



June 2002

Published by the Community Involvement Office  
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## Energy Secretary Abraham Announces Center for Nanosciences at Brookhaven Lab

- Last month, Secretary of Energy Spencer Abraham announced that Brookhaven National Laboratory would be the home of a new center for nanoscale science research. Nanomaterials -- typically on the scale of billionths of a meter or 1,000 times smaller than a human hair -- offer different chemical and physical properties than bulk materials, and have the potential to form the basis of new technologies.
- "Nanoscience holds the potential for a veritable second industrial revolution," Secretary Abraham said. "Possible applications range from microscopic chemical factories to electronic devices that first assemble themselves and then repair themselves!"
- The Department of Energy's Office of Science will begin preparing the facility's conceptual design report that will be needed to request construction funding from Congress. The preliminary cost range for the project is \$70-85 million. Engineering design, construction and commissioning are estimated to take four years and could start in 2004 or 2005.

## A Different Sort of Discovery

- The Laboratory has been dismantling some of the irreparable barrack-like buildings that date back to its 'Camp Upton' days. During recent demolition activities, siding was removed, uncovering several boards with dates and signatures of servicemen stationed at the camp in 1943 and 1944.
- BNL Plant Engineering personnel discovered the writings and removed them so that they could be preserved.
- These newest findings will be included in the Camp Upton Historical Collection, which includes more than 1,500 artifacts found on site, or donated by generous veterans or the families of those who served at Camp Upton.
- Currently, the collection is being computer catalogued, assessed, and digitally photographed. This collection may eventually be made available on the Internet.



**World War II writings, hidden by siding, found on wall boards of a Laboratory building.**

(over)

## Free Summer Sunday Activities at Brookhaven Lab, July 14 – August 25

- This summer, Brookhaven National Laboratory will feature exciting interactive exhibits and an inside look at a different Laboratory facility each Sunday from July 14 through August 25. Hours are between 10 a.m. and 3 p.m. Admission is free and no reservations are needed, but to be admitted on site, all visitors age 15 and over must bring a photo ID.
- A new hands-on exhibit called “Brain Teasers,” a collection of 20 puzzles ranging from giant jigsaws to rope tricks, will challenge both children and adults. Also, local high school students will demonstrate the robots they built. And the popular “Whiz Bang Science Show” will be featured four times each Sunday.



Youngsters enjoy robotics, which will be among the exciting exhibits available to visitors.

- The tour schedule is as follows:

July 14 — Life Sciences

Explore the fascinating world of biological and medical research including Brookhaven’s research on addiction.

July 21 — Magnet Division

Come see how these incredible high-tech magnets are made for accelerators around the world. This is the first time this facility will be open on a Summer Sunday.

July 28 — Relativistic Heavy Ion Collider (RHIC)

Tour this world-class accelerator and learn how it helps physicists explore the subatomic world. This is a facility you won't want to miss!

August 4 — Brookhaven National Laboratory Fire Station

Children really enjoy the Laboratory’s emergency response equipment and demonstrations at our firehouse.

August 11 — National Synchrotron Light Source (NSLS)

See the light! Discover how infrared, ultraviolet, and x-ray “light” produced at the NSLS is used for scientific research.

August 18 — Energy & Environment

Learn about energy efficiency and pollution prevention. Bring the children for many activities scheduled just for them.

August 25 — Relativistic Heavy Ion Collider (RHIC)

In case you missed it on July 28, RHIC will be open for tours again.

- For more information call (631) 344-2651.