

SRS HERITAGE FOUNDATION

NEWSLETTER

October, 2017



Robot Exhibit Arrives in Museum

The robot exhibit has arrived at the SRS Museum. The special exhibit includes three historic robots that were used in SRNL development studies during the 1980's and 1990's and the "Jabberwock" "Battlebot" that was featured on TV in 2001 and 2002.

The three historic SRNL robots include Alvin, Simon and Hornet II. Alvin (Autonomous Laboratory Vehicle with Intelligent Navigation) was purchased in 1986 and upgraded to study robots capable of following a programmable path. Simon (Semi-Intelligent Mobile Observing Navigator) was purchased in 1989 and modified to become the successor to Alvin for contamination monitoring in radiologically controlled areas, thereby reducing radiation exposure to Health Protection Inspectors. The Mark II Hornet was a rugged tracked vehicle, purchased in the 1980's to perform remote inspections of the contaminated sand filters in the Separations Areas.



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The “Jabberwock” robot was built and campaigned by a team of mostly SRS engineers for contests on television. “Jabberwock finished in the top 16 of more than 100 fighting robots in 2001 and won three fights in 2002 only to lose in the sweet 16 round.

The robots will be on special exhibit during Nuclear Science Week, October 16- 21 from noon until 4:00pm, and presentations by student robotics teams from area schools will take place from 5:00 to 7:00pm on Monday through Thursday of that week.



"ATOMS IN THE ALLEY" PARTY PLANNED



The Savannah River Site Museum will host the first annual **"Atoms in the Alley" block-party** at the conclusion of Nuclear Science Week October 21. This family fun party will be preceded by the ribbon-cutting for the fallout shelter, described in the following article. Live music for the block party will be provided by the group, Kool Katz, from 5:30 to 8:30. A series of educational and craft vendors will be set up in the Alley, gift baskets will be auctioned and special refreshments will be available. At 8:30, the feature-length romantic comedy, "Blast from the Past" will be shown. The comedy was released in 1999 and set during the Cuban Missile Crisis in 1962. It tells the story of a family living in an elaborate fallout shelter for more than 20 years and their hilarious adventures when they finally venture out to the real world. **Attendees should bring their own lawn chairs for movie viewing.**

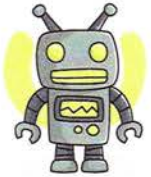
**COME HELP US ENJOY A FUN
EVENT CELEBRATING THE
AREA'S NUCLEAR HISTORY.**

2017 Nuclear Science Week
A Celebration of Our Nuclear History

THE ROBOTS ARE COMING!

October 16 - 21, 12 - 4 pm

Discover the robots that once worked at Savannah River Site. With actual robots in place, visitors will learn all about the important role they played at the Site.



October 16 - 19, 5 - 7 pm

Students from across the region will showcase their robots. Come learn more about the new generation of robotics enthusiasts!

Come see the progress at the SRS museum while discovering our Site's history on display!

224 Laurens Street, Aiken
(803) 648-1437



Savannah River
NUCLEAR SOLUTIONS™

NWI NUCLEAR
WORKFORCE
INITIATIVE
Growing Our Own Through Collaboration
AND COMMUNITY EDUCATION

PARSONS



ATOMS IN THE ALLEY

Downtown Aiken, Saturday, October 21, 5PM



Join this fun, family friendly event celebrating Aiken County and the surrounding area's nuclear history! Events will include science related demonstrations, live music, vendors and a movie!

5:00 PM - Ribbon Cutting at the Fall-Out Shelter exhibit
(Park Avenue - Between Laurens and Newberry Street)

5:30 - 8:30 PM - LIVE Music by The Kool Katz - and Vendor Fair
(The Alley In Downtown Aiken)

8:30 PM - Bring Your Lawn Chair for a Screening of

BLAST FROM THE PAST

Hosted by the Savannah River Site Museum

"Blast from the Past"





Special Museum Openings Celebrate Nuclear Science Week

Monday, October 16, noon to 4:00 pm	Student Robotics teams, 5:00 to 7:00 pm
Tuesday, October 17, noon to 4:00 pm	Student Robotics teams, 5:00 to 7:00 pm
Wednesday, October 18, noon to 4:00 pm	Student Robotics teams, 5:00 to 7:00 pm
Thursday, October 19, noon to 4:00 pm	Student Robotics teams, 5:00 to 7:00 pm
Friday, October 20, noon to 4:00 pm	
Saturday, October 21, noon to 4:00 pm	
Friday, November 3, noon to 4:00 pm	
Saturday, November 4, noon to 4:00 pm	
Friday, November 17, noon to 4:00 pm	
Saturday, November 18, noon to 4:00 pm	
Friday, December 1, noon to 4:00 pm	
Saturday, December 2, noon to 4:00 pm	
Friday, December 15, noon to 4:00 pm	
Saturday, December 16, noon to 4:00 pm	

Fallout Shelter Ribbon-Cutting Scheduled



FALLOUT SHELTER

A new fallout shelter exhibit is being installed in the Park Avenue parkway at the intersection with Laurens Street, at the site of the Aiken City fallout shelter. The fallout shelter was built about 1960, during the height of the Cold War, as a demonstration project by the US Office of Civil Defense. The shelter has been abandoned in place for many years but ongoing renovation of the Aiken parkways has given impetus to recognition of this Cold War landmark.

A series of three informative panels has been created by New South Associates, using information gathered by the Curation Facility at the Savannah River Site and the newly-opened Savannah River Site Museum at 224 Laurens Street SE, located one-half block south of the fallout shelter exhibit.

The exhibit has been installed by the City and will be dedicated with a ribbon-cutting ceremony at 5:00 pm on Saturday, October 21st. The ceremony will be attended by Aiken Mayor Rick Osbon, Aiken Chamber of Commerce CEO David Jameson, Director of the DOE Savannah River Operations Office Jack Craig and the SRS Heritage Foundation Executive Director Walt Joseph. **The public is invited to attend the brief ceremony.**

SRS at Sixty

By Art Osborne



Appreciation and understand the Savannah River Site Story, one must recall and reflect on the world events that were occurring between 1945 and November 1950 when the construction of the Site was announced. This chronology begins with the atomic bombs dropped on the Japanese empire to bring WWII to a successful conclusion on August 14, 1945. This action saved untold thousands of (both allied and Japanese) lives and signaled the beginning of the Nuclear Age. The world was shocked and amazed at the same time. The path forward for nuclear power became a major national and world issue and political topic.

The decision was soon made that the control of nuclear power would be vested in the civilian side rather than the military and the Atomic Energy Commission (AEC) was created and immediately took control from the Manhattan Project. There were also discussions about creating an international agency with controlling authority through the newly formed United Nations. However, it was soon evident that Russia

would not stand for this and the idea was nixed. It was also apparent that Russia intended to expand their control over the majority of Eastern Europe. The purpose of the USSR was made clear to the world when Winston Churchill proclaimed in 1946 "from Stettin in the Baltic to Trieste in Adriatic, an iron curtain has descended across the continent" At this point America reasoned that we had about a nine year lead over the USSR in nuclear weapons. U.S. atomic tests were being conducted in the Marshall Islands' Bikini Atoll in the Pacific Ocean. The estimated U.S. nuclear arsenal was about 50 weapons.

President Truman then established and announced the Truman Doctrine which stated the policy of the United States is to support people who are resisting subjugation by armed minorities or outside pressures. This came to be seen as the policy of containing Communism. 1949 saw the communists gain control in China. The seminal event took place on August 29, 1949 when the USSR exploded their first atomic bomb. Analysis showed this weapon to be nearly identical to the weapons that brought WWII to an end. The cold War and arms race were born and the US lead was nonexistent.

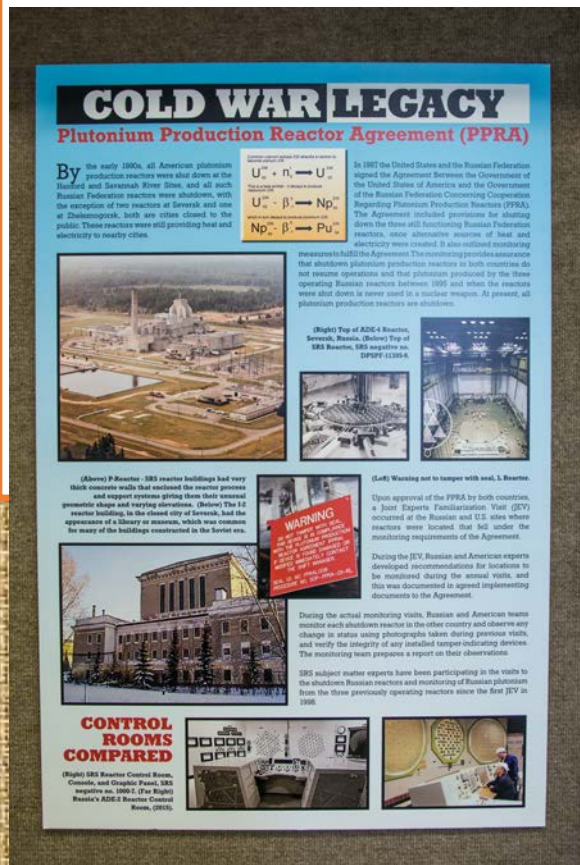
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1950 saw major events and decisions on an almost monthly basis. In January President Truman announced that the atomic energy program would be accelerated on an urgent basis. He also approved the work to proceed with the development of the Hydrogen bomb. These decisions were followed by the AEC selecting heavy water moderated reactors for the production of nuclear materials. These type reactors would provide the large capacity needed to produce the estimated amounts of Plutonium and Tritium that would be needed. The mood of the country at this time was apprehensive and certain that we must prevail in the expected coming confrontations the USSR. With the raging Korean War and the Berlin Blockade fresh on peoples' minds a tone of national unity and determination was set.

June 12, 1950 the AEC formally asked the DuPont Corporation to locate, design, construct and operate a nuclear materials production facility. At DuPont's request on July 25, 1950 President Truman formally asked DuPont to accept the project and perform the task. On October 17 the President of DuPont,

Crawford Greenewalt accepted the project on a cost plus \$1.00 fee payable at the end of the contract. This end turned out to be 1987. In November, 1950 the Savannah River Plant Project was announced and unparalleled opportunity, growth and change descended on the CSRA.

**WHEN
WILL
RUSSIA
HAVE THE
ATOMIC
BOMB?**



City Council Authorized Hospitality Tax Contribution

On October 9th, Aiken City Council committed \$60,000 of 2017-2018 Hospitality Tax funds to the SRS Museum, The Center for African American History, Art and Culture and the Aiken Visitors Center and Train Museum. The Hospitality Tax monies are to be used for 'bricks and mortar' projects and will be reviewed annually as part of the budget preparation process. The Foundation will invest our \$20,000 share of this money toward design and construction of the elevator and stair well providing access to the second floor of the Museum.



SRS Museum

THANKS TO OUR SRS HERITAGE FOUNDATION SPONSORS

2016

We are please to recognize our sponsors
who have made substantial contribu-
tions to Foundation programs.

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*A special thank you to the
individual members for their
continued support of the Foundation*



LIKE US ON FACEBOOK! We will be posting news and tidbits dur-
ing these exciting times of Foundation progress. The SRS Heri-
tage Facebook page is open for business. Please join us at [http://](http://www.facebook.com/srs.heritage)
www.facebook.com/srs.heritage. And don't forget the news and
archives at the website, <http://www.srsheritage.org/> or check out
the srsmuseum@aikencounty.gov

DON'T MISS OUT ON ALL THE GREAT NEWS AND EVENTS THAT ARE
COMING....JOIN TODAY...(use this form to become a member)



SRS HERITAGE FOUNDATION MEMBERSHIP APPLICATION

I would like to become a member of the SRS Heritage Foundation in the following level. (Please Check One)

<i>Benefactor</i>	<i>\$120.00</i>	<input type="checkbox"/>
<i>Patron</i>	<i>\$ 60.00</i>	<input type="checkbox"/>
<i>Sustaining</i>	<i>\$ 35.00</i>	<input type="checkbox"/>
<i>Student</i>	<i>\$ 15.00</i>	<input type="checkbox"/>
<i>Small Business</i>	<i>\$ 250.00</i>	<input type="checkbox"/>
<i>Corporate Member</i>	<i>\$1,000.00</i>	<input type="checkbox"/>
<i>Corporate Sponsor</i>	<i>\$5,000.00</i>	<input type="checkbox"/>

*I would be willing to help with Publications____, Membership____,
Fundraising____, Publicity____, other____*

This membership is valid through December 2018

Name:
Address:
City, Zip Code:
Phone:
Email (s):
Fax #:

*My check, made out to the SRS Heritage Foundation, Inc. is enclosed. Contributions to the
Foundation are tax exempt. Federal ID#20-1629370*

Please mail to:

SRS Heritage Foundation, Inc.

P.O. Box 2226

Aiken, SC 29802

Phone: (803) 226-0116 or 648-5634

Email: SRSHeritageFoundation@gmail.com or qualityprt@aol.com

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