National Park Service
Department of the Interior

Manhattan Project National Historical Park
Oak Ridge, Tennessee

February 2019

Manhattan Project History in February

- Philip Abelson began working on uranium enrichment at the Naval Research Laboratory using liquid thermal diffusion in February 1941. The construction of his thermal diffusion plant in Philadelphia began until January 1944. This same process would be used later at the S-50 plant in Oak Ridge.
- Glenn Seaborg and Edwin McMillan discovered plutonium-239 on February 24, 1941. They later shared a Nobel Prize in Chemistry for their discoveries in the chemistry of the first transuranium elements.
- Construction of Y-12 and X-10 began to take place in Oak Ridge in February 1943. Stone and Webster Engineering was in charge of Y-12 construction while DuPont handled X-10.
- One year after construction began, Y-12 was able to send 200 grams of uranium-235 to Los Alamos in February 1944.
- On February 16, 1944, George Kistiakowsky replaced Seth Neddermeyer as leader of implosion research in Los Alamos.

There will be Free Admission On Opening Day of the "Before the Secret" Photography Exhibit.

We Want to Show Our Love for Our Volunteers! We have a strong and dedicated group of volunteers, and on Valentine's Day, Manhattan Project NHP and the American Museum of Science and Energy (AMSE) will host a special event just for our volunteers. The event will be held in the AMSE auditorium (115 Main St.) from 3:30-5:00 p.m. (ET). Volunteers are invited to bring their special someone to the event.

In Honor of Black History Month, the National Park Service and Oak Ridge History Museum will be Hosting "Atomic Integration", a Photography Exhibition focusing on African-American life during the Manhattan Project in Oak Ridge. The exhibit will open on February 8 and will be open every Friday and Saturday at 102 Robertsville Rd.

A New Photography Exhibit, "Before the Secret," Opens Thursday, February 14, at the Children's Museum of Oak Ridge. The exhibition focuses on life in the Oak Ridge area before the Manhattan Project.

We're Partnering with Children's Museum of Oak Ridge (CMOR) and Girl Scouts of USA to Celebrate 76 Years of Girl Scouts in Oak Ridge on Saturday, March 9. The event begins at 10 a.m. (ET) at CMOR and individual Girl Scouts and/or troops are welcome to participate in peace themed hands-on activities until 3:30 p.m. CMOR admission will be free to any Girl Scout in uniform and their immediate family.

Save the Date (Saturday, March 16) for a National Park Service film festival at the American Museum of Science and Energy.

We Just Marked One Year at Our New Visitor Center Location in the Children's Museum of Oak Ridge at 461 W Outer Dr. If you haven't stopped by and said hello to a ranger yet, now is the time. These cooler months are a great time to come indoors and speak with rangers about the park.

Park Visitor Center Desk
at the
Children's Museum of Oak Ridge
461 W. Outer Drive, Oak Ridge, TN 37830
(865) 482-1942
or visit us at:
www.nps.gov/mapr
Twitter@MnhtnProjectNPS
www.facebook.com/ManhattanProjectNPS
www.Instagram.com/ManhattanProjectNPS