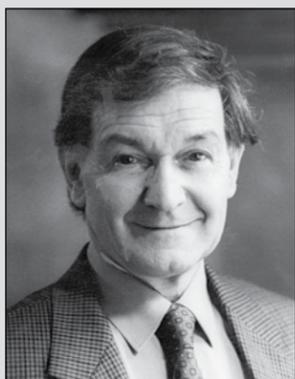


BSA Distinguished Lecture, 2/6

Roger Penrose
Wolf Prize Co-Winner
With Stephen Hawking
Gives Talk on
'Before the Big Bang'

Mathematical physicist Roger Penrose, University of Oxford, England, will give a BSA Distinguished Lecture titled "Before the Big Bang? A Novel Resolution of a Profound Cosmological Puzzle," on Tuesday, February 6, at 4 p.m. in Berkner Hall. BSA-sponsored lectures are free



and open to the public. Visitors to the Lab age 16 and over must bring a photo ID.

Penrose is currently Emeritus Rouse Ball Professor of Mathematics at Oxford and Emeritus Fellow of Wadham College. His early work with Stephen Hawking was honored by the Royal Astronomical Society's award of the 1975 Eddington Medal to each scientist, and by their each being awarded the 1988 Wolf Prize in Physics for their development of the theory of general relativity.

In this talk, Penrose will discuss the beginning of the universe — the Big Bang — which, he explains, must have been an extraordinarily precisely organized state. How can such a special state have come about? Penrose will suggest a novel explanation, examining what is to be expected in the remote future of the universe, with its observed accelerated expansion. This, he will say, also has curious implications with regard to particle physics.

Among Penrose's other honors are the Royal Society's Royal Medal in 1985, the Dirac Medal and the Prize of the British Institute of Physics in 1989, the Albert Einstein Medal in 1990, and the Naylor Prize of the London Mathematical Society in 1991. He was knighted in 1994 for services to science and received the DeMorgan Medal in 2004.

Penrose is also the author of eight books, most recently, *The Road To Reality: A Complete Guide to the Laws of the Universe*, 2004. Also in 2004, he was elected Foreign Associate of the U.S. National Academy of Sciences.

— Diane Greenberg

BNL Honors 15 Employees With FY2007 Awards

At the Fiscal Year 2007 BNL Employee Recognition Award Ceremony held on Wednesday, January 10, Lab Director Sam Aronson and others congratulated 15 BNL employees for their talent and dedication, which won each awardee \$5,000.

Science & Technology Award recipients are: Michael Blaskiewicz, Collider-Accelerator (C-A) Department; Christopher Homes, Condensed Matter Physics & Materials Science Department; Jean Logan, Medical Department; Larry McLerran, Physics Department; and Zhong Zhong, National Synchrotron Light Source Department (NSLS).

Engineering Award recipients are: Richard Biscardi, NSLS; Edmond Desmond, Physics; Gary McIntyre, C-A; Shigeki Misawa, Physics; and Alexander Pendzick, C-A.

Brookhaven Award recipients are: Peter Eterno, Plant Engineering Division; John Hynan, Facilities & Operations Directorate; Stephanie LaMontagne, C-A; Diane Rocco, Environmental & Waste Management Services Division; and Lisa Toler, Nonproliferation & National Security Department. The winners of the awards will be featured in this and future Bulletins.

Presented by Peter Bond, Deputy BNL Director for Science & Technology (Interim), the Science & Technology Award recognizes distinguished contributions to BNL's science and technology mission over one or more years.

Contributions may be in any scientific or technical discipline other than engineering and computing. Nominations for the Science & Technology Award are made by organization heads. The Lab-wide selection committee for this award consists of the five Associate Laboratory Directors for scientific programs, or their designees, who made recommendations to the Lab Director for final approval. The three criteria considered for this award are: the exceptional nature of the employee's contributions, their level of difficulty, and their benefit to BNL. — Liz Seubert



Science & Technology Award recipients are: (clockwise, from left) Zhong Zhong, National Synchrotron Light Source Department; Christopher Homes, Condensed Matter Physics & Materials Science Department; Michael Blaskiewicz, Collider-Accelerator (C-A) Department; Larry McLerran, Physics Department; and Jean Logan, Medical Department.

Michael Blaskiewicz



A physicist in the Collider-Accelerator Department, Michael Blaskiewicz is an accelerator science specialist in the area of beam dynamics and radiofrequency acceleration, with notable accomplishments in both theory and experiment. With co-workers, he has successfully demonstrated bunched beam stochastic cooling in the Relativistic Heavy Ion Collider (RHIC). This outstanding achievement opens the way to greatly increased beam luminosity, which improves experimental possibilities.

Stochastic cooling of bunched beams had been attempted previously, but Blaskiewicz applied his expertise in theoretical

(continued on page 2)

BNL Science Positioned to Assist In Global Nuclear Energy Initiative

Contributing to DOE-supported Global Nuclear Energy Partnership to expand safe, 'green' use of nuclear energy



Michael Todosow (left) and Bob Bari, both of the Energy Sciences & Technology Department

BNL is well positioned to contribute to a critical national program that aims to expand the safe and "green" use of nuclear energy worldwide. The Global Nuclear Energy Partnership (GNEP), launched a year ago as part of the President's Advanced Energy Initiative, seeks to develop international consensus on using more nuclear energy to meet growing electricity demand and limit greenhouse gas emissions while enhancing security in promoting nonproliferation of nuclear materials.

GNEP proposes private-public-international partnerships to develop advanced technologies to recycle used nuclear fuel, reduce the amount of waste that needs to go into long-term geological storage, and avoid misuse of nuclear materials. DOE's Office of Science will support the program by funding basic research to improve the understanding of materials' structures, properties and chemical processes; measure nuclear physics properties; and develop models to simulate fuel-cycle systems.

Lab's Long Expertise Is Valuable Resource

Because of the Lab's long expertise in nuclear reactor technology and waste transmutation, as well as its more recent pioneering role in addressing nonproliferation issues, BNL expects to be of value in the program.

"Brookhaven can play an important role in advising and evaluating plant design in the early stages of design for safety, proliferation resistance, and physical protection of plants," said Bob Bari of the Special Projects Office of the Energy Sciences & Technology Department (EST). "With the National Nuclear Data Center headquartered here, and the Center for Functional Nanomaterials and, we believe, the National Synchrotron Light Source II soon to be added to the list of BNL facilities, we will be well positioned to aid in this effort."

BNL's nuclear engineers may be joined by Lab mechanical, structural, and chemical engineers as well as physicists and chemists to work with DOE on the design of advanced burner reactors and fuel-reprocessing plants. EST's Nuclear Science & Technology Division has been receiving approximately \$1 million annually to work on fuel-cycle issues.

"BNL has been involved for many years in exploring options for addressing the issues associated with spent fuel from commercial nuclear reactors so as to reduce the toxicity of the waste, and maximize the capacity of a geological repository so as to delay or avoid the need for additional repositories," said Michael Todosow, who heads EST's Nuclear Science & Technology Division. "This work has been performed most recently under predecessor programs to GNEP, such as the Advanced Fuel Cycle Initiative and Advanced Accelerator Applications, involving both analyses and experiments utilizing BNL accelerator facilities."

Office of Science Holds GNEP-Related Workshops

During the summer, the Office of Science held a series of workshops on GNEP-related technologies, including nuclear reprocessing technologies, advanced fuels and materials, advanced simulations, and more. Several BNL researchers participated, including the Chemistry Department's John Miller, Jim Wishart, and Sergei Lyamar, who attended the Basic Energy Sciences (BES) Advanced Nuclear Energy Systems workshop.

"This large and complex workshop offered an exciting opportunity to define basic scientific questions that, if answered, can remove barriers to safer, more efficient and proliferation-resistant nuclear power plants and fuel cycles," said Miller. "BES has issued a call for pre-proposals that we hope will lead to new BNL funding supporting research for these advanced systems."

In addition to the research and development efforts at its national labs, DOE seeks input from the nuclear industry. — Kay Cordtz

Inside Stories — Don't Miss Them!

- Top Honors:**
BNL's "Passion for Discovery" brochure and Take5 video awarded
- Then & Now:**
Site Plans, 1947, 2007, marking 60 years of BNL history
- Internal Audits:**
Concerning all employees and Lab community

CALENDAR
OF LABORATORY EVENTS

- The BERA Store is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermediate, Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

Mondays: Pilates/Yoga
12:15 p.m., Rec. Hall, Ext. 5090.

Mondays & Thursdays: Kickboxing
\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Tue. & Thu: Ving Tsun Kung Fu
Noon-1 p.m., Brookhaven Center, North Room. Taught by Master William Moy. Tuition. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Mon., Thurs., & Fri: Tai Chi
Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tues. & Thurs: Jazzercise
Noon, Rec. Hall, Ext. 5090.

Tuesday & Thursday: Aerobic Fitness
5:15 p.m., Rec. Hall, 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, flood@bnl.gov.

Tuesday & Thursday: Aqua Aerobics
5:15 p.m., Pool, Ext. 5090.

Tuesdays: Welcome Coffee
10 a.m.-noon, apartment area gazebo. First Tuesday of every month is special for lab newcomers and leaving guests. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club
Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club
6:30-7:30 p.m. Gym. All levels, ages 6 and above. \$10/class. Tom, Ext. 4556.

Tuesdays: Toastmasters
1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, Room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/.

Tue., Wed. & Thu: Rec Hall Activities
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Wed. & Fri: On-Site Play Group
10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. Arup Ghosh, Ext. 3974; Donna Gadowski, Ext. 2720; or Vinita Ghosh, Ext. 6226.

Wednesdays: Weight Watchers
Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga
Noon-1 p.m., B'aven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Pilates/Yoga
5:15 p.m., Rec Hall, Ext. 5090.

Thursdays: Reiki Healing Class
Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholm, Ext. 2027.

Fridays: Family Swim Night
5-8 p.m. BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

CIGNA at BNL, Mondays

On Mondays, 10 a.m.-1:30 p.m., Janice Petgrave, CIGNA, will be available by appointment only to assist CIGNA participants with claims issues that they have been unable to resolve themselves. To schedule a 30-minute appointment in Bldg. 185, call Linda Rundlett, Ext. 5126. Bring all pertinent documentation to the meeting.

CEGPA Products for BNL News Take Top Honors

Two BNL entries from the Community Education, Government & Public Affairs Directorate (CEGPA) have won top honors in an annual contest sponsored by the Boston and Northern New England chapters of the Society for Technical Communications.

Awards of Distinction were given to an episode of Take 5, BNL's monthly electronic video news feature, and to the Lab's general brochure, Passion for Discovery. Take 5 was a winner in the Online Communications category, and the Discovery brochure won in the category of Technical Publications. Take 5 is the creation of Alex Reben of BNL's video department. The Discovery brochure was edited by Kay Cordtz of the Media & Communications Office, with photography by Roger Stoutenburg and graphic design by Lisa Jansson.

"It is always encouraging to have professionals from your field praise your work and the Society for Technical Communications is highly respected," said Marge Lynch, Assistant Laboratory Director for CEGPA. "Many strong entries

are featured in the regional competition each year, so it's extremely gratifying that our two products were selected for first place and are now moving on to the international competition."

Winners of regional Awards of Distinction are eligible to advance to an international competition. International winners will be announced in April.



(Above, from left) Photographer Roger Stoutenburg, graphic designer Lisa Jansson, and editor Kay Cordtz, who won top distinction for BNL's "Passion for Discovery" general brochure.

(Left) Videographer Alex Reben, whose "Take5" video, one of the monthly Take5 features of the BNL web homepage, also won top distinction in the Society for Technical Communications' recent regional contest.



BNL Honors Five Employees With FY2007 Science & Technology Awards (cont'd)

Christopher Homes



Condensed Matter Physics & Materials Science Department, was cited for his seminal contributions to the development and application of infrared spectroscopy.

Homes is recognized as a world leader in applying infrared spectroscopy to the study of condensed matter physics. By developing a new technique that allows a property known as the absolute reflectance of small samples to be measured at infrared frequencies and above, he has changed the way in which the optical properties

of solids are measured. Homes' outstanding achievements in developing innovative instruments allow very small samples to be measured with extreme sensitivity and stability. This has made it possible to do detailed studies of the electronic properties of strongly correlated electron systems as well as studies of high-temperature superconductors, materials that, at temperatures high enough to be cost-effective, allow electricity to flow through them with no resistance. In addition, by using the new technique to measure reflectance, he recently discovered the universal scaling law for high-temperature superconductors that has come to be known as "Homes' Law" and that is expected to be a key in solving central issues in the

ongoing mystery of how these intriguing and potentially commercially valuable materials behave. — L.S.

Jean Logan



Jean Logan, a senior scientist in the Medical Department, is known throughout the world for her original work in developing mathematical models for analyzing and quantifying positron emission tomography (PET) images. She was cited for the award firstly because of what has come to be known as the "Logan Plot," an image analysis method that she developed in 1990 which has had enormous impact on neuroimaging and

neuroscience. The Logan Plot made it possible for the first time to convert the dynamic information from a PET scan into numbers of binding sites in the brain and other organs. Using the plot, different groups of individuals can be easily compared and the brain circuits which are abnormal in diseases like addiction, obesity, aggression and ADHD can be both visualized and quantified. This has advanced the field of molecular imaging enormously, removing a major barrier to image analysis. As a result, Logan is one of the most widely cited scientists in the molecular imaging field.

Her recent activities, which include modeling the transfer of drugs from mother to fetus, developing new modeling tools

for understanding how drugs affect the liver, and quantifying molecular targets for antidepressant drugs, have all brought new recognition to Brookhaven and have advanced molecular imaging worldwide. — L.S.

Larry McLerran



Over the course of three decades, Larry McLerran, a senior physicist in the Physics Department, has made a number of seminal contributions to high energy nuclear physics. These include a pioneering study of de-confinement phase transition in quantum chromodynamics, the fundamental theory of the interactions of the strong force

that holds together the quarks and gluons making up much of the observable matter in the universe; hydro-dynamical description of high-energy nuclear collisions; pioneering work on photon and dilepton production from quark-gluon plasma; and theory of baryon number violation in the cosmological phase transition.

One of the most recent spectacular achievements of McLerran and his colleagues is the idea of what is known as Color Glass Condensate, a highly original theory of nuclear interactions at high energies. This theory played an important role in the research program at the Relativistic Heavy Ion Collider (RHIC) and resulted in a number of successful predictions. This work led

to new directions of research at RHIC and the future facilities at BNL. McLerran has significantly strengthened the Nuclear Theory Group at BNL, and he is currently extending BNL's international scientific collaborations as a head of the RIKEN-BNL theory group. — L.S.

Zhong Zhong



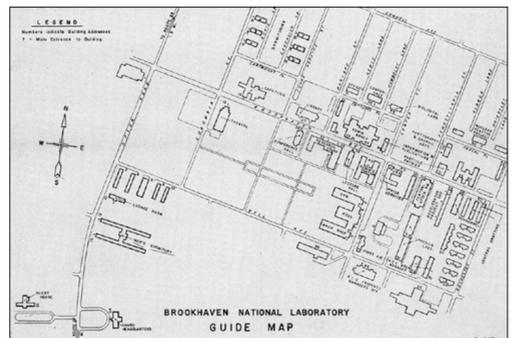
National Synchrotron Light Source (NSLS) Department physicist Zhong Zhong was recognized for leading the development of the first device able to focus a large divergence of high-energy x-rays. The device, called a Sagittal Focusing Laue Monochromator, could be used in about 100 beamline facilities around the world to

conduct scientific research in physics, biology, nanotechnology, and numerous other fields. Zhong's design simultaneously disperses and focuses high-energy x-rays, a goal that has been pursued for many decades by experts in x-ray optics.

The first of its kind worldwide, the monochromator uses a geometry that many others in the field considered impossible. The device, which can increase the intensity of high-energy x-rays in synchrotron radiation beamlines by a factor of 1,000, is in use at two NSLS beamlines already, with at least two more in development. Zhong and his collaborators also won a 2006 R&D 100 Award from *R&D Magazine* for the device. — Kendra Snyder

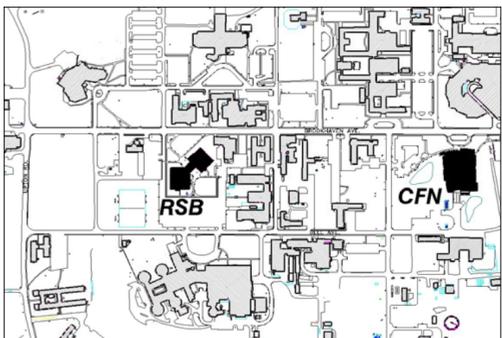
Then & Now — BNL Central Site Maps of 1947 and 2007

To mark the Lab's 60 anniversary, throughout 2007 the Bulletin will feature photos and/or articles to recall the "then" that brought BNL to "now." For research on this topic, in addition to the first reports and publications from the Lab, the book of BNL's early history, *Making Physics*, written by Lab historian Robert Crease, now Chair of the Department of Philosophy at Stony Brook University, has proved a gold mine. *Making Physics*, which includes physics,



Guide map to the central Lab site, August 1947. Note the gym and pool on Center St.; the "Administration" bldg., now containing the Director's Office; the "Guard HQ", now Safeguards & Security HQ; the "H" bldg., then men's dormitories, now Bldg. 475; the old cafeteria replaced by Berkner Hall.

chemistry, life sciences, and other essentials of BNL's story — is available for sale at the BERA Store in Berkner Hall. The Bulletin also asks for tales of old times and the loan of old photos of places and people, to be scanned for publication and returned. Please contact Liz Seubert, lseubert@bnl.gov or Ext. 2346 with stories or photos. Below, two site maps contrast the original layout of part of the site and the many changes that have occurred since that time.



Such changes. The new Research Support Building (RSB) and the Center for Functional Nanomaterials (CFN) take pride of place, but many other "new" buildings, now totally familiar to the present Lab community, are evident. Many will be highlighted in future features in this Then & Now series.

Attn.: All BNL Employees & Site Community Key Safety/Health Internal Audits, 2/5-9

BNL's Integrated Safety Management System is crucial to Lab Operations because it documents, through experience and analysis, how to plan and conduct work in a safe manner at the Lab. It also is a key requirement of our contract with DOE.

Part of BNL's total commitment to the Integrated Safety Management System includes the ISO14001 Environmental Management System (often called EMS), and the OHSAS 18001 Occupational Safety & Health Management System (often called OSH). Each requires an annual internal audit to be conducted by trained personnel. To keep the audit impact on our employees at a reasonable level, the Environmental Management System and Occupational Safety & Health Management System internal audits will be combined this year.

All On-Site Personnel are Expected to Know That:

While the auditors will not interview all employees, all are expected to know that BNL has an Environmental, Safety, Security, and Health Policy. This policy is posted throughout the Lab and is available on the web at www.bnl.gov/eshq/files/pdf/ESSH_policy-9-6_hi.pdf.

Also, all employees must be familiar with the environmental, safety, and health aspects of their work, all hazards associated with it, and the consequences that could result from performing work outside of established controls.

For more information concerning these programs or the audit, you are welcome to contact the following:

Environmental Management System:

George Goode, Ext. 4549; or John Selva, Ext. 8611; your department's or division's Environmental Management System Representative; or your Environmental Compliance Representative.

Occupational Safety and Health Management System:

James Tarpinian, Ext. 8370; Pat Williams, Ext. 8211; your department's or division's Occupational Safety & Health Representative; or your Safety & Health Representative.

Valentine's Day Blood Drive, 2/14

BNL will hold a blood drive on Valentine's Day, Wednesday, February 14, 9:30 a.m. - 3 p.m. at the Brookhaven Center. Donors must be 16 to 75 years of age, in good health, and weighing over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number. To make an appointment, log on to the Human Resources webpage, click on "Blood Drive" and select "Schedule an Appointment". For more information, contact Susan Foster, Ext. 2888, or Liz Gilbert, Ext. 2315.

Nominate BNL Volunteers, Deadline 2/1

BNL, known for a long tradition of volunteerism, is participating in the Presidential Volunteer Service Award Program to honor and recognize employees, retirees, and community members who have volunteered 100 hours or more in a 12-month period.

If you or someone you know qualifies for this award, you are encouraged to nominate them. Members of BNL's Volunteers In Partnership committee within Community Relations of the Community, Education, Government & Public Affairs are coordinating the program for BNL. For more information, and to get the application form, contact Barbara Blenn, Ext. 4458, blenn@bnl.gov; or April Gray, Ext. 2459, gray@bnl.gov; or see www.bnl.gov/community/volunteers.asp. The awards will be presented at an upcoming Lab event. Applications must be submitted to Blenn, Bldg. 130, or Gray, Bldg. 134A, by Thursday, February 1.

The President's Volunteer Service Award program is a way to thank and honor Americans who, by their demonstrated commitment and example, inspire others to engage in volunteer service. DOE is acting as the certifying organization and encourages all volunteers to apply for this recognition.

Hospitality Valentine Dessert Party, 2/11

The Hospitality Committee will host a Valentine's Party on Sunday, February 11, at 2 p.m. at the Recreation Hall, Bldg 317. Beverages and desserts will be served and DJ music will be provided. Participants are welcome to bring a dessert to share. For more information, contact Jing Rochman, 891-9430, or Sharon Sugama, 929-0643.

CALENDAR

— TODAY, 1/26 —

***Employee Lunchtime Tour**
Noon. Berkner Hall lobby. Meet the group to go visit BNL staff meteorologist Victor Cassella, who supplies meteorological data and forecasts in support of BNL science and operations. Call Elaine Lowenstein, Ext. 2400, if you have any questions.

— WEEK OF 1/29 —

Wednesday, 1/31

COSTCO Demo
11 a.m.-2 p.m., Berkner Hall. Incentives & Giveaways will be available for all new members and renewals. Call Rose at 796-9298 for information.

***Talk on Managing Chronic Pain**
Noon-1 p.m. Berkner Hall, Room B. "Chronic Pain: Taking Back Your Life," talk by Claudia Peters Ragni, Executive Director, KPC Center.

Thur-Fri, 2/1-2

PERKS Card Discounts
10 a.m.-2 p.m. Berkner Hall Lobby. Armed with samples and this year's cards, a Perks Card representative and some local merchants will explain available discounts.

— WEEK OF 2/5 —

Tuesday, 2/6

***BSA Distinguished Lecture**
4 p.m. Berkner Hall. Roger Penrose, University of Oxford, England, will give a lecture titled "Before the Big Bang? A Novel Resolution of a Profound Cosmological Puzzle." The lecture is free and open to the public. Visitors to the Lab of 16 and older must carry a photo ID. See story on page 1.

Wednesday, 2/7

Dentistry in the 21st Century
Noon-1 p.m. Berkner Hall, Room B. "Dentistry in the 21st Century" will be presented by Mitchell N. Shapiro, DDS, FAGD. Learn about how current advances in dentistry can help you keep your smile lasting a lifetime. Cosmetic, implant and restorative procedures will be explained to help you become an educated dental consumer. Register by calling Michael Thorn, Ext. 8612.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

BERA Trips

Advanced tickets are required for the following trips. Buy tickets at the BERA Store in Berkner Hall, weekdays, 9 a.m.-3 p.m. Buses leave BNL from the Brookhaven Center.

Atlantic City bus trip on Saturday, 3/3, \$25 per person. Details to follow.

New York Knicks game, Tuesday, 3/20, \$36 includes Section 315 tickets, coach fare, Knicks jersey. Leave BNL at 4 p.m.

New York City's Museum Mile bus trip, Sunday, 4/22, \$10. Leave BNL 9 a.m., city at 6 p.m.

Romeo & Juliet, Lincoln Center, Sunday, May 6, \$69, Bus leaves BNL at 10 a.m., leaves the city at 5:30 p.m.

Cherry Blossom Festival at Brooklyn Botanical Garden, Saturday, 4/28, \$10.

Good Food Offers at BNL Super Bowl Menu, 1/1

On Thursday, February 1, celebrate the Super Bowl in advance at the BNL Cafeteria. Menu Choice: soup; chili con carne, buffalo wings, roast chili rubbed pork with cinnamon apples, Nathan's hot dogs, Italian or American heroes, Philly cheese steak, David's cookies. Also, enter a raffle to win a Super Bowl meal package given out on Friday, 1/2.

Dinner at the Center

Weekdays, 5-6:30 p.m., try a complete dinner at the Brookhaven Center for \$10.95 or \$9.95 plus tax. Or, on Wednesdays, have 10 oz. of ribeye steak, veggie, a starch and 7 oz. Budweiser, for \$11.95 plus tax. Check out other offers, too.

Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday, January 30, and Tuesday through Thursday, February 13-15, to answer employees' questions about financial matters, helping you understand how to protect assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Arlene Lyons, (866) 842-2053, Ext. 4629.

Lunchtime Tour Today: Be Weather Wise! 1/26

Today, Friday, January 26, a BNL Employee Lunchtime Tour will visit BNL staff meteorologist Victor Cassella, who supports BNL science and operations with meteorological data and forecasts. Meet at noon in Berkner Hall lobby. No reservations are necessary.

Service Anniversaries

The following BNLers celebrated service anniversaries during November 2006.

- 35 Years —
Marion BlennauEn. Sci.&Tech.
David McChesneyMagnet Div.
Joseph SkellyC-A
Claire Lambert Comp. Sci. Ctr.
Linwood JohnsonStaff Svcs.
- 30 Years —
Joseph DePace Info. Tech.
Jae JoNNS
Arup GhoshMagnet Div.
John BarryC-A
Leon Lawrence CEGPA
Howard Bell, Jr. Plant Eng.
- 25 Years —
Philip PileC-A
Barry SiskindNNS
Walter Bay Plant Eng.
- 20 Years —
Zheng LiInstrum.
Steven McCuneS&SD
Richard ThorpS&SD
- 10 Years —
Christopher Homes CMP&MS

Arrivals & Departures

— Arrivals —

- Nancy Daneau PPM
Michael Fiorentino Plant Eng.
Anwar Hossain NNS
Elizabeth Korach Medical
Theresa Michna NNS
Thomas Morton HR&OMC
Marco Pigni Energy Sci & Tech.
Dorene Price IP&SR
Heejae Shim Dir.'s Office

— Departures —

- Maneakini Kanungo CMP&MS

Lifeguard Certification

Pre-test on Sunday, 2/4. Ages 15 & over, \$300 fee for course. Call Ext. 3496 for information.

Adult Swim Lessons

Lessons begin on Wednesday, 3/4, for 8 weeks at the pool, 5:30-6:30 p.m. Fee is \$80 payable to BERA. Mail check to the Recreation Office, Bldg. 400. The \$3 charge or monthly pass to enter the pool costs extra.

'The Gathering of the Slides V' Concert, 2/24 With the Kerry Kearney Band, Little Toby Walker, Kane Daily Band & Dee Harris

"The Gathering of the Slides V," a blues concert featuring the Kerry Kearney Band, Little Toby Walker, the Kane Daily Band, and Dee Harris will be held on Saturday, February 24, at 7 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.

Tickets for the concert cost \$15 each. Tickets may be purchased in advance electronically at www.ticketweb.com. Early purchase is recommended because "The Gathering of the Slides" concerts have been sold out in the past.

Pick a Summer Student

Student applications for the summer 2007 undergraduate science internship programs sponsored by DOE's Office of Workforce Development for Teachers & Scientists are now available for review on an electronic database. Contact Kathy Gurski of the Office of Educational Programs (OEP) at Ext. 4503 or gurski@bnl.gov for the database address and passwords.

Selections for the first round choices must be submitted by February 28. Students will be here for ten weeks, from June 4 to August 20. Stipends, housing, and travel are funded through OEP with a \$1,000 cost share requested from the hosting department. See www.bnl.gov/scied/ for more information.

Benefits Office Reminder: Proof of Student Status

All medical/dental plan participants are reminded to submit an updated proof of student status to the Benefits Office, Bldg. 185, for the upcoming college semester. The Benefits Office will submit this to the insurance company on your behalf. To be eligible for benefits, children over age 19 must be unmarried, a full-time student attending an accredited college or university and primarily supported by you. Dependents who meet this criteria are covered until the end of the year age 23 is attained. You must notify the Benefits Office if you have dependents on your coverage that do not meet the above criteria. These dependents may be eligible for COBRA benefits. For more information, call the Benefits Office, Ext. 2877 or 5126.

Send a Love Note to Your Valentine

Is there a special message you'd like to send to your valentine? Are you looking for a valentine? You can have your Valentine's Day message printed in The Bulletin on February 16. Send your 15-to-20 word "love note" to The Bulletin by Thursday, February 8. If you use paper, send it to BNL, The Bulletin, Bldg. 134, Upton, NY 11973, and mark the envelope "Valentine's Day." If you use

the forms on the web, use the form for "Miscellaneous," and mark it "Valentine's Day" at the beginning of the message. Or, e-mail your message to bulletin@bnl.gov. You must include your name and life number and extension or home phone, but your name will not be printed unless it is clearly part of the message. Copy must be deemed tasteful. All "love notes" will be accepted at The Bulletin's discretion.

port the Director of Conventional Facilities in managing and directing the construction activities for NSLS-II. Major responsibilities include supporting the engineering and design process to assure constructability of design and accuracy of cost estimates and schedules and directing the coordination and management of construction contracts by the NSLS-II Conventional Facilities Construction Management Team, including the Construction Management Contractor, Commissioning Contractor, and BNL Plant Engineering support team. Reports to the NSLS-II Conventional Facilities Division Director. National Synchrotron Light Source-II.

TB3623. PROJECT ENGINEER I (P-9, ERAP eligible) - Requires a master's degree or Ph.D. in nuclear physics, chemistry, nonproliferation research, information technology, or mechanical, electrical or nuclear engineering, ten years' experience or hands-on engineering, development, nuclear facility operations, and/or policy studies related to the above topic areas; including five or more years' experience in one or more of the following: international or domestic safeguards; design, specification, operation, and/or maintenance of nuclear radiation measurement technology and instrumentation, containment/surveillance systems, and unattended and remote monitoring systems; embedded software and software platforms, systems analysis, and project management. Excellent interpersonal, oral and written communication skills, proficiency with software tools such as Word, Excel, PowerPoint, and Outlook, a demonstrated ability to work independently and with U.S. and foreign scientists, engineers, and government officials, excellent organizational skills, experience working in a program/project manager role, and willingness to perform administrative duties such as procurement, file maintenance, meeting planning and travel planning, are required. United States citizenship and a DOE - Q clearance, or the ability to obtain and maintain a DOE - Q clearance, are required. In addition, this position will require significant domestic and international travel. A future two-year assignment to Vienna, Austria, is possible. Job responsibilities include evaluation of technical proposals, advising U.S. government officials and international organizations, oversight of technical projects, and participation in technical meetings through publications and presentations. Nonproliferation & National Security Department.

TB4233. BUDGET SPECIALIST (A-6) - Requires a bachelor's degree in accounting, business administration, or equivalent, and four years' relevant experience. Excellent written and oral communication skills, proficiency in Excel and other MS Office products, plus experience with PeopleSoft Financials including budget, forecast, queries, and reports are required. Must have the ability to exercise a considerable degree of initiative and judgment. The candidate will provide support for the Energy, Environment & National Security Directorate (EENS). Responsibilities will include budget and forecast development, analysis of costs and commitments, financial analysis and reporting, rate development, DOE Field Work Proposals and Work for Others proposal processing. Energy, Environment & National Security Directorate.

ADS OMITTED - Some ads have been omitted due to lack of space. To see all ads, go to www.bnl.gov/bnlweb/pubaf/bulletin/2007/bb012607.pdf.

Motor Vehicles & Supplies

04 VW JETTA GLS - 1.8 turbo Tiptronic trans, blk., pwr. m/rf, htd mirrors/seats, airbag curtain. 25K mi. \$14,950/neg. Ext. 7277.

04 TOYOTA SIENNA - LE, auto sliding door, rear air, new tires & brakes, 51K mi. \$13,300/neg. Kim, Ext. 2786 or 816-9088.

03 HYUNDAI TIBURON - 6-spd. manual, sports pkg., fully equipped, excel. cond. 30K mi. \$11,000. Ext. 5149 or 929-0961.

02 KIA RIO - blue sedan, v. economic, gd cond., new brakes & batt., am/fm, a/c, air bags. 62K mi. \$4,250/neg. Ext. 3821.

01 OLDSMOBILE ALERO - silver, 2dr, p/w, p/l, leather, CD, a/t, 100K mi. \$5,000/neg. 744-7566.

00 TOYOTA SOLARA SE - orig. owner, excel. cond. 90K mi. \$7,900. 680-5645.

99 SUBARU LEGACY WGN - 4dr., abs, a/t, a/c, awd, c/c, p/b, p/w, c/c, keyless entry, rf rack, more. 72K mi. \$6,750/neg. 331-4538.

99 MITSUBISHI ECLIPSE - 4cyl, a/t, am/fm/cd. 80K mi. \$4,000/neg. 286-3545.

98 FORD EXPEDITION XLT - 4WD, 5.4L, 3rd seat, leather, 6CD, loaded, white/tan, excel. cond. 123K mi. \$7,600. Ext. 7294.

95 TOYOTA COROLLA - a/t, a/c, am/fm/cass, air bags, abs, p/s, p/l, p/w, good cond. 137K mi. \$2,400. Ext. 4356.

95 MITSUBISHI ECLIPSE RS - 2dr, white, a/c, a/t, pwr. m/rf, mp3 cd, 30 mpg. 175K mi. \$1,200/neg. Bjorn, Ext. 5068 or 965-8013.

94 JEEP GRAND CHEROKEE LAREDO - 4wd, V8, loaded, good cond., orig. owner. 140K mi. \$3,500/neg. 928-5456.

90 DAKOTA PICK UP - a/t, a/c, am/fm, runs well. 65K mi. \$800. Tirre, 772-8573.

84 PORSCHE 944 - excel. cond., garaged, 130K mi. \$4,200/neg. 516-702-3186.

41 JOHN DEERE MODEL A - tractor, restored to like new, converted to 12 volts, incl. JD 2 bottom plow. \$4,400. 886-1182.

So Winter Finally Came — and on Monday, 1/22, It Snowed!



CAR COVER - used once, med. sz w/storage bag, 4-yr. warr., dust & mildew resistance. \$75. Fred, Ext. 5319 or 369-9720.

NEW TIRES - 265X75X16 mounted on GM aluminum rims, 6-lug for truck. \$500 firm. Carl, Ext. 3084 or 369-3730.

Furnishings & Appliances

CONVERTIBLE CRIB - Baby Italia (Tuscan), drop side, conv. to toddler bed, exc. cond., \$150; mattress, \$40. Ext. 3037.

DINETTE SET - light oak w/Formica top, 42"x60" w/leaf, 4 swivel chairs w/caster bases, vg cond. \$350. Brian, Ext. 2799.

MIRROR, FURN. - antique oak, b/vld glass, carved, bronzed detail mirror, 41.5"wx 37", pic. avail., \$300. Ext. 5744 or 929-4440.

HOUSEHOLD - from 1-pers. house, bed, futon, tbls, chrs, cabinets, m/wave, kitchenware, more, mvg., selling all in one pkg. for \$400. Bjorn, Ext. 5068 or 965-8013.

PIANO - Winter uprt, gd cond., nds tuning, orig. ask. \$1,000, now \$700. 286-1018.

REFRIGERATOR - white Frigidaire, 18.2 cu. ft., \$100. Ext. 2094 or 831-3469.

REFRIGERATOR - GE sd-by-sd refrig/frzr, white, never used, cold water and ice dispensers. \$150. Ext. 5287 or 676-5813.

SECTIONAL, ROCKER, MISC. FURN. - Natuzzi scnl. couch, rocker w/ottoman, lg. crm desk, bkscse, all gt. cond. 331-3540.

SLEEPER SOFA, LOVE SEAT - black cloth, full sz bed. \$150 obo. Ext. 5287 or 676-5813.

TOASTER OVEN - DeLonghi (Italian made), used 2X, v. clean, w/manual, cost over \$100, sell for \$20. Peter, Ext. 2913.

WASHER - oversized Maytag model #MAV 7700, excel. cond., warr. active. Ask \$250. Katherine, Ext. 2260 or 872-1608.

WORKBENCH - oak w/Formica counter-top, 1 drawer, 1 door, 3" vise, 4 AC outlets, pics avail. \$40. Travis, Ext. 7451.

Audio, Video & Computers

AMD ATHLON 3700+ SOCKET 939 - orig. box; htsink, fan, mnuul. \$80 obo. Ext. 4199.

COMPUTER & CUSTOM DESK - Commodore 4 sys., w/1702 monitor, disk & tape drives, printer, lots of software, must sell, \$50/obo. 698-0057.

LASER PRINTER - Samsung ML-2010, b/w, 22 ppm, bought 4/06, fewer than 100 pages printed, like new. \$70. Bjorn, Ext. 5068 or 965-8013.

SPEAKERS - pr. JBL E90 Northridge 3-way tower speakers, perf. cond., orig. boxes, used for ~6 hours. \$300 obo. Ext. 7451.

STEREO SYSTEM - Technics, amp., equalizer, am/fm receiver, dual cass. player, 5-disc CD changer, 5 spkrs. \$100 obo. Paul, Ext. 5287 or 676-5813.

TV - Sony 32", \$275; Computer/monitor \$100. 751-4539.

TV & DVD PLAYER - 20" Mitsubishi tv, flat, near new, \$40; GE dvd player, near new, \$25. George, Ext. 4033.

TV/VCR COMBO - 13" w/remote. \$40 obo. Renee, Ext. 8278.

Miscellaneous

30 FT SALEM 2003 TRAILER - 2003 Salem Bunk House Super Slide (BHSS) slps 8, grt. storage, Ask \$14,999. 516-607-7523.

BABY GATES - 1 steel, \$20; 1 wood, \$15; wall mnt, hdwre incl. Ext. 2094 or 831-3469.

BROADWAY SHOW TICKETS - 4 for *The Producers*, Wed., 1/31, 8 pm, 2 adult + 2 child (to age 18), orch. seats. \$200/all. Ext. 5257.

CAR SEAT - kid's, made by Cosco, excel. cond., all parts, hold up to 80 pounds. Ask \$25. Lisa, Ext. 7524.

ELECTRIC HEATER - Honeywell baseboard heater, adj. th/stat, 2 heating levels, 1000/1500W, 40" long \$25. Ext. 3217.

Happenings

LATIN RHYTHMS CONCERT - "Latin Rhythms," Sun., 2/4, 2 p.m., Longwood Library. Yvette M. Blum w/Bob Boutcher, guitar/piano. Free. Yvette, Ext. 5591.

Free

FUTON BUNK BED (FRAME ONLY) - The person that called me on this: pls call again, leave tel no. Susan, Ext. 7414 or 645-7707.

On the Web, the Bulletin is located at 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.

Wanted

HOME HEALTH AIDE, NON MEDICAL - needed Mon-Fri, 3-4 hrs. in a.m. to assist elderly, non-Alz. woman, dependable, lt. cing, cook, errands. Ext. 5090 or 828-2172.

Lost & Found

FOUND: EYE GLASSES - on 1/16/07 in st. betw. Bldg. 130 & Bldg. 555. Ext. 5750.

LOST: POKEMON RUBY GAMEBOY GAME - lost on 1/17 at or nr playground of the Apt. Area. Ext. 3648 or 344-1019.

On-Site Services

ENTERPRISE RENT-A-CAR - Stop by the on-site office at Bldg. 355, 50 Brookhaven Ave., to check weekend specials, daily rates. Cars, trucks, etc. available. Or call Ext. 4888 or see www.enterprise.com.

ON-SITE SERVICE STATION - All vehicle services, NYS inspections, new batteries, tires, timing belts, repairs, etc., while you are at work. Ext. 4034.

For Rent

CENTER MORICHES - 1 bdrm. apt., full bath, kit., 2nd flr., pvt. ent. prkg., gar. suitable single, no smkg/pets, sec. req'd \$875/mo. Lois, 929-4753 or 375-7264.

EAST PATCHOGUE - 1-bdrm apt., l/r, eik, bath, pvt. ent., walk to water, heat/water inc., 1 mo. sec. \$1,000/mo. 484-2990.

FARMINGVILLE - beautiful 2-bdrm. duplex apt., f/p, 1-1/2 baths, all incl. except gas/fireplace, sep. ent. w/balcony, 1 month sec. \$1,700/mo. Eloisa, 736-7507.

LENOX, MA - Timeshare unit for rent, Nov. 17 through 24, 2007, 2 bdrm., 2 bsth, max. 6 people. \$900/wk. 909-1498.

N. SHIRLEY - 1-bdrm. apt., grnd lvl, fully furn, pvt. ent., 4 min. to Lab., util. incl., single, no smkg/pets. \$800/mo. 281-3479.

ORLANDO, FL - Marriott Cypress Harbr 4/6-13, 2-bdrm., 2-bath condo, jacuzzi, slps 8, kit., l/r, d/r, a/c, w/d, pool, kids club, 10 min to Disney. \$1,200/wk./neg. 516-241-4598.

PORT JEFFERSON - house to rent for 6 months in cul-de-sac, 7 rms., 4 bdrm., 2.5 bath, furn. if req, no pets/smkg. plus util., 1.5 month deposit. \$2,200/mo. 767-5006.

ROCKY POINT - 1-bdrm. house, lg. l/r, lg. kit., bath, bsmt., no pets/smkg., water incl. \$1,075/mo. John, 744-8919.

TIME SHARE - unit for rent, you pick time & place. Call to check availability & prices. \$1,000/wk. Thomas, Ext. 5712 or 909-1498.

WADING RIVER - new studio, l/r, full kit., lots of storage, pvt. driveway, ent., and patio w/ F/p & bbq, 10 min to BNL, 1 mi. to beach, util. incl. \$800/mo. Ext. 2553.

WADING RIVER - 1-bdrm. apt. for rent by owner, sep. ent., upstairs, full kit., l/r, bath, bdrm., furn/unfurn, utilities and cable incl. \$950/mo. 212-980-7810.

YAPHANK - fully furnished studio apt., 4 miles to Lab, high speed internet, all included, avail. 2/1. \$850/mo. 924-3049.

For Sale

BROOKHAVEN - 4 bdrm., 2 new cape baths & eik kit., full bsmt., 2-car gar., oil ht., a/c, nxt. to wooded preserve flower & orgnc. veg. gardens. \$459,000, 286-2505.

E. SETAUKET - 3 bdrm., 2 bath, eik, d/r, l/r den w/f/p, 1 acre, park-like grounds, 3VSD, lovely n'hood. \$490,000/neg. 369-5698.

PORT JEFFERSON STATION - 4 bdrm, 2.5 bath, upgraded kit., l/r, d/r, c/a/c, fenced backyard w/shed, swing set, gar., 2 driveways, poss. m/d. \$469,000/neg. 928-5319.

SHOREHAM - 5-bdrm., 2-bath ranch, move-in cond., brd new appl., dr/way, cac, heating syst. & hwh, f/p, Ins., fenced yard, 18x18 shed. \$369,900/neg. 848-8072.

BOYNTON BEACH, FL - Sun Valley East, 55+ condo, immmac., move-in-ready, 1800 sq. ft., 2/2 + den, walk to club, tennis, pool, shopping \$219,900. 561-495-0187.

WESTMINSTER, CO - 2-bdrm. condo, a/c, igp, f/p, garage, excel. vacation home, near Boulder, Denver, Rocky Mts., must sell. \$115,000/neg. Diane, Ext. 2347.

In Appreciation

Thanks to my friends at BNL for the support you gave me during the sickness & death of my Mom, Dollie Milledge. God Bless You. — Harriet Vanslyke & Family

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/.

The following positions have been exempted from the freeze by the Deputy Director:

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

MK3252. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in chemistry, biochemistry, molecular biology, or a related field and experience in wet biochemistry lab work. Some infrared and/or x-ray spectroscopy background is important and experience at a synchrotron is desirable. Will utilize beamline end-station instrumentation for rapid-throughput spectroscopic analysis of proteins using infrared spectroscopy, UV circular dichroism spectroscopy, x-ray spectroscopy, small-angle x-ray scattering, and x-ray fluorescence microprobe at several NSLS beamlines. Will also develop automated analysis routines for spectroscopic data. Under the direction of L. Miller. National Synchrotron Light Source Department.

SF4299. EXPERIMENTAL FACILITIES DIVISION DIRECTOR (M-3) - Requires a Ph.D. in physics or a related discipline and 12+ years of relevant scientific, technical, and managerial experience. Prior project management experience is desirable. Candidate will be responsible for establishing and coordinating the science programs for National Synchrotron Light Source-II (NSLS-II), including

outreach to the scientific community, to ensure maximum scientific productivity of NSLS-II and that the project is responsive to user needs. Will oversee and manage all aspects of experimental facilities supporting the science program, including beamlines and instrument systems. Candidate will report directly to the NSLS-II Project Director and will serve on the executive management team. Additional responsibilities will include recruitment, oversight, and management of scientific, engineering, and technical staff of the Experimental Facilities Division (XFD); directing the development of, and approving the plans, schedule, costs, and milestones for, R&D activities within the XFD; directing the design, fabrication, installation, testing and commissioning of the beamline and instrument systems for NSLS-II; execution of his/her respective portion of the project safely and within the approved budget and schedule; and maintenance of the detailed technical baseline. National Synchrotron Light Source-II.

SF4301. PROJECT ENGINEER I (P-9)/SR. PROJECT ENGINEER (P-10) (NSLS-II Conventional Facilities Division Assistant Director for Construction Management) - Requires an advanced degree or equivalent capabilities in engineering, architecture or construction technology and at least 15 years' experience in construction management of which a minimum of five years should be in a supervisory or project management capacity for large-scale construction projects. Candidate must have experience and working knowledge of design and engineering practices, construction estimating, construction scheduling, construction practices, contract management, preparation of construction procurement packages, and contractor qualification and evaluation methods. Must also have experience in applying project management methods including application of Earned Value Management performance measurement and reporting systems. Candidate should also possess working knowledge of implementing project management practices required by DOE Order 413.3 Program and Project Management for Acquisition of Capital Assets (or equivalent) to include project planning, budgeting, scheduling, cost estimating, risk management, and performance management. Professional license and/or Project Management Professional (PMP) is a plus, as is experience of working in a construction management firm environment. Experience in construction of mission-critical research, laboratory, or high technology facilities is preferred. As CF Assistant Director for Construction Management, will sup-

Liz Seubert, editor
John Galvin, reporter
Roger Stoutenburgh, photographer

mission-critical research, laboratory, or high technology facilities is preferred. As CF Assistant Director for Construction Management, will support the Director of Conventional Facilities in managing and directing the construction activities for NSLS-II. Major responsibilities include supporting the engineering and design process to assure constructability of design and accuracy of cost estimates and schedules and directing the coordination and management of construction contracts by the NSLS-II Conventional Facilities Construction Management Team, including the Construction Management Contractor, Commissioning Contractor, and BNL Plant Engineering support team. Reports to the NSLS-II Conventional Facilities Division Director. National Synchrotron Light Source-II.

TB3623. PROJECT ENGINEER I (P - 9, ERAP eligible) - Requires a master's degree or Ph.D. in nuclear physics, chemistry, nonproliferation research, information technology, or mechanical, electrical or nuclear engineering, ten years' experience or hands-on engineering, development, nuclear facility operations, and/or policy studies related to the above topic areas; including five or more years' experience in one or more of the following: international or domestic safeguards; design, specification, operation, and/or maintenance of nuclear radiation measurement technology and instrumentation, containment/surveillance systems, and unattended and remote monitoring systems; embedded software and software platforms, systems analysis, and project management. Excellent interpersonal, oral and written communication skills, proficiency with software tools such as Word, Excel, PowerPoint, and Outlook, a demonstrated ability to work independently and with U.S. and foreign scientists, engineers, and government officials, excellent organizational skills, experience working in a program/project manager role, and willingness to perform administrative duties such as procurement, file maintenance, meeting planning and travel planning, are required. United States citizenship and a DOE - Q clearance, or the ability to obtain and maintain a DOE - Q clearance, are required. In addition, this position will require significant domestic and international travel. A future two-year assignment to Vienna, Austria, is possible. Job responsibilities include evaluation of technical proposals, advising U.S. government officials and international organizations, oversight of technical projects, and participation in technical meetings through publications and presentations. Nonproliferation & National Security Department.

TB4233. BUDGET SPECIALIST (A-6) - Requires a bachelor's degree in accounting, business administration, or equivalent, and four years' relevant experience. Excellent written and oral communication skills, proficiency in Excel and other MS Office products, plus experience with PeopleSoft Financials including budget, forecast, queries, and reports are required. Must have the ability to exercise a considerable degree of initiative and judgment. The candidate will provide support for the Energy, Environment & National Security Directorate (EENS). Responsibilities will include budget and forecast development, analysis of costs and commitments, financial analysis and reporting, rate development, DOE Field Work Proposals and Work for Others proposal processing. Energy, Environment & National Security Directorate.

Motor Vehicles & Supplies

04 VW JETTA GLS - 1.8 turbo Tiptronic trans, blk., pwr. m/rf, htd mirrors/seats, airbag curtain. 25K mi. \$14,950/neg. Ext. 7277.

04 TOYOTA SIENNA - LE, auto sliding door, rear air, new tires & brakes, 51K mi. \$13,300/neg. Kim, Ext. 2786 or 816-9088.

03 HYUNDAI TIBURON - 6-spd. manual, sports pkg., fully equipped, excel. cond. 30K mi. \$11,000. Ext. 5149 or 929-0961.

02 KIA RIO - blue sedan, v. economic, gd cond., new brakes & batt., am/fm, a/c, air bags. 62K mi. \$4,250/neg. Ext. 3821.

01 OLDSMOBILE ALERO - silver, 2dr, p/w, p/l, leather, CD, a/t, 100K mi. \$5,000/neg. 744-7556.

00 TOYOTA SOLARA SE - orig. owner, excel. cond. 90K mi. \$7,900. 680-5645.

99 SUBARU LEGACY WGN - 4dr, abs, a/t, a/c, awd, c/c, p/b, p/w, c/c, keyless entry, rf rack, more. 72K mi. \$6,750/neg. 331-4538.

99 MITSUBISHI ECLIPSE - 4cyl, a/t, am/fm/cd. 80K mi. \$4,000/neg. 286-3545.

98 FORD EXPEDITION XLT - 4WD, 5.4L, 3rd seat, leather, 6CD, loaded, white/tan, excel. cond. 123K mi. \$7,600. Ext. 7294.

95 TOYOTA COROLLA - a/t, a/c, am/fm/cass, air bags, abs, p/s, p/l, p/w, good cond. 137K mi. \$2,400. Ext. 4356.

95 MITSUBISHI ECLIPSE RS - 2dr, white, a/c, a/t, pwr. m/rf, mp3 cd, 30 mpg. 175K mi. \$1,200/neg. Bjorn, Ext. 5068 or 965-8013.

94 JEEP GRAND CHEROKEE LAREDO - 4wd, V8, loaded, good cond., orig owner. 140K mi. \$3,500/neg. 928-5456.

90 DAKOTA PICK UP - a/t, a/c, am/fm, runs well. 65K mi. \$800. Tirre, 772-8573.

84 PORSCHE 944 - excel. cond., garaged, 130K mi. \$4,200/neg. 516-702-3186.

41 JOHN DEERE MODEL A - tractor, restored to like new, converted to 12 volts, incl. JD 2 bottom plow. \$4,400. 886-1182.

CAR COVER - used once, med. sz w/storage bag, 4-yr. warr., dust & mildew resistance. \$75. Fred, Ext. 5319 or 369-9720.

NEW TIRES - 265X75X16 mounted on GM aluminum rims, 6-lug for truck. \$500 firm. Carl, Ext. 3084 or 369-3730.

Boats & Marine Supplies

25' RINKER FEISTA VE CRUISER - 2005, 50 hrs Merc Bravo 3 260hp, Fl-kitchen-head-aft cabin, slps. 6, CB radio, 182c Garmin GPS. 335-9050.

Furnishings & Appliances

CONVERTIBLE CRIB - Baby Italia (Tuscan), drop side, conv. to toddler bed, exc. cond., \$150; mattress, \$40. Ext. 3037.

DINETTE SET - light oak w/Formica top, 42"X60" w/leaf, 4 swivel chairs w/caster bases, vg cond. \$350. Brian, Ext. 2799.

MIRROR, FURN. - antique oak, b/vld glass, carved, bronzed detail mirror, 41.5"wx 37"t, pic. avail., \$300. Ext. 5744 or 929-4440.

HOUSEHOLD - from 1-pers. house, bed, futon, tbls, chrs, cabinets, m/wave, kitchenware, more, mvg., selling all in one pkg. for \$400. Bjorn, Ext. 5068 or 965-8013.

PIANO - Winter uprt, gd cond., nds tuning, orig. ask. \$1,000, now \$700. 286-1018.

REFRIGERATOR - white Frigidaire, 18.2 cu. ft., \$100. Ext. 2094 or 831-3469.

REFRIGERATOR - GE sd-by-sd refrig/frzr, white, never used, cold water and ice dispensers. \$150. Ext. 5287 or 676-5813.

SECTIONAL, ROCKER, MISC. FURN. - Natuzzi scnl. couch, rocker w/ottoman, lg. crm desk, bkscse, all gt. cond. 331-3540.

SLEEPER SOFA, LOVE SEAT - black cloth, full sz bed. \$150 obo. Ext. 5287 or 676-5813.

TOASTER OVEN - DeLonghi (Italian made), used 2X, v. clean, w/manual, cost over \$100, sell for \$20. Peter, Ext. 2913.

WASHER - oversized Maytag model #MAV 7700, excel. cond., warr. active. Ask \$250. Katherine, Ext. 2260 or 872-1608.

WORKBENCH - oak w/Formica counter-top, 1 drawer, 1 door, 3" vise, 4 AC outlets, pics avail. \$40. Travis, Ext. 7451.

Audio, Video & Computers

AMD ATHLON 3700+ SOCKET 939 - orig. box; htsink, fan, mnuul. \$80 obo. Ext. 4199.

BOSS VF-1 EFFECT PROCESSOR - excel. cond., gt for guitar, keybrd & vocals, hif rack module, nds PSU. \$170. Ext. 3621.

CAR STEREO - Kenwood, am/fm/cd, 47 watts x 4, removable face plate, model KDC-516S, \$50 neg. Ext. 7746 or 580-2940.

CAR STEREO - Pioneer, 50W/channel, CDRW/MP3/WMA playback, satellite/ipod compat., blue OEL display/screen-saver, like new \$180. Laura, Ext. 7842 or 434-5824.

CAR STEREO - DuraBrand, in dash, CD/MPW/CDR-RW playback w/MP3 display, 45Wx4, slide down/detachable panel w/remote, barely used. \$100. Laura, Ext. 7842 or 434-5824.

COMPUTER & CUSTOM DESK - Commo-dore 4 sys., w/1702 monitor, disk & tape drives, printer, lots of software, must sell, \$50/obo. 698-0057.

LASER PRINTER - Samsung ML-2010, b/w, 22 ppm, bought 4/06, fewer than 100 pages printed, like new. \$70. Bjorn, Ext. 5068 or 965-8013.

SPEAKERS - pr. JBL E90 Northridge 3-way tower speakers, perf. cond., orig. boxes, used for ~6 hours. \$300 obo. Ext. 7451.

STEREO SYSTEM - Technics, amp., equalizer, am/fm receiver, dual cass. player, 5-disc CD changer, 5 spkrs. \$100 obo. Paul, Ext. 5287 or 676-5813.

TV - Sony 32", \$275; Computer/monitor \$100. 751-4539.

TV & DVD PLAYER - 20" Mitsubishi tv, flat, near new, \$40; GE dvd player, near new, \$25. George, Ext. 4033.

TV/VCR COMBO - 13" w/remote. \$40 obo. Renee, Ext. 8278.

Sports, Hobbies & Pets

COLLECTIBLES - music boxes, Disney, Schmid, Switzerland. \$25-\$100 ea; vintage frame, 6x9" \$30. 803-0506.

HEAVY BAG - Everlast 70# punching bag, vg cond. w/swivel mount. \$25. Ext. 5423.

SOUP BOWLS - flow blue, 9"D, \$25/ea., \$60/3; Palmas Cuban cigar press. \$30; Black & brass andirons. \$30. 803-0506.

TEDDY BEAR COLLECTION - 18 bears, Boyd, Gund (2 Collector's Classic), Bearington. All as-new cond. Offers over \$125. 803-0506.

VINTAGE ROAD BIKE - Raleigh Grd Prix, lg. frame, well maint., solid frame, ok paint, many new parts. Ask \$90. Ext. 5669.

Miscellaneous

30 FT SALEM 2003 TRAILER - 2003 Salem Bunk House Super Slide (BHSS) slps 8, grt. storage, Ask \$14,999. 516-607-7523.

AQUARIUM - 45 gal., w/all access, cust. oak stnd & mtchg canopy. \$225. 886-1182.

BABY GATES - 1 steel, \$20; 1 wood, \$15; wall mnt, hdwre incl. Ext. 2094 or 831-3469.

BED FRAME - twin size, Little Tykes blue car bed, frame only. \$80. 387-5699.

BROADWAY SHOW TICKETS - 4 for *The Producers*, Wed., 1/31, 8 pm, 2 adult + 2 child (to age 18), Orch. seats, more. \$200/all. Ext. 5257.

CAR SEAT - kid's, made by cosco, excel. cond., all parts, hold up to 80 pounds. Ask \$25. Lisa, Ext. 7524.

ELECTRIC HEATER - Honeywell base-board heater, adj. th/stat, 2 heating levels, 1000/1500W, 40" long \$25. Ext. 3217.

HIGH CHAIR - great cond., white w/blue, hardly used. Ask \$35. Lisa, Ext. 7524.

WATCH - Casio G-shock, men's, waterproof, alarm, stopwatch, timer, excel. cond. \$15. Ext. 2913.

WEIGHT BENCH - brand new Weider Pro 220 w/leg curler, 110 lbs. wghts, you pick up. \$120. Mark, Ext. 2238 or 828-6459.

Happenings

LATIN RHYTHMS CONCERT - "Latin Rhythms," Sun., 2/4, 2 p.m., Longwood Library. Yvette M. Blum w/Bob Boutcher, guitar/piano. Free. Yvette, Ext. 5591.

Free

AIR CONDITIONERS - 2 window units, 5,000 Btu. Steve, Ext. 4211.

COMPUTER MONITOR - 17" CRT w/spkrs., beige, gd cond. Timothy, Ext. 5010.

FUTON BUNK BED (FRAME ONLY) - The person that called me on this please call again. You didn't leave a number to call back. Susan, Ext. 7414 or 645-7707.

HUTCH - pine, you pick up. Ext. 3830 or 286-0641.

Wanted

HOME HEALTH AIDE, NON MEDICAL - needed Mon-Fri, 3-4 hrs. in a.m. to assist elderly, non-Alz. woman, dependable, lt. cng, cook, errands. Ext. 5090 or 828-2172.

MOUNTAIN BIKES - looking for 2 mountain bikes, preferably dual suspension, sized for 5'8" adult. Ext. 3621.

Lost & Found

FOUND: EYE GLASSES - on 1/16/07 in st. betw. Bldg. 130 & Bldg. 555. Ext. 5750.

LOST: POKEMON RUBY GAMEBOY GAME - lost on 1/17 at or nr playground of the Apt. Area. Ext. 3648 or 344-1019.

For Rent

CENTER MORICHES - 1 bdrm. apt., full bath, kit., 2nd flr., pvt. ent. prkg., gar. suitable single, no smkg/pets, sec. req'd \$875/mo. Lois, 929-4753 or 375-7264.

EAST PATCHOGUE - 1-bdrm apt., l/r, eik, bath, pvt. ent., walk to water, heat/water incl., 1 mo. sec. \$1,000/mo. 484-2990.

FARMINGVILLE - beautiful 2-bdrm. duplex apt., f/p, 1-1/2 baths, all incl. except gas/fireplace, sep. ent. w/balcony, 1 month sec. \$1,700/mo. Eloisa, 736-7507.

LENOX, MA - Timeshare unit for rent, Nov. 17 through 24, 2007, 2 bdrm., 2 bsth, max. 6 people. \$900/wk. 909-1498.

N. SHIRLEY - 1-bdrm. apt., grnd lvl, fully furn, pvt. ent., 4 min. to Lab., util. incl., single, no smkg/pets. \$800/mo. 281-3479.

ORLANDO, FL - Marriott Cypress Harbr 4/6-13, 2-bdrm., 2-bath condo, jacuzzi, slps 8, kit., l/r, d/r, a/c, w/d, pool, kids club, 10 min to Disney. \$1,200/wk./neg. 516-241-4598.

PORT JEFFERSON - house to rent for 6 months in cul-de-sac, 7 rms., 4 bdrm., 2.5 bath, furn. if req, no pets/smkg. plus util., 1.5 month deposit. \$2,200/mo. 767-5006.

ROCKY POINT - 1-bdrm. house, lg. l/r, lg. kit., bath, bsmt., no pets/smkg., water incl. \$1,075/mo. John, 744-8919.

TIME SHARE - unit for rent, you pick time & place. Call to check availability & prices. \$1,000/wk. Thomas, Ext. 5712 or 909-1498.

WADING RIVER - new studio, l/r, full kit., lots of storage, pvt. driveway, ent., and patio w/ F/p & bbq, 10 min to BNL, 1 mi. to beach, util. incl. \$800/mo. Ext. 2553.

WADING RIVER - 1-bdrm. apt. for rent by owner, sep. ent., upstairs, full kit., l/r, bath, bdrm., furn/unfurn, utilities and cable incl. \$950/mo. 212-980-7810.

YAPHANK - fully furnished studio apt., 4 miles to Lab, high speed internet, all included, avail. 2/1. \$850/mo. 924-3049.

For Sale

BROOKHAVEN - 4 bdrm., 2 new cape baths & eik kit., full bsmt., 2-car gar, oil ht., a/c, nxt. to wooded preserve flower & orgnc. veg. gardens. \$459,000, 286-2505.

E. SETAUKET - 3 bdrm., 2 bath, eik, d/r, l/r den w/f/p, 1 acre, park-like grounds, 3VSD, lovely n'hood. \$490,000/neg. 369-5698.

PORT JEFFERSON STATION - 4 bdrm, 2.5 bath, upgraded kit., l/r, d/r, c/a/c, fenced backyard w/shed, swing set, gar., 2 driveways, poss. m/d. \$469,000/neg. 928-5319.

SHOREHAM - 5-bdrm., 2-bath ranch, move-in cond., brd new appl., dr/way, cac, heating syst. & hwh, f/p, Ins., fenced yard, 18x18 shed. \$369,900/neg. 848-8072.

BOYNTON BEACH, FL - Sun Valley East, 55+ condo, immac., move-in-ready, 1800 sq. ft., 2/2 + den, walk to club, tennis, pool, shopping \$219,900. 561-495-0187.

WESTMINSTER, CO - 2-bdrm. condo, a/c, igp, f/p, garage, excel. vacation home, near Boulder, Denver, Rocky Mts., must sell. \$115,000/neg. Diane, Ext. 2347.

In Appreciation

Thanks to my friends at BNL for the support you gave me during the sickness & death of my Mom, Dollie Milledge. God Bless You. — Harriet Vanslyke & Family

Send a Love Note to Your Valentine

Is there a special message you'd like to send to your valentine? Are you looking for a valentine? You can have your Valentine's Day message printed in The Bulletin on February 16.

Send your 15-to-20 word "love note" to The Bulletin by Thursday, February 8. If you use paper, send it to BNL, The Bulletin, Bldg. 134, Upton, NY 11973, and mark the envelope "Valentine's Day." If you use

the forms on the web, use the form for "Miscellaneous," and mark it "Valentine's Day" at the beginning of the message. Or, e-mail your message to bulletin@bnl.gov. You must include your name and life number and extension or home phone, but your name will not be printed unless it is clearly part of the message. Copy must be deemed tasteful. All "love notes" will be accepted at The Bulletin's discretion.

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/.

The following positions have been exempted from the freeze by the Deputy Director:

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

MK3252. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in chemistry, biochemistry, molecular biology, or a related field and experience in wet biochemistry lab work. Some infrared and/or x-ray spectroscopy background is important and experience at a synchrotron is desirable. Will utilize beamline end-station instrumentation for rapid-throughput spectroscopic analysis of proteins using infrared spectroscopy, UV circular dichroism spectroscopy, x-ray spectroscopy, small-angle x-ray scattering, and x-ray fluorescence microprobe at several NSLS beamlines. Will also develop automated analysis routines for spectroscopic data. Under the direction of L. Miller. National Synchrotron Light Source Department.

SF4299. EXPERIMENTAL FACILITIES DIVISION DIRECTOR (M-3) - Requires a Ph.D. in physics or a related discipline and 12+ years of relevant scientific, technical, and managerial experience. Prior project management experience is desirable. Candidate will be responsible for establishing and

coordinating the science programs for National Synchrotron Light Source-II (NSLS-II), including outreach to the scientific community, to ensure maximum scientific productivity of NSLS-II and that the project is responsive to user needs. Will oversee and manage all aspects of experimental facilities supporting the science program, including beamlines and instrument systems. Candidate will report directly to the NSLS-II Project Director and will serve on the executive management team. Additional responsibilities will include recruitment, oversight, and management of scientific, engineering, and technical staff of the Experimental Facilities Division (XFD); directing the development of, and approving the plans, schedule, costs, and milestones for, R&D activities within the XFD; directing the design, fabrication, installation, testing and commissioning of the beamline and instrument systems for NSLS-II; execution of his/her respective portion of the project safely and within the approved budget and schedule; and maintenance of the detailed technical baseline. National Synchrotron Light Source-II.

SF4301. PROJECT ENGINEER I (P-9)/SR. PROJECT ENGINEER (P-10) (NSLS-II Conventional Facilities Division Assistant Director for Construction Management) - Requires an advanced degree or equivalent capabilities in engineering, architecture or construction technology and at least 15 years' experience in construction management of which a minimum of five years should be in a supervisory or project management capacity for large-scale construction projects. Candidate must have experience and working knowledge of design and engineering practices, construction estimating, construction scheduling, construction practices, contract management, preparation of construction procurement packages, and contractor qualification and evaluation methods. Must also have experience in applying project management methods including application of Earned Value Management performance measurement and reporting systems. Candidate should also possess working knowledge of implementing project management practices required by DOE Order 413.3 Program and Project Management for Acquisition of Capital Assets (or equivalent) to include project planning, budgeting, scheduling, cost estimating, risk management, and performance management. Professional license and/or Project Management Professional (PMP) is a plus, as is experience of working in a construction management firm environment. Experience in construction of

Liz Seubert, editor
John Galvin, reporter
Roger Stoutenburgh, photographer

On the Web, the Bulletin is located at 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.

Bldg. 134, P.O. Box 5000
Upton, NY 11973-5000
phone: (631) 344-2345
fax: (631) 344-3368
e-mail: bulletin@bnl.gov