NOVEMBER 2015

Los Alamos NATIONAL LABORATORY EST. 1943

@ the Bradbury

Special News & Events

November 11 Marks the Beginning of Historical Park

On November 10, the U.S. Department of Energy and the U.S. Department of the Interior will enter into an agreement establishing the Manhattan Project National Historical Park. Its purpose will be to "improve the understanding of the Manhattan Project and the legacy of the Manhattan Project through interpretation of the historic resources." The park will encompass three locations: Los Alamos, Oak Ridge (Tennessee) and Hanford (Washington state).

On the Lab's property, nine sites have been identified for inclusion within the Park.

Gun Site Facilities: TA-8-1 Laboratory and Shop, TA-8-2 Shop and Storage, TA-8-3 Laboratory, TA-8-172 Portable Guard Shack
V-Site Facilities: TA-16-516 and TA-16-517 V- Site Assembly Building
Pajarito Site: TA-18-1 Slotin Building, TA-18-2 Battleship Control Building and TA-18-29 Pond Cabin

The complete app is expected to be available in March.

Save the Date!

NOV 1 — Daylight Savings Time Ends

NOV 14 — Scientists in the Spotlight
11:00 AM TO 1:00 PM
Chat with scientists about supernovae or aquatic biology. All ages welcome.

NOV 11 — Veterans Day
Thank you to our nation's heroes.

NOV 19 — Science On Tap
5:30 PM to 7:00 PM
@ UnQuarked
145 Central Park Square
Los Alamos, NM

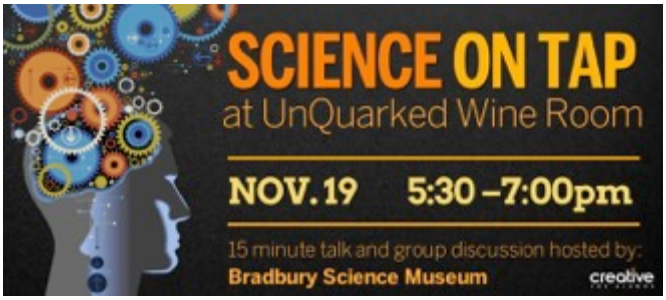
NOV 26 — Thanksgiving Holiday
Museum will be CLOSED

Featured this month: Mitzi Boswell and Nick Generous

On Saturday, **November 14** from **11 a.m. to 1 p.m.**, **Mitzi Boswell** and **Nick Generous** will be available to chat with the public about their science through the Museum's Scientist Ambassador Academy program. Boswell, with the Lab's Neutron Science and Technology group, is a scientist studying neutrinos in a gold mine in South Dakota. She will talk about natural radioactivity in the world around us. Generous, with the Lab's Information Systems and Modeling group, will be available to talk about how social media is helping scientists better forecast the progression of illness (such as the flu) using computer simulations.

Join us every second Saturday of the month for Scientist in the Spotlight, a program featuring scientists that have been certified for public outreach. These scientists are available to talk with museum visitors for a couple of hours about their favorite science, technology, engineering or math (STEM) subject. Conversations are intended for all ages and include interactive hands-on activities that make learning easy and fun. To learn more, go here.

SCIENCE ON TAP



Be sure not to miss the next installment of "Science on Tap" on Thursday, November 19, at UnQuarked in downtown Los Alamos. It's every Thursday starting at 5:30 p.m.

This session: Quantum Cryptography: A Radical New Way to Protect Your Data

As computers get faster for us all, they're also getting faster for those who want to steal your information. As a result, even advanced encryption systems are getting easier and easier to break. Only a massive scientific shift will help stem this loss of information. Through years of hard work, such a breakthrough has now taken place at the Lab. As a result, this research has led to a license with the private sector to commercialize the innovative technology.

Raymond Newell, with the Quantum Communications team, will be at the next Science on Tap on Thursday, November 19, from 5:30 p.m. until 7 p.m. at UnQuarked in Los Alamos. After a short, informal introduction to the topic of quantum cryptography, attendees are invited to ask questions, share perspectives and leave the event with an idea of why this research could revolutionize how our data are kept safe—forever.

To subscribe to our monthly newsletter, visit the museum's website here.

Subscribe to our Newsletter

Logo Merchandise Survey Now Through November 8

If you had the opportunity to buy items with the Lab's logo on them, what would they be? Now through November 8, you will have an opportunity to vote on the products you'd most like to see carry the Lab's logo, from classic pocket protectors to canvas tote bags and T-shirts. Is there something you'd like to see that isn't on the list? Feel free to write it in and it will be considered.

The new, Lab-recognized Bradbury Science Museum Association (BSMA), a nonprofit organization, plans to sell the items and use the profits to support its education mission.

The short survey is available here.

If you would like to learn more about the BSMA, visit this page.

Collectable Souvenirs from Underground Tests

The news and events surrounding the 20th anniversary of the U.S. Stockpile Stewardship Program are the inspiration behind this month's featured artifacts: Commemorative stickers and patches from tests performed at the Nevada Test Site during the 80's and early 90's.

These keepsakes, created with the names of each test, were made available to participating staff after the completion of individual tests. In 1992, when Congress passed legislation for a moratorium on nuclear testing, the Test Site detonations came to an abrupt halt. We at the Bradbury feel fortunate to have a sticker and a cap from the final tests – Hunter's Trophy (sticker) and Divider (cap patch), both performed in September 1992. A sticker from the test "Ice Cap," (so named because dry ice would be used to keep the device cool) is valuable because the test was scheduled for 1993 was cancelled due to the test ban.

Unfortunately we do not have a souvenir from each and every test in which the Lab participated, but those we do have remain as clever and creative symbols of the collaborative STEM work that produced data still valuable for post-Comprehensive Test Ban experiments.

Mark Your Calendars!

Special Events Calendar

BRADBURY SCIENCE museum

November 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Daylight Savings Time Ends	2	3	4	5	6	7
8	9	10	11 Veterans Day	12	13 B	14 **Scientists in the Spotlight** 11 AM to 1 PM
15	16	17	18	19 **Science on Tap** @ UnQuarked, Los Alamos 5:30 to 7:00 PM	20 A	21
22	23	24	25	26 Thanksgiving Day **MUSEUM CLOSED**	27 B	28
29	30				A	

About the Museum

Bradbury Science Museum is located at 1350 Central Avenue in downtown Los Alamos, New Mexico. Approximately 40 interactive exhibits trace the history of the WWII Manhattan Project, highlight Los Alamos National Laboratory's current and historic research projects related to defense and technology, and focus on Laboratory research related to energy, environment, infrastructure, health and global security concerns.

Hours: Tuesday – Saturday: 10:00 AM to 5:00 PM, Sunday & Monday: 1:00 PM to 5:00 PM

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