



Roger Stoutenburgh 03091208

National Synchrotron Light Source Chair Chi-Chang Kao (left) talks about research at the beamline used by the National Institute of Standards & Technology to (from left) Assistant Lab Director for Community, Education, Government & Public Affairs Marge Lynch; Executive Director of the New York State Foundation for Science, Technology & Innovation Edward Reinfurt; BNL Director Sam Aronson; Associate Lab Director for Light Sources Steve Dierker; and Deputy Lab Director Doon Gibbs.

## NYSTAR's Edward Reinfurt Visits BNL Research Facilities

On December 29, Edward Reinfurt, Executive Director of the New York State (NYS) Foundation for Science, Technology & Innovation (NYSTAR), toured a selection of BNL's research facilities and met with Lab scientific leaders. Substantial NYS investment in some facilities, such as the New York Blue supercomputer, a beamline at the National Synchrotron Light Source (NSLS), and the proposed new Joint Photon Science Institute (JPSI), added particular interest to the tour for the NYSTAR Director.

Said Lab Director Sam Aronson, "The support that Brookhaven National Laboratory has received from New York State has been a key contribution to the success of our scientific mission. The Lab is eager to develop future collaborations so that the State industrial, commercial and academic sectors can all make the best use of the Lab's unique facilities and capabilities."

Reinfurt was named to his position in 2007 after serving as Vice President of the Business Council of New York State, Inc., where he was instrumental in bringing together business and academic sectors in various initiatives. Now, under his leadership, NYSTAR seeks to identify how

**The Lab is eager to develop future collaborations so that the State industrial, commercial and academic sectors can all make the best use of the Lab's unique facilities and capabilities.**

— Sam Aronson

New York's existing research assets can create greater opportunities for technology development throughout the state. As an example of this effort, NYSTAR is now developing customized portfolios of research assets — people, equipment, and facilities — that are available in specific areas of technology identified by companies in the state.

Welcoming Reinfurt and accompanying him on the Lab visit with Aronson were Deputy Lab Director for Science & Technology Doon Gibbs, Associate Lab Director for Light Sources Steve Dierker, Associate Lab Director for Basic Energy Sciences Jim Misewich, and Assistant Lab Director for Community, Education, Government & Public Affairs Marge Lynch.

Among the tour highlights were a visit to the New York Blue

superconductor, to talk with Computational Science Center Director Jim Davenport; a tour of the CFN with its Director, Emilio Mendez; and a visit to the NSLS to meet with NSLS Chair and JPSI Director Chi-Chang Kao. At the NSLS, Reinfurt saw the beamline used by the National Institute of Standards & Technology, where scientists have recently established a "greener" antiwear additive for engine oils, and the beamline where Roderick McKinnon did part of his 2003 Nobel Prize in Chemistry research on how a class of proteins helps to generate nerve impulses.

After lunch, Reinfurt continued his tour by meeting members of the Condensed Matter Physics & Materials Science Department: Ivan Bozovic at the Molecular Beam Epitaxy Facility and Yimei Zhu at the Transmission Electron Microscope Facility. The next stop was at the Relativistic Heavy Ion Collider, where Physics Department

Chair Thomas Ludlam explained some of the science going on at the STAR Detector. Talks on regional energy initiatives and programs followed with Creighton Wirick, Interim Associate Laboratory Director for Environmental Sciences; Bill Horak, Chair

of the Energy Sciences & Technology Department and department scientist Thomas Butcher. Joanna Fowler of the Medical Department, who heads BNL's medical imaging center, then gave an overview of the imaging program at the Positron Emission Tomography Facility before the distinguished visitor took part in closing discussions at the Director's office.

Commented Gibbs, "Ed Reinfurt is a very important person for science and technology in the State of New York. We are delighted that he spent a whole day here touring our facilities and talking to us about a range of current and planned activities. We're hoping to make deeper connections to the state in computation, energy research — including to our facilities — and medical imaging."

— Liz Seubert

## DOE Approves Construction Start of NSLS-II Project

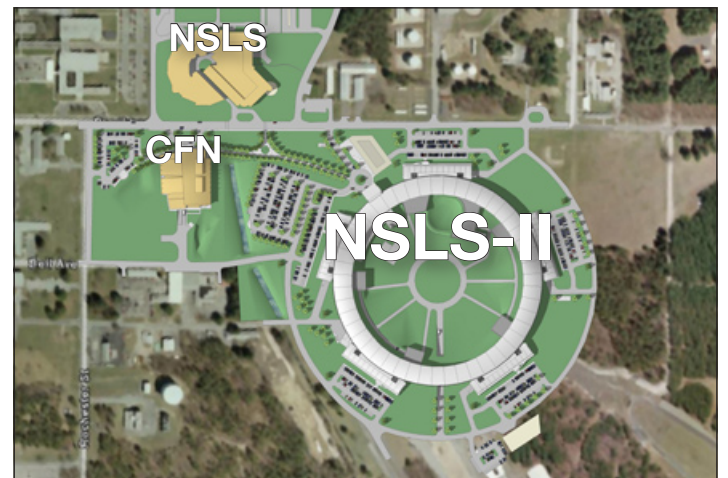
To advance its science mission that focuses on critical national challenges, DOE has approved the construction start of the state-of-the-art National Synchrotron Light Source II (NSLS-II) at BNL.

DOE has granted "Critical Decision 3" (CD-3) status to the NSLS-II, approving the start of construction in fiscal year (FY) 2009 and scheduling completion in FY 2015. DOE has approved a total project cost for NSLS-II of \$912 million.

"NSLS-II is the largest capital project under construction at any of the 10 national laboratories throughout the country that are owned by the Department of Energy's Office of Science," said DOE's Brookhaven Site Office Manager Mike Holland. "This represents a major investment by the Department of Energy in Brookhaven National Laboratory and ensures the scientific vitality of Brookhaven, one of the nation's premier research laboratories, for at least 25 years into the future."

"Achieving CD-3 status for NSLS-II marks another vital milestone in this exciting project for Brookhaven and for U.S. science," said BNL Director Sam Aronson. "Construction of this machine will enable essential advances in many areas of research."

NSLS-II will be a medium-energy storage ring with a unique design that will deliver world-leading brightness and flux and exceptional beam stability. The machine will be the newest



This currently planned configuration for NSLS-II shows the new facility close to the existing NSLS and Center for Functional Nanomaterials.

member of a suite of advanced light sources and neutron facilities operated by DOE's Office of Science that are used



Mike Holland



Sam Aronson



Steven Dierker

by more than 9,000 researchers annually from all disciplines. The NSLS-II will advance exploration of the scientific challenges faced in developing new materials with advanced properties, enabling their study, particularly at the nanoscale, at a level of detail and precision never before possible.

"NSLS-II will provide the world's finest capabilities for x-ray imaging, with unprecedented spatial and energy resolution and the ability to detect single atoms," said Steven Dierker, Associate Laboratory Director for Light Sources. "It will

provide advanced tools for discovery-class science in condensed matter and materials physics, chemistry, and biology — science that ultimately will enhance national and energy security and help drive abundant, safe, and clean energy technologies.

"The scientific advances resulting from research at the new facility will support technological and economic development in multiple sectors of the economy, from next-generation energy technologies to new drugs for fighting disease," Dierker said.

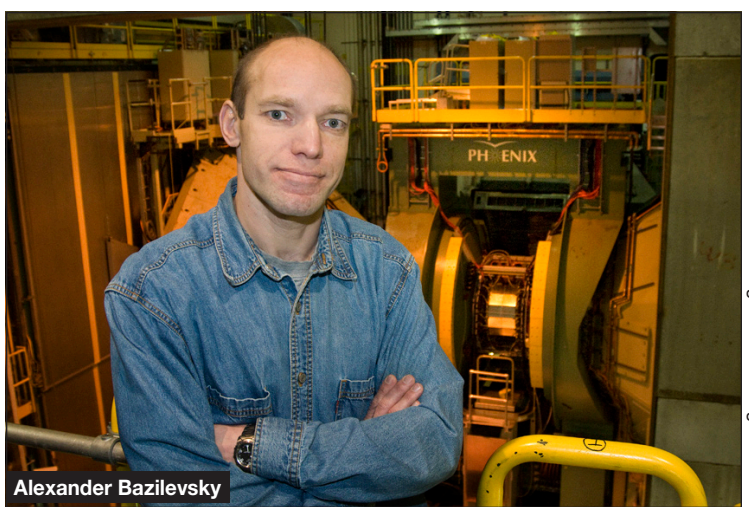
See NSLS-II on pg. 2

445th Brookhaven Lecture, 1/21

## Do Gluons Carry Proton Spin? Toward Resolving the 'Spin Crisis'

Just as the Earth and other planets spin within the solar system, subatomic quark and gluon particles spin within the protons and neutrons that spin within the nucleus of an atom. Quantum Chromodynamics (QCD) is a theory that describes interactions between subatomic particles, and it has played a defining role in understanding the spin of protons and neutrons, which make up most of the visible mass in the universe.

Experiments first completed at CERN and furthered at several other laboratories around the world revealed that quarks and their partnering anti-quarks are surprisingly responsible for only 20–30 percent of proton spin. These findings pointed to what would become known as "a spin crisis." More recent experiments at BNL's Relativistic Heavy Ion Collider (RHIC), the first collider to smash protons that are "polarized," or made to spin in the same orientation, have helped to isolate the role of the gluon's spin within the



Alexander Bazilevsky

Roger Stoutenburgh 03090109

spinning proton in hopes of solving this crisis.

On Wednesday, January 21, join Alexander Bazilevsky of the Physics Department as he gives the 445th Brookhaven Lecture, titled "Do Gluons Carry Proton Spin? Toward Resolving the 'Spin Crisis.'" All are invited to attend this free talk, which is open to the public and will be held in Berkner Hall at 4 p.m. Refreshments will be offered before and afterward. All

visitors to the Lab ages 16 and older must carry a photo ID while on site.

During his lecture, Bazilevsky will explain how data from RHIC's PHENIX and STAR detectors help to reveal the role of gluons in the proton's spin. Bazilevsky will also discuss long- and short-term plans to attain a deeper look into the proton spin structure utilizing RHIC and its future upgrades.

See Bazilevsky Lecture on pg. 2



**NLSL-II from pg. 1**

CD-3 is the fourth of five critical decisions that the project will need to achieve in order to progress through the successively more detailed stages of conceptual design, preliminary design, final design, construction, and then operations. A CD-3 approves the start of construction and signifies that a final design review has been performed, that all environmental and safety criteria have been met, all security concerns addressed and the project is ready to begin construction. CD-3 authorizes the project to commit all the resources necessary to execute the project, within the funds provided. CD-2, approving the

facility's performance baseline, was announced in December 2007, and CD-1, siting the facility at DOE's BNL and approving its cost range, was announced in July 2007.

NLSL-II will replace the existing NLSL, which began operations in 1982. NLSL provides essential scientific tools for 2,300 scientists each year from more than 400 academic, industrial and government institutions.

The NLSL-II is funded by DOE's Office of Basic Energy Sciences under the Office of Science (<http://www.er.doe.gov>).

For more information about the NLSL-II project, visit the website at <http://www.bnl.gov/nsls2>.



Members of BNL's electronics-recycling team are (from left): Betty Elder, Peter Pohlot, Carl McKeever, Ben Mastrocola, Peter Realmuto, Clarence Wilkins, Jim Henderson, Steve Krisman from Specialized Industrial Trucking, and Jerry Quigley. Not present, Donna King.

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## Lab Receives Federal Award for Electronics Recycling

BNL was named a winner in the Office of the Federal Environmental Executive's third annual Electronics Reuse & Recycling Campaign at a White House ceremony on December 16. The Lab reused or recycled 143,600 pounds of electronics during fiscal year (FY) 2008, a period from October 1, 2007 to September 30, 2008.

The Office of the Federal Environmental Executive challenges federal agencies to donate and recycle excess or surplus electronics through the reuse/recycling program. Brookhaven Lab was among 18 winners selected from 14 agencies and 124 facilities for reusing or recycling the most electronics, competing against facilities of comparable size. A total of 9 million pounds of electronics were reused or recycled by all of the 124 facilities during FY 2008. The Department of Energy

received the top honors for the third year in a row for reusing and recycling more than 2.2 million pounds of electronics from its 22 participating facilities, including Brookhaven Lab.

Peter Pohlot, BNL's pollution prevention coordinator, and Donna King, the Lab's property manager, who jointly managed the reusing and recycling program, received a plaque for the Lab at the White House ceremony. BNL was honored in the category of "Large Facility - over 2,500 employees."

"We recycle all of the Laboratory's electronic equipment in an environmentally sustainable way, including desktop and laptop computers, cameras, printers, scanners and network servers," Pohlot said. "It's important to reduce pollution and prevent toxic materials from entering into the environment."

BNL recycled 106,400 pounds and reused 37,200 pounds of electronic equipment in FY 2008. Recycled equipment is sent to UNICOR for processing. Established in 1934 by executive order, UNICOR is a federal program that creates voluntary real-world work to train federal prison inmates. The electronics are "de-manufactured" in an environmentally sound and safe manner by the inmates. Parts are resold to benefit the program, which is self-sustaining.

The majority of reused electronic equipment went to Lab employees for on-the-job use. Also, twelve of Brookhaven Lab's used computers were donated to nonprofit schools in response to requests made to a "Computers for Learning" government-sponsored website. The average life span of a computer at Brookhaven Lab is 4 1/2 to 5 years.

**Bazilevsky Lecture from pg. 1**

Bazilevsky earned a Master of Science degree for physics from Moscow State University in 1992 and worked as a scientific researcher while earning his Ph.D. in physics from the Institute for High Energy Physics in Protvino, Russia from 1992-1999.

Bazilevsky worked as a research associate at the RIKEN BNL Research Center at BNL from 1999-2002 and as a RIKEN Fellow from 2002-2003. He became an assistant physicist at the Lab in 2003 and then an associate physicist in 2005. He was promoted to physicist in 2008. Bazilevsky has also authored and co-authored more than 100 scientific papers.

To join Bazilevsky for dinner at a restaurant off site following the lecture, contact Melanie Echmalian, [echmalian@bnl.gov](mailto:echmalian@bnl.gov), Ext. 7681. — Joe Gettler

## In Memoriam

**James Hallock**, who joined the Instrumentation Group on July 19, 1948, as a technician A, and retired from Instrumentation on December 30, 1975, as a technical associate II, died on November 24, 2008. He was 98.

**Joseph Kalinowski**, who joined the Lab as a laborer in the Plant Maintenance Division on March 24, 1947, with the life number of 280, died at the age of 94 on November 24, 2008. He retired as a Lab custodian on April 27, 1979.

**Peter Delmonte**, who joined the Lab's Central Shops Division on October 16, 1950, and who retired on July 1, 1977, as General Supervisor, Shops, died on November 25, 2008. He was 93.

**Stanford Carde**, who joined the Plant Maintenance Division on November 11, 1957, as a resident custodian, and retired on October 31, 1989, as a rigger group leader, died on November 28, 2008. He was 81.

**Leonard "Lenny" Kalmar**, who joined the Alternating Gradient Synchrotron Department as an intermediate technician on September 10, 1962, and retired on April 30, 1991, as a technical specialist, died at age 71 on December 22, 2008.

**Robert Baldwin**, who first joined the Lab on December 12, 1955, as an associate mechanical engineer, and left the Alternating Gradient Synchrotron as a mechanical engineer on August 25, 1972, died at 85 on December 23, 2008. He had joined the Reactor Division as a senior project engineer on August 22, 1983, and retired on August 31, 1993 as a senior technical specialist.

**Dysart Ravenhall**, who joined the Applied Mathematics Department on January 31, 1955, as a technician C, rose to Science Computer Operators Manager in 1974, and retired as Assistant Manager for Scientific Computer Services on November 16, 1981, died on December 23, 2008. He was 76.

**Richard Baulch, Jr.**, who first joined the Supply & Materiel Division as a warehouseman on October 2, 1961, died at age 68 on December 31, 2008. He had left BNL as a stores clerk on March 1, 1968, then re-joined as a patrolman trainee on October 14, 1968. In April 1982, he was named Police Captain; and he left the Lab on May 22, 1991.

## Service Aniversaries

The following employees celebrated service anniversaries during December 2008:

- 40 Years —
- Lawrence Arnold ..... C-AD
- 35 Years —
- Adolph Almasy..... NLSL
- Patricia Johnson..... Fiscal
- 30 Years —
- Richard Greene..... NLSL
- Christopher Lanni..... NLSL
- Paula Bennett ..... Biology
- Stephen O'Kula..... Maint./Fab.
- 25 Years —
- Henry Biedenkapp..... C-AD
- Terrence Sullivan ..... Env. Scis.
- Ronald Angona... Instrumentation
- Christopher Gardner..... C-AD
- Susan Pepper ..... NNS
- Steven Hulbert..... NLSL
- LaRosa Collins ..... Info. Services
- Rosa Palmore ..... Diversity
- 20 Years —
- Richard Kurz ..... C-AD
- Frank Lincoln ..... NLSL-II
- Om Singh ..... NLSL-II
- Darren Harris..... Site Services
- Wei Chen..... Physics
- 10 Years —
- Donna Colon..... Staff Services
- Joseph Piacentino, Jr..... C-AD
- Martha Bryant..... Site Services
- Dorene Cousin..... Site Services
- Thomas Pope ..... Site Services
- Deborah Bauer ..... EWMS
- George Redlinger ..... Physics
- James Williams..... Rad. Control
- Sherry Johnson ..... CEGPA
- John Hynan..... Facils. & Ops.
- Chris Luoni..... Maint./Fab.

## BNL, BOCES Library Staff Foster Partnerships in Science

As part of the 18th annual "Partners in Science" program co-sponsored by the Lab's Research Library and the Eastern Suffolk BOCES Library System, on November 19, the Research Library hosted 31 students from five local high schools — Bayport-Blue Point Union Free School District (UFSD), Middle Country Central School District (CSD), Riverhead CSD, South Country CSD, and Southampton UFSD — with nine teachers and librarians from the schools and BOCES.

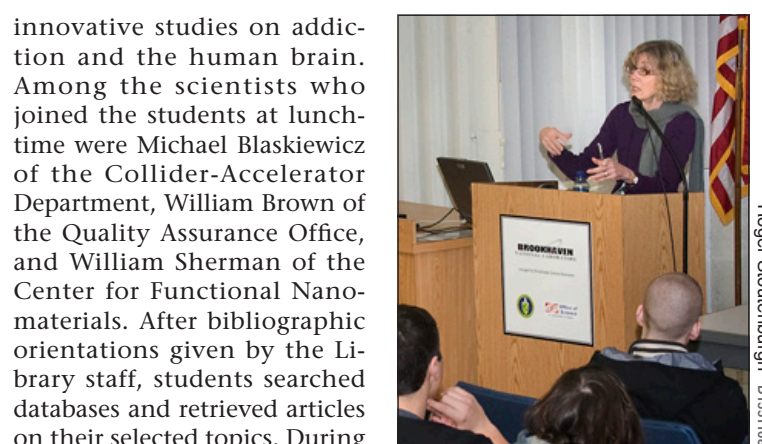
Through the Partners in Science program, more than 600 students have visited the Lab to explore science topics of interest using the resources of the Research Library. Each year students are introduced to the research programs at BNL; attend a lecture given by a notable researcher; and, during lunch with Brookhaven scientists, learn about working as a researcher in a national laboratory. With support from their teachers, their school librarians, and the Research Library staff, students also learn library research skills.

This year, Elaine Lowenstein of Community, Education, Government & Public Affairs gave an overview of BNL's research programs; and Joanna Fowler, Director of BNL's Center for Translational Neuroimaging, discussed her



Gail Barraco of BOCES (left) and Michiko Tanaka of the Research Library (back, center) help students improve their library research skills through the "Partners in Science" program sponsored by BNL's Research Library and the Eastern Suffolk BOCES Library System.

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For the "Partners in Science" event, Joanna Fowler, Director of BNL's Center for Translational Neuroimaging, gave a much appreciated talk on addiction imaging research to the high school students.

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## C-AD, Other BNLeers Donate Generously to BNL Food Drive

At their annual holiday breakfast on December 18, staff members from the Collider-Accelerator Department (C-AD) filled six-and-a-half large barrels with more than 350 pounds of non-perishable foods for the BNL Food Drive.

"This is the most C-AD has ever collected at one time," said C-AD's Paul Sparrow, a co-organizer of this welcomed food donation blitz. Sparrow has volunteered with the BNL Food Drive for nearly seven years.

Along with C-AD chair Derek Lowenstein and staff members Marion Heimerle and Ann Marie Luhrs, Sparrow began encouraging others from the department to bring a food drive donation to the C-AD holiday breakfast. In addition to promoting the food drive during the holiday season, the team hoped to raise awareness and increase the amount of year-round contributions to the effort. "This is an exceptional ex-

ample of BNLeers coming together to offer good wishes and help to people in need living on Long Island," Sparrow said.

In addition to the C-AD donation, the Food Drive recently received sizeable food and cash contributions from the Staff Services Division, the Music Club, the Indo-American Association, those who attended the BERA Holiday Party, and other BERA clubs.

According to Linda Rundlett, who co-chairs the BNL Food Drive with Linda Greves, "The drive is completely operated by volunteers so there aren't any overhead or administrative costs. One hundred percent of all donations to the Food Drive, whether food or cash, goes directly to help feed people in the Brookhaven Township."

Year round, the BNL Food Drive accepts financial contributions and donations of non-



Members of the Collider-Accelerator department Paul Sparrow (left), Marion Heimerle (second from left), Ann Marie Luhrs (fourth from left), and Derek Lowenstein (fifth from left) with BNL Food Drive co-chair Linda Rundlett (right) and volunteer Jerry Quigley, who stores and manages all food drive contributions (third from left). Not present, Linda Greves.

perishable food items, such as canned goods, cereal, cookies, sauces, and pasta. Drop-off boxes for food are located in most buildings on site, in particular, 179 near the Mail Room and U.S. Post Office. For more information, contact Linda Rundlett, Ext. 3333, or Linda Greves, Ext. 3750. Help feed your neighbors in need today! — Joe Gettler

179 near the Mail Room and U.S. Post Office. For more information, contact Linda Rundlett, Ext. 3333, or Linda Greves, Ext. 3750.

Help feed your neighbors in need today! — Joe Gettler

## News Flash! United Way Fund Drive Surpasses Goal

This year's United Way campaign, championed by Lanny Bates with co-chair Pam Yerry, surpassed its goal of \$125,000, raising a grand total of \$160,719. Thanks to generous donors and the tremendous efforts of many Lab volunteers, BNL will be able to give a large check to help Long Islander neighbors in many practical ways.

More information will follow in a future Bulletin article.



## BSA Noon Recital: Kitka Musical Group, 1/28

Kitka, a grassroots group of singers from diverse ethnic and musical backgrounds, will perform in the next BSA Noon Recital on January 28, in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages BNL, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Kitka, meaning "bouquet" in Bulgarian and Macedonian, began in 1979. Kitka musicians share a passion for the stunning dissonances, asymmetric rhythms, intricate ornamentation and lush harmonies of Eastern European women's vocal traditions. The group, based in Oakland, CA, has evolved into a professional touring ensemble that has earned international recognition for its

artistry, versatility, and fresh approach to traditional material. With deep ties to Eastern Europe, Kitka has collected repertoire and performed there many times.

In 2005, Kitka journeyed to Ukraine for a series of performances, international artist-exchange meetings, radio and television broadcasts, and research expeditions in rural villages. Kitka's work in Ukraine created such a stir that the ensemble was invited back in 2007 for a performance at Kiev's most prestigious concert hall, the Palace "Ukrainia." For the recital at the Lab, Kitka has chosen a program that includes Balkan, Slavic, Georgian and Armenian folk music. — Jane Koropsak

For more information on Kitka, including images, see [www.kitka.org/press/photos.html](http://www.kitka.org/press/photos.html).

## SCCC Course 'Portfolio Prep' Offered on Site

Suffolk County Community College (SCCC) will offer a course on Portfolio Preparation on site for the spring 2009 semester. This course helps individuals who are choosing a degree program and earning life experience credits towards that degree, especially those new to SCCC or who have recently started taking courses. A minimum of 12 students is needed to run the course.

### COL120 – Portfolio Preparation – 1 credit

Provides adults with a vehicle for identifying and demonstrating college-level learning achieved outside the classroom. Students are provided with necessary information and techniques for choosing a degree program and preparing a portfolio that describes and documents the learning. The portfolio may then be presented to the faculty for evaluation.

Employees who take college courses may apply for tuition assistance. BNL offers tuition advances or reimbursements at 75 percent for undergraduate courses. For more information, contact Starr Munson, [munson@bnl.gov](mailto:munson@bnl.gov) or Ext. 7631.

## Update on Propane Explosion Investigation

The Bulletin of October 17, 2008, reported an explosion that had occurred on Monday, October 13, at a drinking water pump station, Bldg. 637, in the northeastern portion of the central Lab site. The explosion destroyed the building. No one was injured, there was little additional damage, and there were no risks to the general public or impact to the environment. The cause of the explosion appeared to be a propane gas leak.

Since then, an accident investigation committee, commissioned by Carol Parnell, Assistant Laboratory Director for Environment, Safety, & Health, has been assessing the event. Some inadvertent actions during maintenance work in the facility allowed the release of the propane gas, which built up in the building and was ignited by a tiny spark from a motor-control center in the building. Additional status update is provided by Lanny Bates, Assistant Laboratory Director for Facilities & Operations, in the Monday Memo of January 12.

A comprehensive corrective action plan is under way to prevent any such event reoccurring, and corrective actions based on preliminary findings are already being implemented. The investigation is expected to be complete and a final report issued at the end of January.

## Eric Forsyth Video of Sailing Trip, 2/4

BNL retiree Eric Forsyth will show a video of his recent sailing trip to the west coast of Greenland at noon on Wednesday, February 4, in Berkner Hall. All are welcome to this free fun event.

## BERA Updates

**BERA Summer Camp:** Preliminary information has been posted on the BERA website: <http://www.bnl.gov/bera/>

**Virtual Swim:** 1,750 miles of virtual swimming to Mexico! From January–March, join in the fun and swim laps at your own pace to be included in the daily mileage tally. For more information, contact the Swimming Pool Office, Monday through Friday from 10 a.m. – 2 p.m., and 4:30 – 8 p.m., Ext. 3496, or the Rec Office, Ext. 2873.

## Trips

- **Philadelphia Flower Show:** Saturday, March 7. Leave BNL at 6 a.m. Leave PA at 4 p.m. \$35 per person adult or child.
- **Atlantic City Trip:** Saturday, April 4. Casino to be announced later. Leave BNL at 9 a.m. Leave NJ at 8 p.m. \$25 per person.
- **NY International Auto Show @ Javits Center, NYC:** Saturday, April 18. Leave BNL at 9 a.m. Leave NYC at 4 p.m. \$20 per person.

All tickets include transportation on a luxury motor coach, which departs from the Brookhaven Center. Tickets are nonrefundable and are limited to four tickets per person for the first two weeks of sale.

## New BERA Fitness Class Schedule

Stay in shape! BERA announces new dates for fitness classes. Advanced registration is required for the following classes. Make checks payable to BERA and mail to the Recreation Office in Bldg. 400.

**Jazzercise:** 8-week session, \$90 for twice/week\*

Noon – 1 p.m. at the Recreation Hall (Bldg. 317)

Tuesdays: from Feb. 10

Thursdays: from Feb 12

\* Includes option to use Holbrook & Wading River locations in addition to Tues/Thurs classes)

**Aqua Aerobics:** 12-week session, \$30 for once/week, or \$60 for twice/week

5:30 – 6:30 p.m. at the Pool (Bldg. 478)

Tuesdays: from Jan. 20

Thursdays: from Jan. 22

**Pilates:** 8-week session, \$65 for once/week, \$80 for twice/week, or \$130 for three times/week

12:15-1:15 p.m. at the Recreation Hall (Bldg. 317)

Mondays: from Feb 2

5:15 – 6:15 p.m. at the Recreation Hall (Bldg. 317)

Mondays: from Feb 2, Wednesdays: from Feb 4.

## CALENDAR

### — WEEK OF 1/19 —

#### Monday, 1/19

##### Martin Luther King Jr. Day

The Lab will be closed for a Floating Holiday in honor of Martin Luther King Jr. Day.

No Bulletin will be published on Friday, 1/23.

#### Tuesday, 1/20

##### Use Your Brain to Eat Well

Noon-1 p.m. Berkner Hall, Room B. Sponsored by the Employee Health Program, Marie Kerr will talk on "Don't Want to Gain? Use Your Brain!" Learn new ways to alter unwanted eating behavior, manage stress-induced eating. All welcome. Register with Michael Thorn, [mthorn@bnl.gov](mailto:mthorn@bnl.gov) or Bldg. 490, to ensure space & materials for everyone.

#### Wednesday, 1/21

##### \*445th Brookhaven Lecture

4 p.m. Berkner Hall. Alexander Bazilevsky, Physics Department, will talk on "Do Gluons Carry Proton Spin? Toward Resolving the 'Spin Crisis.'" All are invited to this free talk, open to the public. Visitors to the Lab of 16 and over must carry a photo ID. To join the lecturer at a restaurant off site for dinner after the talk, contact Melanie Echmalian, [echmalian@bnl.gov](mailto:echmalian@bnl.gov) or Ext. 7681. See story, pg. 1.

#### Saturday, 1/24

##### \*Gathering of the Slides Concert

8 p.m. Berkner Hall. Kerry Kearney Band, Frank Celenza's Hawaiian Posse, and Danny Doll, sponsored by the BNL Music Club. All are welcome. Tickets are \$15 in advance, \$20 at the door. Visitors to the Lab of 16 and over must carry a photo ID. See notice, pg. 4.

### — WEEK OF 1/26 —

#### Monday, 1/26

##### IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

##### \*Defensive Driving, Part I

6-9:15 p.m. Brookhaven Center. See notice, pg. 4.

#### Wednesday, 1/28

##### \*BSA Noon Recital

Noon. Berkner Hall. Kitka Musical Singing Group. All are welcome to this free concert of exciting Balkan, Slavic, Georgian, and Armenian folk music, sponsored by Brookhaven Science Associates, the company that manages BNL. Visitors to the Lab of 16 and over must carry a photo ID. See notice at left.

#### Thursday, 1/29

##### \*Defensive Driving, Part II

6-9:15 p.m. Brookhaven Center. See notice, pg. 4.

### — WEEK OF 2/2 —

#### Tuesday, 2/4

\*Eric Forsyth Shows Sailing Video  
Noon. Berkner Hall. Sponsored by the Brookhaven Retired Employees Association, retiree Eric Forsyth will show a video of his latest sailing adventure, to the west coast of Greenland. All are welcome to this free event.

## Arrivals & Departures

### — Arrivals —

Yong Chu ..... NSLS II  
Pedro De Castro Faria Salgado .....  
..... Physics  
Sunej Hans.....Chemistry  
Christopher LoPreto... Lab Protec.  
Kevin Mernick..... C-AD  
Russell Wilkins, Jr.... Rad. Control  
Oleg Tchoubar .....NSLS-II

### — Departures —

Sugadev Ragumani ..... Biology



## Classified Advertisements

### Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at [www.bnl.gov/HR/jobs/](http://www.bnl.gov/HR/jobs/).

To apply for a position, go to [www.bnl.gov](http://www.bnl.gov). Select "Job Opportunities," then "Search Job List."

**OPEN RECRUITMENT** – Opportunities for Lab employees and outside candidates.

**POSTDOCTORAL RESEARCH ASSOCIATE (Physical Chemistry)** – Requires a Ph.D. in chemistry, possibly physics or materials science. Experience with kinetic spectroscopy, especially with lasers and/or accelerators desired, as is the ability to handle chemicals. Analytical thinking, analysis and mathematical of experimental data is also desired. The successful candidate would contribute to measurements of electron and exciton mobilities in conjugated polymers and relaxation processes in ionic liquids. Candidate would also assist with development of the ultrafast single shot detection system to improve its performance and especially its usability. Under the direction of J. Miller, Chemistry Department. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #14717.

**POSTDOCTORAL RESEARCH ASSOCIATE (In-Situ Microscopy on Model Catalysts at Elevated Pressure)** – Requires a Ph.D. in chemistry, physics or a related field and experience in variable-temperature UHV-STM. Expertise in a broader range of surface science methods (XPS, ISS, LEED), and in the preparation of well-defined metal single crystal surfaces and oxide thin films is a plus. The research will focus on the interplay between catalytic reactions at near-ambient pressure and the morphology and composition of the catalyst, determined by high-pressure scanning tunneling microscopy (STM) and by complementary spectroscopic methods. The CFN is science-based user facility. Interaction and scientific collaboration with CFN and BNL staff and with facility users is encouraged. When applying for this position, please attach curriculum vitae, publication list, and a brief (1 page) statement of research interests. Under the direction of P. Sutter and D. Starr, Center for Functional Nanomaterials. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #14718.

**CUSTODIAN POOL (LG-1) (Temporary – Part-time)** – Under general supervision, performs general cleaning and housekeeping duties in all Laboratory buildings. Will be assigned on an on-call-basis. Site Services Division. Apply to Job ID #14397.

### Motor Vehicles

03 HONDA ACCORD EX COUPE BLACK - leather int, heated seats, extras, rear sport scoup, orig. owner, well maint'd, excel. cond. 70K mi. \$8,000/neg. 905-5046.  
03 MERCURY MARAUDER - black/black, rem. start, 6 CD Changer, loaded, warr., excel. cond. 19K mi. \$18,500/neg. 379-7961.  
02 VW JETTA - GL Sedan, red. 4cyl. 2.0 liter 5spd manual, 30 mpg. a/c, excel. cond. 97K mi. \$5,500/neg. =872-7303.  
98 HONDA ACCORD EXV6 - excel cond, 4dr dk grn, a/t c/c, a/c, p/w, cd, amfm, abs, autolock, loaded, pwr sunroof leather seats 110 mi. \$5,100/neg. 8397712.  
97 DODGE CARAVAN SE - v6, a/c, p/w, p/l, p/s, c/c, 2-slide drs, seats, 3 rows, 2 removable, for home/busi., runs well, look 145K mi. \$1,800/neg. Denise, Ext. 7860.  
91 HONDA CIVIC - 4 spd manual, new starter, batt., brakes, tint windows, carpet/paint, re-built motor. 70K mi. \$1,400/neg. 960-6243.  
TIRES - used 2 days, from '92 Nissan Stanza, MFG Geostar 195/65R14 new valves 14.5/2x 5.5 rims 4 lug, \$100. Ext. 5288.

### Furnishings & Appliances

**BED- FULL SIZE** - \$100, includes box spring, 54" x 75" mattress in great condition, and metal frame. Adam, Ext. 3759.  
**COMPUTER DESK** - w/hutch 53" w x 30" h x 29" d, gd. cond. Robert, Ext. 4867 or 457-3171.  
**UPRIGHT PIANO** - cable, reg. tuned, '79, great sound, \$750. Nelly, 495-7866.

### Audio, Video & Computers

54-DISC - Complete Collection boxed-set, currently sells for \$220 on Amazon.com., ask/ \$140obo. James, Ext. 2288.  
**CELLPHONE** - w/camera, Verizon Samsung model A670, gd. cond. w/ charger/manual, \$15. Ext. 3621.  
**DANCEDANCE REVOLUTION UNIVERSE** - DanceDance Revolution Universe for the Xbox 360. Only used twice. Game + Pad. \$40. Jason, Ext. 8647.  
**SURROUND SOUND SYSTEM** - 5 zspkr, Ventura, \$20. Ext. 2080 or 751-5245.  
**TRIDENT 4T CHANNEL STRIP** - great pre-amp strip for powerful recording w/ any instrument/microphone, \$600. Jason, Ext. 8647 or 987-8326.  
**VCR** - Toshiba M635 stereo, with remote. new cond., \$15. Grado SR60 headphones new in box. \$30. Steve, Ext. 4719.

### Sports, Hobbies & Pets

**AB LOUNGER SPORT** - excel. cond., \$50. Nancy, Ext. 4567.  
**AB ROLLER, CARDIO CRUISER** - Ab Roller by Jake - \$60, Cardio Cruiser - \$85, 6ft. Wood Ladder - \$15. All in Great Condition. . 645-6131, Ext. 7459.  
**DJ EQUIPMENT N MUCH MORE** - 2 Turntables, mixer/fader, coffin for tables, stand for coffin, Tons of RARE ORIGINAL hip hop records. Jason, Ext. 8647.  
**SLIDE** - plastic wave for swing sets. \$20.00. Steven, Ext. 4719.

### Tools, House & Garden

**FIREPLACE DOORS** - Antique Brass, glass w/screens. 53"x33" \$75. Steve, Ext. 4719.

### Miscellaneous

**TICKETS** - 6 tkts to Atlantis Marine World, Riverhead, no expiration, \$12/ea. Ext. 5979.

### Farewell Gatherings

**BILL HEMPFLING** - Retirement party, Friday, Feb. 27, Brookhaven Center - South Room, 5:30-8p.m., \$35/pp. Leesa, Ext. 2700.  
**LENNY NEWMAN** - Chinese Banquet @ Lotus East II, Mt. Sinai. Tues, Feb. 10, 6 p.m., \$40/pp, RSVP by Jan. 26. Contact . Nancy, Ext. 3275.

### Wanted

**CAMCORDER** - Hi-8 Analog; DVD Recorder, willing to pay a reasonable price. Joann, Ext. 5209.  
**COMPUTER** - James, Ext. 4669.  
**FLUTE LESSONS** - Looking for beginner flute lessons for an 11 year old. Must have refs. Jeanne, Ext. 4929.  
**HOUSE TO RENT** - by Feb., near BNL, 1 bdrm for single person, sharing. Satya, Ext. 4648 or 506-6505.  
**HOUSE TO RENT** - in Center Moriches, 3-4 bdrm, south of Main St., long term lease, ref. avail, need for July or earlier. 487-5717.  
**PITCHERS & CATCHERS** - for Long Island Knights, 16u travel baseball team, playing local tournaments & Baseball Heaven. Veronica, 631-281-6399.

### For Rent

**BELLPORT VILLAGE** - On Great South Bay, view of Fire Isl., cozy 2 bdrm, 1 bath, eik, gas stove, w/d, part furn., util. incl. \$1,400/mo. Chris, 289-4641.  
**BELLPORT VILLAGE** - 2 bdrm, 2 bath house, lg kit., d/r, l/r w/fp, wood flrs, 2 screen porches, fenced yd, patio, +utils. \$1,600/mo. 286-9203.  
**CENTER MORICHES** - 3 bdrm, 1.5 bath house, eik, d/r, l/r, den, gar., bsmt, beach & boating rights. \$1,900/mo. 846-4331.  
**CENTER MORICHES** - 1 bdrm, full bath, W/D, l/r full kitchen combo, gas stove, includes utilities (A/C too) & cable, 1 mo. sec. \$1,000/mo. Chris B., 631-736-2275.  
**NAPLES, FL** - 2 br, 2 ba fully furn. condo in gated golf comm., special Jan. rate, monthly rental avail. from 4/1. \$750/wk. 523-7870.  
**RIDGE** - priv. house, 1 bdrm. grd. level apt, all oversized rms, kit., l/r, b/r, bath, incl all util except cable. \$1,200/mo. 275-0694.  
**RONKONKOMA** - 3-bdrm apt., 15 min. to BNL/SBU, 2 min to LIRR, 1 hr to NYC, modern kit., l/r, quiet deadend st, priv drwy, utils not incl. \$1,675/mo. 664-8291.  
**RONKONKOMA** - Mint 4 bdrm/2 bath, f/p, screened in porch off br, w/d, 2 ac's, own entr + lg yd. 15min to BNL/SBU. 2min to LIRR. utils not incl. \$1,875/mo. 664-8291.  
**SELDEN** - 1 master bdrm. condo village in the woods, all new fully furn., bath, d/r, l/r kit., approx. 15 min to Lab. \$1,200/mo. Michelle, Ext. 4660 or 294-2399.  
**SHIRLEY** - lg 1 br bsmt, lrg l/r, all incl., near Lab, prkws, many parks, suitable for 1, 1 mo. rent, 2 mo. sec. \$725/mo. Ext. 3846.  
**SHIRLEY/ SOUTH HAVEN** - 4br Victorian, cathedral ceilings, 2.5 bath, l/r, fam rm, eik, laundry w/w/dr, full bsmt, lg deck, 1 acre, 1 mo. sec. \$2,600/mo. 286-3204.  
**U.S. OR FOREIGN** - Marriott lux timeshare, u pick place/wk, 2 br, 2 bath, kit.,d/r, w/d, a/c, all amenities, 7/1/09, FL, HI, CA, Spain, Las Vegas, great value. \$1,100/wk. Nancy, Ext. 4567 or 516-241-4598.

### For Sale

**DEPOSIT, NY** - 4 BR, 1.5 bath, d/r, l/r, kitch, 2-car det gar, 2 porch, 1/4 acre, walk to town, short drive to Hunt/Fish, Canoe, gas heat/wtr, sewers, 4hrs to BNL \$92,500/neg. Pete, Ext. 5761 or 631-775-6950.

**MASTIC** - 3 bdrm house, oakwd flrs., l/r, d/r, eik, 2 bath, 2.5 gar., shed, appli. incl., Anderson windows, full fin. bsmt., new energy eff., cac, more. \$297,800/neg. 744-4077.  
**MILLER PL/ SOUND BEACH** - 3 bd, 2 bath ranch, legal 2-fam, diamond rated, open house Sun. 1/25, 1-3 p.m., 3 Adams Av., Corner Adams & N. Country, \$395,000/neg. 872-9268.  
**ROCKY POINT** - 3bdrm, 1.5 bath, Garage & workshop. .59 acre park-like setting. Move-in cond. \$320,000/neg. Rolf, Ext. 2305.  
**SHIRLEY** - 3 bdrm., 1.5 bath, ranch, great rm, bsmt, igs, deck, fully fenced yd, \$259,000/neg. Ext. 3927.  
**SHOREHAM** - 4 bdrm., 2.5 bath Col., frml l/r & d/r, den w/fp, fin. bsmt, 12 x 20 deck, igs, new granite counters, SWRSD, more, 7 mi to Lab. \$499,900. Ext. 2253 or 821-3320.

### Cafeteria

**RAFFLE: SUPER BOWL PARTY PACKAGE FOR 10** - Nyarsons offers free raffle tickets at cafeteria. Win buffalo chicken wings, BBQ'd ribs, heros, 2 salads, chips, sodas, cookies, & all paper goods. Play often: no purchase nec. Two winners, drawn on 1/23.

### In Appreciation

On behalf of our Mom, we would like to thank all our friends at BNL for their support and comfort during the Christmas Eve passing of our Father, Richard Baulch. Your thoughts & prayers were greatly appreciated. —David Baulch and Janet Soper

### Vanguard Retirement Counseling, 1/29

On Thursday, January 29, you may meet one-on-one with a licensed retirement planning counselor from Vanguard for an in-depth consultation, in the Human Resources Office, in Bldg. 400B. Go to [www.meetvanguard.com](http://www.meetvanguard.com) or call 1-800-662-0106, Ext. 14500 to schedule. Financial questions to discuss might include: How much should I save for retirement? Am I saving enough? How do I choose the right investments? When can I afford to retire? The 45-minute session is free, and you do not have to be invested in Vanguard. Your spouse or partner is welcome to attend your meeting. Appointments are available 8:45 a.m. – 4:30 p.m.

### Defensive Driving Course In Two Parts, 1/26 & 29

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on Mon. and Thurs., Jan. 26 and 29, in the Brookhaven Center South Room, from 6 to 9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

## Forget the Hot Chocolate...Go for a Bike Ride!



Roger Stoutenburgh D2821208

# BERKNER HALL

## GATHERING OF THE SLIDES

### FEATURING THE KERRY KEARNEY BAND

### SATURDAY, JAN. 24

### 'Gathering of the Slides'

The seventh annual "Gathering of the Slides," a blues concert featuring the Kerry Kearney Band, Frank Celenza's Hawaiian Posse, and Danny Doll, will be held on Saturday, January 24, at 8 p.m. in Berkner Hall. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Kearney returns for the seventh year performing his brand of Blues and Americana slide guitar that he calls "Psychedelta." Band members include Kearney on guitar, Frank Celenza on bass, Eileen Murphy on drums, and Charlie Wolf on harmonica. In addition, Celenza's own band, Hawaiian Posse, will perform original ukulele tunes in a traditional style. Danny Doll will round out the show, playing acoustic finger-picking American roots music.

Tickets are \$15 in advance and \$20 at the door. Some Golden tickets are available at \$30. Golden tickets come with dinner, a meet-and-greet with the band, and a limited-edition signed poster of the event. Tickets can be purchased through [www.ticketweb.com](http://www.ticketweb.com), at the BERA Store, or by calling Ext. 3846.

### Technology Maturation Proposals Deadline, 2/1

BNL's Office of Intellectual Property (OIP) is now soliciting proposals for the Technology Maturation (TM) awards that will begin in Fiscal Year 2009 (FY09). Funding for new TM projects is expected to begin in June 2009. It is important to note that for FY09 there will be just one single call for proposals for TM funding. The purpose of the TM Program is to facilitate technology transfer from BNL to the private sector. OIP anticipates funding projects aimed at moving research from the "proof of concept" stage to a degree of development sufficient to support pilot-scale operations. The TM program will fund late-stage research that can be transferred to a partner at the end of the funding period. For more details, including the TM program review procedures and criteria, see: <http://www.bnl.gov/techxfer/>. For more information, contact the Office of Intellectual Property, oipsr@bnl.gov, Ext. 3035, or Ext. 4151.

### Free Antibiotics

As part of a health and wellness initiative that started January 2 and will continue through March 21, Stop & Shop is offering families up to a 14-day supply of the most commonly prescribed generic antibiotics for free. Present your valid prescription from your physician. This free service includes nine antibiotics in the following forms: oral tablets, capsules, liquids and select ophthalmic ointments. Injectables are not included. The antibiotics include amoxicillin, ampicillin, bacitracin, cephalixin, ciprofloxacin, doxycycline HYC, erythromycin, penicillin, SMZ/TMP. Not all dosages may be included and maximum quantities apply. You can use this service for new prescriptions as well as refills. This service will not be billed to your insurance company, so you should not provide your medical plan ID card at the Stop & Shop pharmacy. For additional information, contact your local Stop & Shop pharmacy.

On the Web, the Bulletin is located at [www.bnl.gov/bnlweb/pubaf/bulletin.html](http://www.bnl.gov/bnlweb/pubaf/bulletin.html). A calendar listing scientific and technical seminars and lectures is found at [www.bnl.gov/bnlweb/pubaf/calendar.html](http://www.bnl.gov/bnlweb/pubaf/calendar.html).

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