



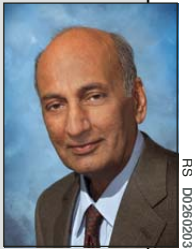
Roger Stoutenburgh xxxxxxx

"We have reached 1,000,000 hours and we're still counting!" says Jim Tarpinian, Assistant Laboratory Director for Environment, Safety, Health & Quality, in speaking of the notable milestone that BNL reached last week — working over one million hours without a lost-time work incident. "The entire Lab population is to be congratulated for making safety personal and for helping to achieve this success," says Tarpinian. "Going home safely is its own reward, and the ones who truly benefit are our loved ones."

All-Employee Meeting

Wednesday, 7/20

Lab Director Praveen Chaudhari will hold an all-employee meeting on Wednesday, July 20, 1:30 to 3:30 p.m. in Berkner Hall. All are invited.



FS 00260003

A small celebration after the meeting will mark BNL's recent achievement of one million hours of work without a lost work-time incident.

2005 SBU/BNL Seed Grant Winners

A program that distributes seed grants annually for new Stony Brook University (SBU) and BNL initiatives was established by SBU President Shirley Strum Kenny in 1999. The largest institutional user of BNL facilities, SBU also partners with Battelle as Brookhaven Science Associates (BSA) to manage BNL. Administered by BSA Board Member Robert McGrath, SBU's Vice President for Brookhaven Affairs, the Seed Grant Program has funded 43 of the 213 proposals received in the last seven years. For more on this program, including information on previous winning proposals, see <http://www.sunysb.edu/bnl/seed.html>. Applications for the 2006 program will be accepted from January to March 10, 2006. The winning initiatives in 2005, which each received a grant of \$20,000, are:

"The Neurogenetics of Impulsivity: Individual Differences within the Dopamine Transports (DAT) Gene assessed with PET and fMRI." This proposal focuses on the emerging field of genomic imaging, an integration of molecular genetics and neuroimaging, to study the common variations within genetic nucleotide sequences (polymorphisms) that are associated with individual differences in behavior. Grant awardees are: Turhan Canli, Department of Psychology, SBU; Nelly Alia-Klein, Medical Department, BNL; Joanna Fowler, Chemistry Department, BNL; Mark Wagshul, Department of Radiology, SBU; and Gene-Jack Wang, Medical, BNL.

"Controlling Metal-Insulator Phase Transition with Electric Field: A Way to Faster Transistors and Optical Modulators." The goal of this proposal is to fabricate and characterize ultrathin high quality films in BNL's Molecular Beam Epitaxy system, and look for the field effect on metal-insulator phase transition at SBU. The proposal is highly motivated by the recent theoretical findings that indicate that the speed of switching in a field-controlled phase transition device is at least an order of magnitude higher than in field-effect transistors of similar geometry. Grant awardees are: Michael Gurvitch, Department of Physics and Astronomy, SBU; Ivan Bozovic, Department of Materials Science, BNL; and Serge Lury, Department of Electrical & Computer Engineering, SBU.

"Synthesis of Molecules for Applications in Molecular Electronics and the Study of Their Electron Transfer and Surface Self-Assembly Properties." This proposal aims to establish new collaborations between SBU and BNL by preparing several specially designed series of "molecular wires" with systematically varied molecular constituents to be used in the devel
(continued on page 2)

BNL's Electric Power Rate Greatly Reduced

But new requirements need cooperation, power-saving from all at Lab

Recently, the Lab's advantageous contract with the New York Power Authority (NYPA) for reduced rate electricity ended. But, the good news was that BNL's rate for electric power will remain greatly reduced from current market prices.

Says BNL Director Praveen Chaudhari, "The reduction in cost, which will allow the site to function normally, was made possible because of the hard work of many people — at Brookhaven and outside the Laboratory — who brought this issue to a successful conclusion. Many thanks go not only to Mark Toscano, Mike Bebon, and Marge Lynch, but also to Governor George Pataki, New York State Senator Ken LaValle, New York Power Authority President Eugene Zeltmann, Long Island Power Authority Chairman Richard Kessel, and Empire State Development Corporation Chairman Charles Gargano. The cost reduction that we have achieved through the effort of these individuals will allow us to remain competitive for future experimental programs."

Higher and Lower

The new contract, extended through June 2008, has rates higher than the previous contract, but substantially lower than any other option. Through a combination of benefits and subsidies from the Long Island Power Authority (LIPA), NYPA, the Empire State Development



Joseph Rubino 02270605

Of great benefit to BNL's energy use reduction plan is the Central Chilled Water Facility, where chilled water can be produced at night and stored for use during peak periods in the day. Some of the workers in the Chilled Water Facility are: (from left) Robert McKay, Joseph Mileto, Kevin Yachnik, Ted Carpluk, and William Chaloupka.

Corporation, and funds from the New York State Senate, the targeted annual rate will be \$0.065/kilowatt-hour (kWh). If this rate is achieved, BNL will save over \$8 million per year compared to the next best option, and over \$14 million compared to the LIPA standard industrial rates.

Says Lab Energy Manager Mark Toscano of the Plant Engineering Division, "The new contract is dramatically different from any of BNL's previous electric contracts. Before, we had a very simple arrangement, and fixed rates. Now, many of the components that make up the rates are market-based, and there are new requirements for

detailed forecasting of energy usage. The Lab is now required to provide daily estimates of energy usage, by hour, for weeks and months ahead of time. If we go over the estimated amount we run the risk of paying much higher rates for the excess."

It is important to note that because the "targeted rate" will be achieved through various subsidies that may arrive at different times throughout the year, and because of volatility in the electric markets, monthly rates can vary considerably. The actual average annual rate BNL ends up paying may be more or less than the targeted rate.

(continued on page 2)

406th Brookhaven Lecture

Butcher Takes New Look at Old Flame

Wednesday, July 20 • 4 p.m. • Berkner Hall



Roger Stoutenburgh CN10-45-00

Thomas Butcher

For many years, BNL has had an active research and development (R&D) program related to liquid fuel combustion, leading to many productive industry partnerships. Specific applications of this work include home-heating systems, heating systems for vehicles, commercial single and dual-fuel boilers, micro-power production systems for defense and other applications, and fuel-cell reformers based on liquid fuels.

To find out how this work might impact the lives of Long Islanders, come hear Thomas Butcher of the Energy Sciences & Technology (ES&T) Department discuss "Advanced Oil Combustion Phenomena: A New Look at an Old Flame," at the 406th Brookhaven Lecture, 4 p.m.

(continued on page 2)

Sambamurti Memorial Lecture, 7/21

Mioduszewski Discusses Tools for RHIC

Thursday, July 21 • 3 p.m. • Large Conference Room, Bldg. 510

The Relativistic Heavy Ion Collider (RHIC) is a world-class facility built to explore some of nature's most basic phenomena. At RHIC, two beams of gold ions (atoms stripped of electrons) travel at nearly the speed of light — what Einstein called relativistic speeds — in opposite directions around RHIC's 2.4-mile, two-lane "racetrack." At six intersections, the lanes cross and the ions collide.

To learn how and why researchers analyze the results of these collisions, join Saskia Mioduszewski, an associate scientist in the Physics Department, as she presents the 2005 Sambamurti Memorial Lecture, "Tools to Characterize the Matter Created at RHIC," on Thurs

(continued on page 2)



Roger Stoutenburgh D0830304

Saskia Mioduszewski

Calendar of Laboratory Events

- The BERA Sales Office 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 Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Recreation Bldg. and at the laundry, both 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, and 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 Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/.

Mondays & Thursdays: Kickboxing

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

Mon., Wed., & Fri.: Tai Chi

Noon-1 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Meet in the gazebo in the apartment area. Cindy Ottemann, 849-2646.

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. in the gym. All levels, ages 6 and above. \$10 per 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/default.htm.

Tues., Wed. & Thurs: Rec Hall Activities

5:30-9:30 p.m. General activities, large-screen TV, ping pong, chess, games, and socializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Meet in the apartment area playgroup. Kati Petreczek, 821-4131.

Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga

Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, Ext. 2027.

Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

— THIS WEEKEND —

Friday, 7/15

Great Adventure!

7 a.m. - about 10 p.m. \$30 per person includes bus fare. Sold out. Ext. 3347.

Sunday, 7/17

Summer Sundays: Life Sciences

10 a.m.-3 p.m. Berkner Hall. Visit and learn about selected research in BNL's Life Science program: DNA sequencing, the Scanning Transmission Electron Microscope, determining a molecule's structure, and detecting heavy metals in soils.

— WEEK OF 7/18 —

Wednesday, 7/20

*Noon Recital: Pianofest

Noon. Berkner Hall. Pianofest Director Paul Schenly brings soloists from the Pianofest workshop in the Hamptons. All are welcome. Visitors to the Lab of 16 and over must carry a photo ID.

*BNL Cycletrons' Picnic Lunch

Noon. Gazebo at ball fields. The BNL Cycletrons Motorcycle Club celebrate National Ride to Work Day today with a lunch of heroes, salads, and soda, rain or shine. Free for club members, \$5 for nonmember. See notice, page 3.

All Employee Meeting

1:30-3:30 p.m. Berkner Hall. Lab Director Praveen Chaudhari calls an all-employee meeting. All are welcome.

*406th Brookhaven Lecture

4 p.m. Berkner Hall. Thomas Butcher, Energy Sciences & Technology Department, will talk on "Advanced Oil Combustion Phenomena: A New Look at an Old Flame." All are welcome. See story, page 1.

BNL's Electric Power Rate Greatly Reduced

Effort Needed From All

Toscano explains that to help achieve the targeted rate, the Lab will assess such items as the expected weather, general usage and experimental facility requirements and request an appropriate amount of power from NYPA. Should usage increase unexpectedly, plans are in place to curtail non-crucial electrical usage.

"This will require the efforts of nearly everyone at the Lab," warns Toscano. "The types of actions will range from changing experimental schedules to shutting off office equipment and lighting that is not needed."

In addition to assistance from the major experimental departments such as the Collider-Accelerator and the National Synchro-

tron Light Source, another key to the Lab's energy plan is the Central Chilled Water Facility, where a significant amount of power can be shifted over time to sustain Lab operations while keeping within the amount of energy that was asked for in the forecast.

William Chaloupka, Senior Project Engineer in the Plant Engineering Division, explains, "The facility produces chilled water for 11 of the major buildings on site. Naturally, during the summer months, the majority of chilled water needs are in the middle of the day, when power costs are at a premium. At the Central Chilled Water Facility, we can produce chilled water during the night and store it for use during the peak daily periods. This

allows us to shift a substantial amount of electrical usage."

LIPA Peak Reduction

In addition to forecasting power usage, the Lab is again participating in the LIPA peak reduction program, which is designed to encourage electric demand reduction during peak periods (see related article below, left). LIPA Program participants receive financial incentives in return for energy use reduction.

"It is imperative that everyone reduce as much electricity use as possible, without negatively impacting safety or operations," says Toscano. "Our cooperation will help LIPA to meet the power needs of Long Islanders throughout the peak demand summer period." — Jane Koropsak

(cont'd.)

To Help the Lab Reduce Energy Costs

Turn it Down or Set it Back!

If you can't turn it off, set the temperature or output back. Each degree of temperature setback can save 2 percent of cost.

Shut it Off!

If nobody needs it, why pay for it? Just one typical fluorescent office light uses over 1,400 kilowatt hours per year.

Dream Up New Ideas!

If you have any questions or suggestions on reducing energy usage, call Mark Toscano, Ext. 2599 or mpt2@bnl.gov.

Help LIPA, NYPA Ease L.I. Power Crunch

By reducing demand, BNL can also earn \$\$

The Long Island Power Authority (LIPA) once again faces a summer of expected record electric demand. BNL purchases its electricity from the New York Power Authority (NYPA), but through a DOE contract, the electricity is delivered by LIPA. Because the Lab is such a large electricity consumer, its cooperation is crucial to the reliability of the electric system. Each year, BNL works closely with both LIPA and NYPA to ease the power crunch.

As usual, therefore, BNL has two separate programs, one with NYPA, one with LIPA, to minimize electric demand.

Reducing power from NYPA, June 15-September 15

BNL has agreed to reduce the Lab's allocation of electric power from NYPA during the four peak summer months. From June 15 through September 15, the amount of power from NYPA will be reduced from 68 megawatts (MW) to 31 MW (one MW is equal to 1,000 kilowatts, or a million watts).

Says Andrew McNerney, Assistant Laboratory Director for Facilities & Operations, "This reduction, which will still allow the rest of the site to function normally, was possible only through the hard work of the Collider-Accelerator Department staff, who carefully rescheduled their experimental programs."

LIPA peak reduction program, June 1-September 30

- Program participants reduce their electric demand during critical days when LIPA determines that customer demand is expected to meet or exceed available supply. In return, members earn incentive payments for their cooperation.
- Critical days will only be called on non-holiday weekdays.
- Participants are required to reduce electric demand for a four-hour period, 2-6 p.m. However, other periods could be called.
- LIPA will give a minimum of four hours' advanced notice.
- The Lab will receive \$6,440 for each megawatt reduced for each critical day.
- LIPA indicates that BNL can expect three or four critical days — perhaps more — and will have a minimum of one day.
- The Lab has agreed to provide up to 4 megawatts of reduction, depending on research demand at the time.

ASAP CrossTalk II, 7/21

BNL's Association for Students and Postdocs (ASAP) is an organization of students and postdocs working at Brookhaven. On Thursday, July 21, from noon until 2 p.m. in the Brookhaven Center South Room, ASAP will hold CrossTalk II, the second in a series of presentations by postdocs & others to introduce their work. This CrossTalk will feature the work of ASAP members in the Energy, Environment & National Security Department. All are welcome to attend the presentations. Lunch will be served.

Holdup in Rail Shipment Impacts BNL Cleanup

On June 28, BNL learned that as a result of an issue between the Long Island Railroad (LIRR) and its freight carrier, known as New York & Atlantic Railway (NY&A), the Lab and its cleanup subcontractors were unable to transport low-level radioactive soil off site by rail. BNL, the subcontractors, LIRR, and NY&A have been working to resolve the issue.

For the Lab, the holdup has an impact on soil cleanup projects. Excavation of contaminated soils from the former waste management facility, the graphite reactor canal, and a former landfill in the southern portion of the site is nearly complete, but until the soil can be shipped off site, progress on these projects is impaired.

The reason for the holdup is not known, but relates to a 1997 agreement between the LIRR, NY&A, and Queens regarding shipment of solid waste through that borough. The legality of that agreement was challenged several years ago, and, in 2003, New York City's Law Department counsel said the agreement could not be enforced. NY&A then began allowing rail soil shipments from BNL, and 300-plus railcars of soil have since been sent off site. The shipments meet all federal Department of Transportation regulations, and the LIRR has not indicated a problem with either the railcars themselves or the soil within. Therefore it is hoped that the current problem soon will be resolved and BNL will be able to complete this segment of the site cleanup.

Seed Grant Winners

(cont'd.)

opment of extremely powerful neuromorphic memories. Grant awardees are: Andreas Mayr, Chemistry Department, SBU; John Miller, Chemistry, BNL; and Benjamin Ocko, Physics Department, BNL.

"*Electronic Transport in Carbon Nanotubes.*" The goal of this proposal is to study the electronic properties of carbon nanotubes, with the objective to fabricate metallic and semiconducting devices based on carbon nanotubes and to study their electronic properties, placing an emphasis on the fluctuations of the current, which ultimately limit the performance of electronic devices. Grant awardees are: Emilio Mendez, Department of Physics & Astronomy, SBU; and James Misewich, Department of Materials Science, BNL.

"*Biological Validation and Characterization of Consensus Glial-cell Derived Neurotropic Factor (GDNF) Peptides.*" The primary objective of this proposal is to confirm algorithmic predictions that Glial-cell Derived Neurotropic Factor (GDNF) is a neuropeptide precursor protein. The GDNF-derived neuropeptides will be biologically characterized to the point that they can be evaluated in models of Parkinson's Disease (PD). Grant awardees are: Srinivas Pentylala, Department of Anesthesiology, SBU; and John Glass, Medical, BNL.

406th Brookhaven Lecture

(cont'd.)



Thomas Butcher
BNL GAS ATOMIZED BURNER

on Wednesday, July 20, at Berkner Hall. Butcher, who will discuss the needs and R&D frontiers in this area, will be introduced by ES&T Chair William Horak.

All are welcome to this free talk, which is open to the public. Visitors to the Lab of 16 and over must carry a picture ID.

Since joining the Lab in 1978, Butcher has been involved with a wide range of research projects related to energy and fuels. He led BNL's efforts in a large project aimed at reducing air pollution from coal-fired heating equipment in Cracow, Poland. He also served as technical leader of the Lab's residential oil-heat research program. Butcher received his Ph.D. in mechanical engineering from Stony Brook University in 1987.

To join the lecturer for dinner at a restaurant off site after the talk, contact Sue Walch, Ext. 2418.

Sambamurti Lecture

(cont'd.)



Saskia Mioduszewski

day, July 21, at 3 p.m. in the Large Seminar Room of Physics, Building 510.

In her talk, Mioduszewski will discuss the results from RHIC's experimental collaborations and how researchers hope to create a form of matter in which the basic building blocks of matter — quarks and gluons — interact freely in what is called quark-gluon plasma, believed to have existed at the birth of the early universe. As Mioduszewski will explain, characterizing the state of matter produced in the collisions is challenging because of its very short duration. She will describe the sophisticated tools used by researchers to meet this challenge.

Mioduszewski received B.S. degrees in physics and mathematics from North Carolina State University in 1994, and a Ph.D. in nuclear physics from the University of Tennessee in 1999. In January 2000, she came to BNL as a postdoctoral research associate to work on the PHENIX Experiment at RHIC. And, in 2004, Mioduszewski received the Presidential Early Career Award for her research on the PHENIX experiment.

The Sambamurti Memorial Lecture was established in 1992 to commemorate the work of Aditya Sambamurti, a young BNL physicist who died of cancer in 1992, at age 31. Each year, an outstanding young physicist whose professional interests overlap those of Sambamurti is selected to deliver the lecture.

News From BNL's Program For Speakers of Other Languages

New Beginner-Level English Class

The English for Speakers of Other Languages (ESOL) Program has a new beginner-level English class. The new class meets on Thursday mornings, 11 a.m.-12:30 p.m. Another beginner class also meets on Wednesdays, 3-5 p.m.

ESOL provides ongoing, free English classes for visitors, guests, employees and their spouses, partners and family members. ESOL instructors create a relaxed learning environment for practicing conversational English. Classes are arranged by level into three main categories: advanced, intermediate and beginner. Go to: <http://www.bnl.gov/esol/> and click on "Class Schedule" for days and times. For more information or to register for classes, contact Jennifer Lynch, ESOL Program Coordinator, Ext 4894 or lynch@bnl.gov.

Habla Español? Parlez-vous français? Do you speak English?

The Language Interchange Program (LIP) seeks individuals who speak English, French or Spanish fluently who are willing to offer conversation practice to speakers of other languages. Speakers of all languages are warmly invited to join LIP, which has 30-plus members with 13 languages represented, but many members would like to learn English, French or Spanish, so more speakers of these languages are needed.

One LIP member, Christine Aidala, who is a physics Ph.D. student working on the PHENIX experiment at BNL's Relativistic Heavy Ion Collider, learned four languages from her LIP partnerships. "LIP has provided me a lot of opportunities to practice with, and learn from, native speakers," says Aidala. "Over the course of the past three years, I've been able to practice French, Italian, German, and Japanese. It's a wonderful feeling to be able to communicate with someone in his or her native language."

To express interest in joining LIP, fill out the short form at www.bnl.gov/esol/LIP.htm. For more information, contact Jennifer Lynch at ext 4894 or e-mail lynch@bnl.gov.

BNL ESOL Students, Instructors Honored



Pictured are: (back, from left) Jennifer Lynch, BNL's English for Speakers of Other Languages (ESOL) Program Coordinator; ESOL tutor Helga Guthy, and ESOL tutor, formerly BNL ESOL student, Kati Petrecksy; (front, from left) ESOL students and *Reading for Life* authors Kazuko Watanabe, Jing Nie, Chie Uematsu, and Hyo-Jeong Kim. Not pictured is *Reading for Life* author and ESOL student Nancy Feng.

For the second year running, at the annual "Recognition Celebration" held in April by Literacy Suffolk, Inc. (LSI), BNL's English for Speakers of Other Languages (ESOL) students and instructors were honored for their accomplishments and volunteer efforts. The event was held at Brookhaven Town Hall and 300 guests attended, including local government officials, with the keynote address given by Suffolk County Executive Steve Levy.

LSI trains individuals to become volunteer tutors of ESL and basic literacy. Four of BNL's ESOL tutors completed the training: Sarah Assamagan, Helga Guthy, James Higgins, and Jouliya Koukhalskaya. Said Jennifer Lynch, ESOL Program Coordinator, "They are all exceptional tutors and very dedicated to the BNL ESOL Program."

Another success story: five BNL ESOL students submitted stories to LSI's annual *Reading for Life* magazine and were published. Authors include Nancy Feng, Hyo Jeong Kim, Jing Nie, Chie Uematsu, and Kazuko Watanabe, who, in the tradition of the celebration event, gave autographs from the "Author Tables" to attendees who requested their signatures.

Two BNL ESOL instructors received awards: Katalin Petrecksy received a Full Circle Award as a student who had recently completed the Literacy Suffolk Tutor Training and is now a volunteer tutor. Helga Guthy, spouse of retired BNL employee Jack Guthy, received the Five Year Service Award. Another such award was presented to Mary Jane Sheridan, who initiated the present ESOL Program at the Lab.

Said Lynch in conclusion, "The recognition by the Town and Suffolk County legislators of the BNL ESOL program along with the students and tutors across Long Island's East End filled everyone with a sense of pride in their achievements."

Inside Information

Group From BNL Attends Town Meeting

On Thursday, July 7, U.S. Representative Tim Bishop held a town meeting on "How the federal government helps Brookhaven Lab." A group of BNL employees attended the meeting, which was located at the Dowling College NAT Center, William Floyd Parkway.

Bishop summarized the present science funding situation, which includes recommendations from the U.S. Congress and the Senate to restore and possibly slightly increase funds to the originally proposed cuts to the nuclear physics and basic energy sciences budgets. Although the final amounts are not yet decided, BNL's Relativistic Heavy Ion Collider and National Synchrotron Light Source may expect Fiscal Year 2006 funding to remain at least at the present level.

During the subsequent question and discussion period, issues raised included the need for more support for the National Science Foundation, which funds several important BNL programs, and the national laboratories' Laboratory Directed Research and Development programs.

Fall 2005 On-Site Courses

The following courses will be offered on-site for the fall 2005 semester and will satisfy requirements for most Suffolk County Community College degrees. A minimum of 12 students is needed for each course.

BA55 - Organizational Behavior
Study of the nature of people in a business environment, significance of work, and the human resource. Topics include job satisfaction and motivation, formal and informal work groups, organization and authority, employee relations with the public, decision making and problem solving, the needs and goals of both people and the business environment. No prerequisite, 3 credit hours.

EK11 - Current Economic Issues
Introduces use of economic methods for understanding social and political events dominating news headlines. Crime, health care, poverty, and taxes are issues important in our daily lives and may serve as topics in developing the course. No prerequisite, 3 credit hours.

Employees taking college courses may apply for tuition assistance. BNL offers tuition advances or reimbursements at a rate of 75 percent for undergraduate courses. For more information, contact Starr Munson, Ext. 7631.

National Ride To Work Day, 7/20

Lab motorcyclists are invited to help BNL's Cyclotrons Motorcycle Club to promote motorcycle commuting by riding to the Lab on Wednesday, July 20, and joining in the club's lunch of heroes, salads, and soda at the gazebo at noon, rain or shine. All are welcome. The lunch is free for club members, and \$5 per person for nonmembers. For more information, call Frank Dusek, Ext. 2022, and see www.bnl.gov/bera/activities/mcycle/.

Trip to Ellis Island, Statue of Liberty, 8/7

BERA will sponsor a trip on Sunday, August 7, to tour Ellis Island and the Statue of Liberty. The luxury coach will leave the Brookhaven Center at 8:30 a.m., and leave the city at 4 p.m. The cost of \$25/adult, \$20/children of 12 and under includes ferry, ticket to the Statue of Liberty, as well as coach fare. Buy tickets at the BERA Sales Office in Berkner Hall, weekdays, 9 a.m.-3 p.m.

Vehicle Auction, Today Through 7/22

The Government Services Administration will offer 20 motor vehicles, located at Warehouse T-87, for public auction starting today, July 15, through Friday, July 22, during which time anyone may bid on the vehicles. Photos of each vehicle, with pertinent information, is available at www.gsaauctions.gov. To inspect the vehicles, call Jerry Quigley, Ext. 4527. For more information, contact Rosalie Alongi, Ext. 5138, ralongi@bnl.gov.

In Memoriam

Henry Weinman, who came to BNL on June 21, 1948, to become a patrolman B and then a patrolman in what is now the Safeguards & Security Division, died on January 8, 2005, at age 93. In March 1973, he moved to the Health Physics Division and retired on March 29, 1974.

James Birtle, who became a systems analyst II in the Fiscal Services Division on September 17, 1962, died on February 23, 2005. He was 77. He joined the Applied Mathematics Department in 1976, then Management Information Systems in 1981, leaving the Lab as a senior staff specialist on June 30, 1989.

Virginia Richardson, who became a clerical assistant in the then Personnel Division on August 22, 1988, and retired as a secretarial specialist from the Instrumentation Division on June 30, 1994, died on February 25, 2005. She was 70.

Audrey Biittner, who joined the Physics Department on September 9, 1958, as a technician C, and retired on August 31, 1979, died on May 16, 2005, at age 89. She had become a scanning specialist in 1970 and had been promoted to Scanning Supervisor on August 1, 1973.

Summer Student Talent Show, 7/21

All are invited to attend the Office of Educational Program's (OEP) Summer Student Talent Show on Thursday, July 21, at 7 p.m. in Berkner Hall. See student mentors and other BNL staff perform with this year's summer students, as students compete for cash prizes at this free public event.

OEP is currently seeking volunteers to assist in event planning and organization as well as BNL participants. If you would like to assist, or have questions, then contact Tabatha Wyche, Ext. 2890.

Arrivals & Departures

Arrivals

Saumen Datta Physics
James Jefferis PPM

Departures

Anshul Airen Medical
Marita Berndt ES&T
Theresa Clark Plant Eng.
Theresa Esposito P&GA
Edward McFadden ITD
Amy Ramsdell Waste Mgmt.
Eva Rothman NSLS
Jeffrey Rothman NSLS
Xiaodong Tao CFN
Lawrence Welcome Magnet
Haito Wu Medical

Calendar

(continued)

Wednesday, 7/20 (cont.)

ASAP Party

5 p.m. Ball field Gazebo, or ASAP lounge, Bldg. 720 in case of rain. For students and postdocs. Food, soft drinks provided. Bring music.

Thursday, 7/21

*ASAP CrossTalk II

Noon-2 p.m. Brookhaven Center South Room. Members of BNL's Association for Students & Postdocs (ASAP) will present research in the energy, Environment & National Security Department. All are welcome. Lunch will be served. See notice, page 2.

*Sambamurti Memorial Lecture

3 p.m. Large seminar room, Physics Department, Bldg. 510. Saskia Mioduszewski, Physics, will talk on "Tools to Characterize the Matter Created at RHIC," as the 2005 Sambamurti Memorial Lecture. All are welcome at this free talk. See story, page 1.

*Summer Student Talent Show

7 p.m. Berkner Hall. Sponsored by the Office of Educational Programs (OEP), student mentors and other BNL staff will perform with this year's summer students, with students competing for cash prizes. All are welcome at this free public event. Visitors to the Lab of age 16 and older must carry a photo ID. To help in planning or to volunteer as a participant, call Tabatha Wyche, Ext. 2890.

Sunday, 7/24

*Summer Sundays: Chemistry, Nanoscience

10 a.m.-3 p.m. Learn about BNL research on addiction, ultra-fast chemical reactions, the study of materials one-billionth of a meter small. And create your own chemical reaction — make slime! See notice, page 4.

*Hospitality Committee BBQ

5 p.m. Gazebo in the apartment area. Hamburgers, veggie burgers, hot dogs, drinks provided. Bring dessert to share with six people. All welcome. Lisa Yang, 878-3937. See notice, page 4.

— WEEK OF 7/25 —

Monday, 7/25

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.

Wednesday, 7/27

BSA Noon Recital

Noon. Berkner Hall. Paul Galbraith, Guitarist, will perform. All are welcome at this free public event sponsored by BSA. Visitors to the Lab of age 16 and older must carry a photo ID.

Saturday, 7/30

*Trip to Great Adventure

7 a.m. Brookhaven Center departure. BNL's Office of Educational Programs sponsors trip. \$40 covers breakfast, luxury coach transportation, park and safari admission. Cash only. Bus leaves park 7 p.m. Tabatha Wyche, Bldg. 438, Ext. 2870.

Sunday, 7/31

*Summer Sundays: Science Museum

10 a.m.-3 p.m. See notice, top, left. Explore fun-filled interactive exhibits at BNL's Science Museum. New this year, a 3-D visualization theater will show fascinating scientific images. Also, the Long Island Sciencenter will feature a hands-on exhibit on the physics of toys, and the Goudreau Math Museum will offer stimulating math games.

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.

Save Time, Plan Ahead Use On-Site Service Station

Need your vehicle inspected, or your brakes or battery checked and/or replaced? This and much more can be done at the on-site service station while you are at work. Call Ext. 4034 for more information.

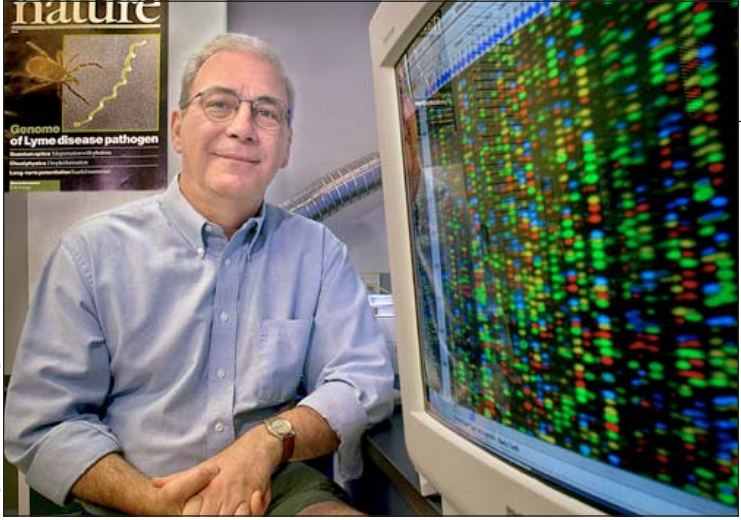
On Summer Sundays — BNL Open Through 8/21 — This Sunday Features Life Sciences

This summer, combine free family fun and learning something about the tremendous discoveries at the Lab by visiting BNL on a Summer Sunday. You can try out interactive exhibits, see an entertaining science show, and each week, tour a different facility and meet a scientist who will tell you in nontechnical terms about some of BNL's forefront research.

Summer Sundays run through August 21. No reservations are needed. Visitors, including anyone from the Lab community, may arrive at any time between 10 a.m. and 3 p.m. All visitors

age 16 and over must bring a photo ID.

Every Sunday, the educational and entertaining "Whiz Bang Science Show" will be staged at 10:30 a.m., noon, 1:30 p.m. and 3 p.m. In addition, visitors may test their creative and problem-solving skills at the Brain Teasers exhibit in Berkner Hall lobby. Artifacts from Camp Upton — the U.S. Army base that occupied the Lab site during World Wars I and II — will also be on display. The Summer Sunday schedule of facilities to visit follows:



John Dunn, Biology Department

Classified Advertisements

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

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

TB3522. SENIOR SECRETARY (CW-3) - Term appointment- Requires a minimum of three years relevant work experience, proficiency in MS office applications, excellent written and oral communication skills, the ability to prioritize assignments, be flexible and adapt to needs of group. Knowledge of Laboratory procedures and experience with People Soft Financials and HR, such as domestic and foreign travel, guest registrations, collaborators & consultants, purchasing, accounts payable, and inventory is necessary. Under minimum supervision will perform multiple tasks including coordinating meetings, workshops and conferences. Physics Department.

TB3229. ADMINISTRATIVE SERVICES ASSISTANT (A-2) - Requires an AAS (database management, computer technology, business) plus at least 2 years' relevant experience, as well as basic database development and maintenance skills, strong analytical, communication and interpersonal skills, and proficiency in MS Access, Word and Outlook. Knowledge of lab policies and procedures and experience in issuing laboratory appointments and check-in process, which requires a clear understanding of acceptable working INS documentation and all supporting documents associated with work-type visas a plus. Involves extensive interaction with the NSLS user community and staff. Utilizing various databases, primary responsibilities include issuing user appointments, monitoring training exams, database maintenance, input and reporting as directed by the NSLS User Administrator. National Synchrotron Light Source Department.

TB6000. PLUMBER A (Temporary Assignment) - Under the minimum supervision lays out, constructs or installs, repairs, and maintains water and gas distribution systems, related facilities and auxiliary equipment and equipment utilizing water, gas and heat distribution services. Plant Engineering Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK3667. POSTDOCTORAL RESEARCH ASSOCIATE (Two Positions) - Requires a Ph.D. in structural biology and/or crystallography along with experience in all aspects of modern macromolecular crystallography, including crystallization, synchrotron data collection, phasing and refinement. Experience with UNIX system management is preferred for at least one position. Candidates will participate in the New York Structural Genomics Research Consortium (NYSGRS), www.nysgrs.org. The research program involves high throughput structure determination of macromolecules. The Biology Department has excellent facilities for structural biology and state-of-the-art x-ray diffraction data collection facilities available at the NSLS. Under the direction of S. Swaminathan, Biology Department.

MK3230. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in accelerator physics, computational science, control theory, or nonlinear optimization for the lattice design of a world class 3rd generation synchrotron light source, i.e. the nonlinear stability problem for the relativistic Hamiltonian for a charged particle in an external electromagnetic field. Methods include map based perturbation theory for Hamiltonian flows, computer modeling, Automated Differentiation, and Frequency Map Analysis. The work requires exceptional problem solving skills, "out-of-the-box" thinking, and resolv-

ing challenging issues in a timely fashion. Under the direction of J. Bengtsson, National Synchrotron Light Source Department.

MK3768. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics or a related field with relevant experience. Candidate will join NIGMS East Coast Biology Program funded structural biology facility at the National Synchrotron Light Source (NSLS), beam line X6A, with focus on the automation of the current facility. The NIGMS East Coast Structural Biology facility at the NSLS has been established to provide first-class resources to a growing community of life scientists to explore all aspects of structural biology. Our goal is to offer rapid access to beam time and high sample throughput. We expect the candidate to develop instrumentation and algorithms to further develop a fully automated environment for the structural biology community. Under the direction of V. Stojanoff, National Synchrotron Light Source Department.

NS3347. PHYSICIAN (M-3) - Requires NY State physician license and Board Certification or eligibility to be Board Certified in Occupational Medicine. Occupational Medicine experience preferred. Duties will include examinations and other tasks related to employee health and safety. This is a full-time position, however, part-time hours will be considered. Human Resources & Occupational Medicine Division.

TB3767. SCIENTIFIC ASSOCIATE IV (P-1, Term Appointment) - Requires a Bachelor's or Master's degree in biochemistry, chemistry, or physics with relevant experience in the field of structural biology and knowledge of structural biology software and computer hardware preferred. The candidate will join the NIGMS funded structural biology facility at the National Synchrotron Light Source, beam line X6A. The NIGMS East Coast Structural Biology Program provides first-class resources to a growing community of life scientists to explore all aspects of structural biology. Duties and responsibilities include the evaluation and installation of current crystallographic software and computer hardware as it becomes available; and general user support under general supervision. National Synchrotron Light Source Department.

TB2893. STAFF SPECIALIST (A-6) - Requires a BA in Political Science or similar field of expertise (MA degree preferred) with 4 years' related experience in locating, assembling, and collecting raw data for analytical use. Performs essential tasks related to the research, analysis, and production of finished counterintelligence products for BNL and the DOE Office of Counterintelligence, including threat assessments, case studies, program reviews, conducting formal presentations and briefings. Experience in assessing and analyzing data to reach judgments, conclusions and recommendations supported by the assembled facts, and devises long and short term estimates of future trends and possibilities. Self-motivated with strong oral and written skills. Must be able to travel for official business. Must be a U.S. Citizen and possess or qualify for DOE "Q and Sensitive Compartmented Information (SCI)" security clearances. Also subject to, and must successfully pass, a CI-scope polygraph examination. BNL Counterintelligence Office.

TB3707. ELECTRICIAN A (Term Appointments) - Under minimum supervision lays out, constructs, installs, maintains, repairs and operates (in accordance with the national electrical codes, or as otherwise directed) electrical systems, equipment, controls and related devices. May be required to perform similar duties on other than maintenance division equipment and facilities. Plant Engineering Division.

7/17 Life Sciences: Explore the fascinating world of biological and biomedical research. Discover how today's research may lead to tomorrow's cures for common illnesses. Learn about techniques and tools used in DNA sequencing, electron microscopy, and x-ray crystallography.

7/24 Chemistry and Nanoscience: Bring chemistry to life, learn to think small, and make "slime!"

7/31 Science Museum: Learn how to play with science.

8/7 National Synchrotron Light Source: See with invisible light, learn about discoveries impacting everyday life.

8/14 Celebration Sunday: See the Einstein & Beyond Magic Show, Blues/Jazz Concert, Camp Upton history, much more.

8/21 Relativistic Heavy Ion Collider (RHIC): Probe matter thought to have existed at the beginning of the universe.

Bus Trip to Great Adventure, 7/30

BNL's Office of Educational Programs is sponsoring a bus trip to Six Flags Great Adventure on Saturday, July 30, at a cost of \$40 per person, which includes breakfast, luxury coach bus transportation, and park and safari admission. The bus departs from BNL at the Brookhaven Center at 7 a.m. and leaves the park at 7 p.m. Space is limited and reservations will be taken first come, first served. To reserve a spot, bring \$40 per person, cash only, no refunds, to Tabatha Wyche, Bldg. 438, by Friday, July 22. For more information, call Ext. 2890.

Motor Vehicles & Supplies

03 MERCEDES C240 4MATIC WAGON - V6, 2597cc, pwr. s/roof, http://usr.v7.com/ts/21K mi. \$24,900/neg. Taka, Ext. 8408.

01 YAMAHA MOTORCYCLE - Roadstar Silverado 1600cc, w/shld., studed seats & saddle bags. 7500 mi. \$5,500/neg. 645-5844.

01 HYUNDAI ACCENT L - hbk, 4cyl, 5spd, am/fm/cass, a/c, excel. cond., gas mi.; 56K mi. \$5,000/neg. Ext. 4081 or 321-604-1183.

00 CHEVROLET EXPLORER LTD SE - Hi-Top, V8, 14" TV, VCR, fog lamps, sofa bed, 4 capt chrs., 66K mi. \$16,800/neg. 889-5302.

99 NISSAN ALTIMA - 4-cyl., a/t, a/c, remote start, cd, vg cond. 91K mi. \$5,500. 589-8331.

98 FORD CONTOUR SE - 4-dr., auto, cruise, a/c, AM/FM, all pwr., new batt. & tires, good cond. 88K mi. \$3,700/neg. Yiqu, 395-5474.

98 NISSAN 200SX SE-R - 5spd, p/s, p/w, a/c, 2dr., mint cond. 94K mi. \$4,300. 816-1711.

97 NISSAN ALTIMA - 4-cyl, 5-spd, ac, p/s, p/b, p/w, p/l, c/c, m/roof, new batt. & muffler, good cond. 142K mi. \$2,350/neg. Ext. 4457.

96 CHRYSLER CIRRUS LXI - 4-cyl, a/t, a/c, abs, c/c, p/w, leather, good cond, recent insp. 75K mi. \$2,800/neg. Mark, Ext. 2247.

96 TOYOTA CAMRY LE - V6, excel. cond. 83K mi. \$4,900. Peter, 286-5918.

95 FORD F250 - 4x4 8' bed no rust or dents, Cap, cd, a/c, a/t. Excel. cond. 100K mi. \$7,000. Roy, Ext. 4843 or 631-727-6714.

95 LAND ROVER DISCOVERY - excel. 10-CD changer, 2 s/roofs, frt. grill bar, p/w, p/d, a/c, p/b. 135.000 mi. \$4,300/neg. 650-5529.

95 NISSAN ALTIMA - 5-spd, 2WD, 4-cyl. Good cond. Moving, must sell. 935K mi. \$2,900/neg. Alex, Ext. 3550.

94 TOYOTA CAMRY - LE V6, a/t, am/fm, abs, 2 air bags, p/l, p/s, p/w, vg cond. 92K mi. \$4,900/neg. Ext. 2604.

94 SAAB 900S - 2.3L, a/t, a/c, c/c, p/b, p/s, am/fm/cass, new parts, gd. cond., may need new brakes. 133K mi. \$2,500. Ext. 3621.

93 AUDI 100S - 6cyl, 4dr, a/t, abs, a/c, p/b, p/s, p/w, p/l, c/c, am/fm/cass, sun rf, runs well. 120K mi. \$2,900/neg. Paul, Ext. 6223.

93 ACURA LEGEND - 4-dr., a/c, a/t, am/fm/cd, c/c, p/s, p/b, fair cond. 140K mi. \$750/neg. John, Ext. 4354.

93 MERCURY SABLE - a/c, all pwr., am/fm/CD, 4x4 doors, tellsheeba@yahoo.com. 140K mi. \$850/neg. Sheeba, 914-484-4429.

92 NISSAN SENTRA - 4-cyl., 2dr., a/t, a/c, am/fm, gd. cond., runs well, KBB sugg. price, \$1,435. 136K mi. \$1,000/neg. 889-9217.

92 HONDA CIVIC - a/c, airbags, gray, am/fm/cass. 85K mi. \$2,000. Babu, 344-1069.

91 HONDA DX - gd. cond., a/t, 2-dr., 154K mi. \$500/neg. Sangmoon, Ext. 3714 or 949-3809.

91 HONDA CIVIC LX - 4dr. 4-cyl, a/t, new rad. fr. calipers & brks., gd. cond., 30+mpg. 124K mi. \$1,600. Andrew, Ext. 3024.

91 ISUZU AMIGO - 5-spd, a/c, detachable CD player, removable half top. New brakes & tires. 39K mi. \$1,800/neg. 786-8535.

TIRES - P225-50R-16, set of 4 on low-profile alloy rims from a Ford Probe. \$30/ea. or \$100 for set. Ext. 3288 or 631-872-8972.

Boats & Marine Supplies

21ft' DIXIE BLUEFIN - 87 walkaround cuddy hardtop, 135hp, 2000 Volvo pentia io. \$3,000/neg. Donald, Ext. 5317.

DOWN RIGGERS - 2 Penn Fathom-Master 600, Gunnel mounts, Fathom Trol wts., rod holders, more. Excel., \$250/ea. 475-8183.

Furnishings & Appliances

AIR CONDITIONERS - 3 window units w/ 9.7 EER, two, '03, GE 5200 Btu.; one, '04, GE 5,150 Btu. \$45/ea. Ken, 929-6744.

BABY BASSINET - good cond., \$20. Chris, Ext. 2094 or 929-5008.

CRIB, MATTRESS & RUFFLES - Like new; orig. \$150; sell for \$35; You pick up in Holbrook. Sarah, Ext. 4862 or (631) 897-6585.

ENTERTAINMENT/WALL UNIT - beige laquer, wall-to-wall beveled mirror front, fits 40" TV, 2 side-pier cabinets, excel. 924-6475.

HOUSEHOLD - upright piano, master bdrm., sofas, loveseats, desk, d/r buffet & oat dinette set. Call for pricing. Lester, 473-5092.

KITCHEN SET - \$400; Thomasville d/r set, \$1,200; Lane l/r tables, \$300; Brolyhill Q/Sofa bed, \$300; desk, \$350, more. 474-2259.

LAMPS - Two, one floor, one table. Cream color, iron & shade. JCPenney. Excel. cond. \$50/set. 821-1271.

MICROWAVE - Sharp, large \$55, Holmes Air purifier w/filters, vg cond. \$75, Loft bed \$85. 821-1435.

OCCASIONAL TABLES - 3-pc Nichols & Stone, solid birch, two-tone finish. \$400. Excel. cond. 821-1271.

SLEEPER SOFA - Full-sized sofa with pillows, folded bed with mattress inside expands to queen-size bed. \$120. Ext. 4367.

WALL OVEN - 24" Magic Chef gas wall oven. Immac., used twice. Scifice, \$200. 514-9871.

WASHING MACHINE - GE Profile, white, like new, \$120. John, Ext. 2745.

Tools, House & Garden

LEAF BLOWER - Gas pwr., runs well, \$50. Tractor attachments; spreader, aerator and plow, \$40/all. Chris, Ext. 2094 or 929-5008.

PATIO SET - Two models: 6 cushioned chair model (\$150) or large oval table + 4 chair model (\$100). Yongjae, Ext. 8485.

WOOD LATHE - Rockwell 48", 12" swing w/ chisel set, \$200, Craftsman 10" rad. arm saw, \$50, C/man. 4" jointer \$50. Peter, Ext. 3981.

Lost & Found

FOUND - CAMERA - Call to describe & it will be returned. Ext. 5090.

Yard & Garage Sales

SHOREHAM - 4 Ashley Lane, Sat., July 23. Many items; mink coat w/fox collar, orig. \$1,000, 744-4611.

Farmer's Market

The BNL Farmer's Market will be held every Wednesday, now through August, from 11:30 a.m. to 1:30 p.m., on the lawn in front of Berkner Hall. Homemade pies, cakes, cookies, and breads; potted flowers, vegetables and herbs; as well as crafts are available. For more information, contact Joanne Rula, Ext. 8481.

Hospitality BBQ, 7/24

The Hospitality Committee invites all to a barbecue to be held at 5 p.m. on Sunday, July 24, at the apartment area gazebo. Hamburgers, veggie burgers, hot dogs, and drinks will be provided; participants are asked to bring a salad or desert to serve 6-8 people. Come celebrate summer, meet new friends, and dance to the sounds of Jerry the DJ! For more information, contact Lisa Yang at lisayang@optonline.net or 878-3937.

Recital

BSA Noon Recitals Berkner Hall 7/20, 7/27

On Wednesday, July 20, all are invited to hear performances by outstanding young pianists brought to the Berkner Hall stage by Paul Schenly, Director of Pianofest in the Hamptons. On Wednesday, July 27, prize-winning classical guitarist Paul Galbraith will perform at BNL. All are welcome.

Noon recitals are free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Miscellaneous

BABY'S ITEMS - Graco infant carseat, EuroBath, take along swing, Nojo baby sling, boppy pillow, more, like new. 909-1128.

CHILDREN'S ITEMS - 2 bed rails, great cond., \$20/both; 2 Century Breverra booster seats, great cond., \$25 each. Ext. 7862.

DINING ROOM CHAIRS - 5 blk w/woven seats, \$100/16 ft. ext. ladder, \$30; lg. garden cart, \$50; HP injet printer, \$15. 286-5918.

ESPRESSO BEANS - Lavazza Qualita D'Oro beans. 500 gm (1.1#) bags. \$10. Ext. 4575 or 473-3604.

PRINTER - Epson Stylus printer, model Photo RX500, hardly used. \$100. Ext. 3161.

Sports, Hobbies & Pets

BICYCLE - Women's 26" multispeed bike. Good condition, \$40. Steve, Ext. 7862.

SOLAR POOL COVER - 15 ft. round. Excellent condition. Works well. \$20. Ext. 5257.

Free
KID'S POOL - Plastic pool, 5ft x 1ft. Perfect for toddlers. You pick-up. Steven, Ext. 4846.

KITTEN - 8-wks female, vet checked, feline leuk. poss. Very affectionate, sweet, needs loving home ASAP. Jenn, 806-6378.

WATERBED FRAME - King-size, all wood, 6-drawer base, side-rail cushions. Ext. 2024 or 395-6112.

Wanted
AIR CONDITIONING REPAIR - Someone needed to fix noisy a/c unit. Betty, Ext. 3562 or 758-2653.

In Appreciation
Thank you to everyone who called about the crib. I got one right away. The family is very happy. Thank you again. — Hugh Rhodus

To My BNL Colleagues, Friends and Extended Family, Thank you for your generous contributions to the East End Hospice and for the dedicated library books to the Center Moriches Library in memory of my mother, Audrey D. Biittner. Your thoughts, prayers and support is gratefully acknowledged and deeply appreciated. — Bonnie McCgahern

Real estate ads omitted are available at <http://intranet.bnl.gov/ads/displayAdsAll.asp>.