History of the BNL Site

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Wampmissic to Big Science
Cultural Resources at BNL
Historical Overview & Scientific Features
Location
BNL Site – Historical Overview

- Pre–1900: Pine-Oak forest
  - Transient Native American activity
  - Local cordwood industry

- 1917–1921: World War I Camp Upton
  - Induction & Training Camp

- 1930s: Civilian Conservation Corps
  - Upton National Forest

- 1940–1946: World War II Camp Upton
  - Induction Center, then Convalescence & Rehabilitation

- 1947–present: Brookhaven National Laboratory
  - Large science facilities (reactors, accelerators, etc.)
Wampmissic

1858 Chance Map of Suffolk County, ILIA, October 2001

Photos courtesy of Suffolk County Historical Society
BNL Cultural Resource Features

Pre-1900 pine-oak forest: Two historic sites

Stone Foundation

Locust Fence Posts

Curved Stone Wall

Brickwork
1921 - The War to end all wars was history
Civilian Conservation Corps - 1930s

Building 30 – 1934

Building 30 – 2005
World War II – Camp Upton Revisited

- 1941 – 1944 Induction Center
- 1944 – 1947 Hospital, R & R Facility
1947 Camp Upton becomes Brookhaven National Laboratory
BNL – Cultural and Historic Resources

Graphite Reactor  High Flux Beam Reactor  Gamma Forest  Gamma Forest Arial

Bubble Chamber  BGRR Fuel  Cosmotron Magnet  Berkner Hall

Equipment Artifacts & Scale Models  Architecturally Significant
BGRR – Historic Resources
Cosmotron

Cosmotron Magnet Model

Cosmotron ‘C’ Magnet
High Flux Beam Reactor - HFBF
Nobel Prizes

Cosmotron

- 1957, T. D. Lee/C.N. Yang – Parity Violation

AGS

- 1976, Samuel C.C. Ting – J/psi Particle
- 1980, James W. Cronin/Val L. Fitch – CP Violation
- 1988, Leon Lederman, Melvin Schwartz, Jack Steinberger – Muon-Neutrino
Nobel Prizes

South Dakota
- 2002, Raymond Davis, Jr. – Cosmic Neutrinos
- 2003, Roderick MacKinnon – Chemistry of the Cell, ion channels
- 2009, Thomas A. Steitz, Venkatraman Ramakrishnan – the Ribosome
Architecturally Significant Buildings

- Berkner Hall
  - Designed by Max O. Urbahn
  - Mid-1960s Expressionist architecture

- Chemistry Building
  - Designed by Marcel Breuer
  - International Style
What will the future hold for BNL?