received the best possible medical care from M. D. Anderson Hospital in Houston and University Hospital in Augusta, but the cancer, when detected had advanced too far.

Fred was Chairman of CNTA's Board of Directors from 1994 until his death. It is no exaggeration to say that Fred's stature and influence were largely responsible for CNTA's growth and success during those ten years.



Fred attended Emory University before obtaining a veterinarian degree from the University of Georgia and, later a PhD in Biochemistry and Pathology from Iowa State. While in Veterinary School he met Dianne, who became his beloved

wife. Dianne also obtained her Veterinarian degree.

Fred was one of those very rare people who was admired and loved by everyone privileged to know him. He was a leader in the very best meaning of the word. He had enormous intellect, yet empathized with, and befriended, everyone regardless of station. His friendly demeanor and great humor were ever present, and graced every meeting with him.

After Fred's retirement from the University of Georgia he moved to Augusta, and almost immediately became a highly effective community leader. He was President and Chief Executive Officer of the National Science Center Foundation, funding innovative secondary education in

science and mathematics. He was President of the Georgia-Carolina Boy Scouts Council. He was an active Rotarian, and an elder of Reid Memorial Presbyterian Church where he taught an Adult Sunday School class.

Much has been said and written about Fred's enormous contributions to his alma mater, The University of Georgia, where he served as President for 19 years. Under his leadership student enrollment grew from 15,600 to 25,000, and graduate enrollment more than doubled. During this time the university became known for its growth in technical research. He viewed enhanced education in Math and Science as important to the future of our nation. Everyone who knew Fred was pleased that before his death he was able to attend the dedication of the Fred C. Davison Life Sciences Complex in Athens, a 257,000 square foot facility where biotechnology research will be conducted.

Because of Fred's enormous contributions to CNTA, we wanted to find an appropriate way to honor his memory. After some discussion the Board of Directors determined that henceforth our annual Distinguished Scientist Award will be known as the Fred C. Davison Distinguished Scientist Award. We believe Fred would be pleased by this, because he believed that our recognition of outstanding local scientists was an important thing to do.





1204 Whiskey Road  
Suite F  
Aiken, SC 29803

Phone: 803-649-3456  
Fax: 803-649-3860  
Email: [cnta@bellsouth.net](mailto:cnta@bellsouth.net)

WE'RE ON THE WEB!!  
[WWW.C-N-T-A.COM](http://WWW.C-N-T-A.COM)

**"What Makes CNTA Special"**

- Largest grassroots organization in nation promoting beneficial nuclear technologies
- Supports new missions for SRS
- Recognized by media as source of factual, objective information on nuclear subjects
- Speakers Bureau has expert speakers on a wide variety of topics



## UPDATE ON THE TELLER LECTURE/BANQUET :

**Edward Teller Banquet/Lecture**—We have a speaker, location and the date Dr. Henry Wagner, Jr., M.D., is considered a founder of nuclear medicine and has trained hundreds of physicians in nuclear medicine techniques for diagnostics and treatment. He has promoted nuclear medicine at key U.S. teaching and research centers around the world, including, his own Johns Hopkins School of Medicine, where he continues to serve as a professor. He has won many awards and honors in this field.

The Teller Lecture/Banquet will be on November 18th, 2004 which will be held at the Augusta Towers Hotel (formally the Sheraton) this year. A VIP and General Reception will take place before the banquet and lecture.

### CNTA MEMBERS

We're looking for historic or good reference books regarding anything nuclear related for our library. Your donation would be tax deductible. Here are couple examples of what we already have in our library: Members are welcome to visit our library during business hours.

*Nuclear Physics—1950, A Course Given by Enrico Fermi*  
*The Personal Diaries of Crawford Greenwalt, The Manhattan Project.*  
*Memoirs-A 20th Century Journey in Science & Politics, Edward Teller*

PRESORTED STANDARD  
U. S. POSTAGE PAID  
AIKEN, SC 29801  
PERMIT NO. 75

