

## Microgrid Allows Simultaneous Study of Multiple Variables *Could improve understanding, diagnosis of Alzheimer's and other diseases*

Scientists at BNL have developed a method for correlating the results of microscopic imaging techniques in a way that could lead to improved understanding, diagnosis, and possibly treatment of a variety of disease conditions, including Alzheimer's disease. The project, conducted at the National Synchrotron Light Source Department (NSLS), was funded by the National Institutes of Health, with operational support for the NSLS provided by the Office of Basic Energy Sciences within DOE's Office of Science. The Lab has filed a U.S. provisional patent application for the invention.

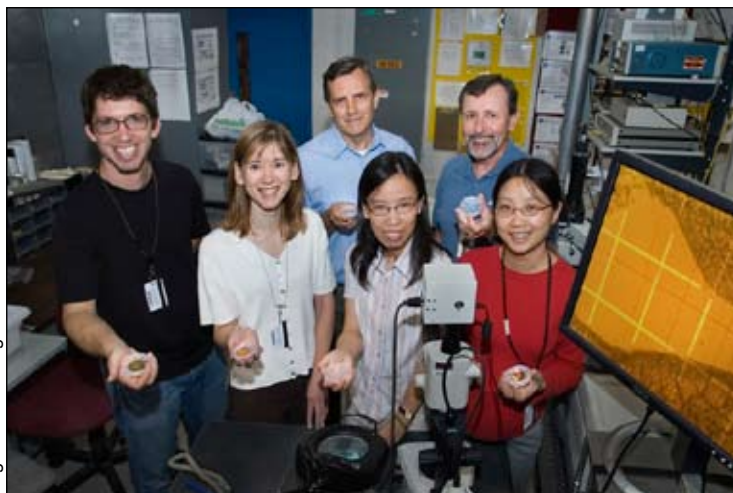
The invention is essentially a micron-scale metallic marking grid upon which scientists place their samples — biological tissues or inorganic samples such as minerals — prior to imaging with different methods.

"When the findings are

analyzed, the grid can be used to 'map,' or orient, the images to one another, allowing us to study multiple variables in a single sample and better understand how they relate to one another," said Lisa Miller of the NSLS, leader of the team of Don Elliott, Instrumentation Division; Randy Smith, NSLS; John Warren, Instrumentation; Qi (Adele) Wang, NSLS; and Hui Zhong, NSLS.

### More on the Microgrid

Many diseases, such as Alzheimer's, are characterized



Authors, from left, Randy Smith, Lisa Miller, John Warren, Qi (Adele) Wang, Don Elliott, and Hui Zhong

by changes in both organic materials, such as proteins, as well as changes in the composition or concentration of inorganic trace metals (e.g., iron, copper, and zinc). Scientists have techniques — infrared spectroscopy and x-ray fluorescence — for

studying each of these independently. But without a way to correlate the findings from the two methods, important information about the relationship between the organic and inorganic components can be missed.

"The x-ray- and infrared-sensitive grid allows for the study of both pathological symptoms by precisely overlapping the results of these imaging methods," Miller said. "This ability to correlate images will ultimately lead to a more complete picture of many disease states."

Once the images are collected, custom software uses the grid patterns to align the images and correlate them with each other.

In addition to helping scientists study disease processes, the method could also be applied in monitoring and/or cleaning up environmental contamination, which is also characterized by the interplay of organic and inorganic factors.

This work was performed at beamlines U10B and X26A at the NSLS, a source of intense infrared, ultraviolet, and x-ray beams used for studying atomic level details of a wide range of materials from biological molecules to semiconductor devices. — Karen McNulty Walsh

More information on this study can be found at: <http://www.nsls.bnl.gov/newsroom/science/2007/09-Miller.htm>. Inquiries on licensing this technology should be directed to Dorene Price at 631-344-4153 or [price@bnl.gov](mailto:price@bnl.gov).

## Six BNL Scientists Awarded Tenure

Brookhaven Science Associates (BSA) granted tenure effective August 1 to: Scott Berg, Physics Department; Dax Fu, Biology Department; Timur Shaftan, National Synchrotron Light Source II; Vivian Stojanoff, National Synchrotron Light Source Department; Flemming Videbaek, Physics; and Zhangbu Xu, Physics. Fu was featured in the Bulletin of 11/2/07. Articles on Shaftan and Videbaek appear at right.

### Timur Shaftan

Timur Shaftan, a physicist in National Synchrotron Light Source (NSLS)-II, won tenure for his outstanding research on electron beams in accelerators for synchrotron radiation and free-electron laser sources and significant contributions to the development of the Deep Ultraviolet Free-Electron Laser (DUV-FEL) and the conceptual design report for NSLS-II.

"Timur has made significant contributions to accelerator physics, particularly in developing synchrotron radiation and free-electron laser sources. He is widely recognized in the community as one of the top scientists of his generation in his area of research," said Chi-Chang Kao, NSLS Chair. "His broad knowledge and exceptional ability have had an important impact on accelerator projects at the

Lab, and he is playing a critical role in developing accelerator systems for NSLS-II."

Shaftan received his Ph.D. in physics from the Budker Institute of Nuclear Physics, Novosibirsk, in 1997. His Ph.D. thesis was dedicated to experiments with a single electron in a storage ring. In 2000, he became a research associate at the NSLS, working at the Accelerator Test Facility, where he suggested and developed an interferometer that demonstrated the high temporal coherence of the High-Gain Harmonic Generation (HGHG) FEL output. He also developed an infrared detector, the Liquid Crystal Camera that has become of interest for industrial applications.

In 2001, he joined the NSLS, rising to physicist by 2004. As part of the DUV-FEL team, he played a key role in the successful generation of the saturated output from the HGHG FEL in 2003. He also designed experiments to characterize effects in high-brightness electron beams that he, with Zhirong Huang of Stanford Linear Accelerator Center, then

showed to be caused by the longitudinal space charge. At DUV-FEL he also thought of a way, which he and BNL's Li-Hua Yu later proved experimentally, of making short-wavelength seeded FELs continuously tunable without tuning the wavelength of the seed laser. Currently, he leads the development of the NSLS-II injection system.

— Liz Seubert

### Flemming Videbaek



Physicist Flemming Videbaek was awarded tenure for his seminal contributions to the Relativistic Heavy Ion Collider (RHIC) and for his leadership from its inception of the BRAHMS experiment.

"Under Videbaek's leadership, BRAHMS has been a full partner — along with PHENIX, PHOBOS, and STAR — in the remarkable exploration of a new realm of nuclear matter whose scientific impact has been well documented not only in scholarly journals but in the popular media as well," said Physics Department Chair Thomas Ludlam. "BRAHMS has been an extraordinary success, has had

a role in all of the important discoveries at RHIC, and has contributed its own unique discoveries in both the heavy ion and polarized proton experiments. Videbaek's vision for the detector and his leadership have been essential to these discoveries."

The collaboration has published influential results that have altered the direction of

(continued on page 2)



Roger Stoutenburg D2231007

### BNL Lecture Rescheduled To 12/5

**'Stochastic Cooling at RHIC: Brighter Beams, Better Physics'**

The 430th Brookhaven Lecture, "Stochastic Cooling in RHIC, Brighter Beams, Better Physics," by accelerator physicist Mike Blaskiewicz, Collider-Accelerator Department, has been rescheduled and will be given on Wednesday, December 5, at 4 p.m., in Berkner Hall. All are welcome to the talk, which is free and open to the public. Refreshments will be offered before and after the talk. Those who wish to accompany the lecturer to lunch at a restaurant off site on the day after the lecture, Thursday, December 6, should call Anna Petway, Ext. 4776, [petway@bnl.gov](mailto:petway@bnl.gov).

## Nuclear Safety Regulatory Group Meets at Brookhaven Lab

From October 16-18, BNL hosted the fall 2007 meeting of the Energy Facility Contractors Group (EFCOG) Price-Anderson Amendments Act (PAAA) Working Group. The group's main purpose is to promote excellence through the active exchange of programs, practices, procedures, lessons learned, and other information. Historically, the primary focus of the EFCOG PAAA Working Group has been on nuclear/radiological safety regulatory activities, but new federal regulations covering security of classified information and worker safety & health have resulted in significant changes to the scope and structure of both the DOE Office of Enforcement and the working group.

The meeting included talks on lessons learned from recent DOE enforcement actions, screening and reporting of worker safety & health and security violations, and a talk by Arnold Guevara, the new Director of the DOE Office of Enforcement. It was organized and coordinated by Charles Dimino, BNL's PAAA Coordinator, and Peggy Sparrow of BNL's Internal Audit & Oversight Office.

Participants in the meeting held at BNL for the Energy Facility Contractors Group (EFCOG) Price-Anderson Amendments Act (PAAA) Working Group include: (from left) Arnold Guevara, Director, DOE Office of Enforcement; Doon Gibbs, BNL Deputy Director for Science & Technology; Martha Thompson, Deputy Director, DOE Office of Enforcement; Mike Holland, Manager, Brookhaven Site Office; and Charles Dimino, BNL.



Joseph Rubino D1001007



Then & Now — Getting to Know Others at BNL

Who all are employees at the Lab? And what do they do on the job or in their spare time? Articles about other BNLers' work and hobbies have proven popular, and a new homepage series, "Employee Profiles," has begun, with "Main-gate Maggie," or Maggie Rando of the Safety & Security Division (see story at right) as the first star of the show. Already, six other stories on BNLers of interest are archived in the series at [www.bnl.gov/today/EmployeeProfiles.asp](http://www.bnl.gov/today/EmployeeProfiles.asp).

A quick scan of Isotopics, the Lab's first newspaper, shows that staff profiles were as popular "then" as "now." A few of these profiles are summarized below.



EO050948

Sydney Thompson

Research chemist Sydney Thompson was featured in the March-April, 1948, Isotopics. Born in Ann Arbor, Michigan, in 1913, he received his M.A. in 1936 from the University of Toronto. He taught chemistry at Sam Houston College, Texas, and held various research positions, including one for three years in the Manhattan Project. He joined BNL on June 1, 1947, and in 1948 was studying the use of radioactive tracer elements in chemical processes. With his wife Mary and two sons, he lived in the apartments on site. His hobbies were woodworking and making educational toys, and he was a keen student of historiography. Thompson was also active in organizations such as the Urban League and Sydenham Hospital in Harlem, NY.



EO020907

Fred Crozier

Fred Crozier, Inspector of Police Protection for the Manhattan District, came to Upton in September 1946 to organize the BNL Police Department in preparation for the Lab's occupancy. Eighteen men were on the force when he took over as Chief, and when the site opened for BNL in March 1947, the force was already built up to 40 men. Born in New York City, Crozier spent many years at the Pinkerton National Detective Agency, his investigations taking him into all corners of the U.S. In addition to "puttering" around the house, he said, his main hobby was amateur radio — he sat up till all hours trying to reach radio hams in all parts of the world, and was said to "pop up" at the Lab any time from midnight until dawn.



EO010948

Olga Vario

Olga Vario, an administrative aide in the Fiscal Office who was responsible for supervising payroll preparation, spoke, read and wrote French, Italian, Spanish, and German. As reported in the September/October 1948 Isotopics, she attended James Monroe High School in New York City, and earned her B.A. from Hunter College. After teaching languages in high school, she was employed in the Fiscal Department of the Manhattan District. In her spare time, she played piano, taught by her father, a professional musician, and she was also interested in art and craft activities.

Meet Maggie Rando

Maggie Rando, known to many as "Main Gate Maggie," greets almost every visitor to the Lab. Rando, who works in the trailer at the Lab's main gate, is responsible for following U.S. DOE and Lab procedures relating to site visitors. She processes main gate access forms, checks identification, and completes necessary forms for all visitors, with special attention to foreign nationals.



Roger Stoutenburgh 06600907

Rando (seated) greets a new BNL employee.

Rando loves her job. "Every day is diverse," she said. "I've met many different people from all over the world. Besides many employees, I've also met elected officials, contractors, and scientists coming to the Lab with their families to start new jobs."

During the Bulletin's interview with Rando, a truck driver entered the trailer and said he was from the Kiwanis organization and had come to pick up a car that a BNL employee was donating to them.

Rando checked her computer and found that the employee had not completed an online gate access form, but that did not stop her from getting the job done. She called the employee, who confirmed he was donating a car to the Kiwanis. Since no access form had been submitted, Rando called one of the police officers to escort the truck driver to the appropriate Lab location. All of this was done in a flash and all parties left happy. It was interesting to watch Rando in action and get a better understanding of her job and how she does it. Rando stresses, however, that employees should not assume that main gate access forms are unnecessary. Visits to the Lab go much more smoothly if employees follow procedures.

"There are occasions when a visitor does not gain access to the site. We need to remember that after the tragedy on 9-11, these procedures were put in place to protect our site and everyone on it. I take my job very seriously," she said.

Many BNLers refer to Rando's work area as the "trailer of shame" — a phrase coined by employees and guests who have lost or forgotten their BNL I.D. badge and need to see Rando to get a temporary pass. The pass, a sticker that must be worn on site, is an obvious symbol to coworkers that the wearer has misplaced his or her badge and entered the "trailer of shame" to gain access to the Lab site. But Rando has worked hard to make the trailer a comfortable and welcoming place, with plants, personal artifacts, and a bulletin board of photos.

Rando, who recently received a BNL Spotlight Award, lives in Ridge. She spends her free time playing Scrabble and volunteering at her local church. A Juilliard scholarship winner, she says she plays piano "to help me relax."

— Jane Koropsak

Tenure: Flemming Videbaek

(cont'd)

the future program at RHIC. Two BRAHMS papers are among the most highly cited ever in experimental nuclear physics.

"Videbaek is clearly an internationally recognized scientific leader in nuclear physics," Ludlam said.

Videbaek earned his Ph.D. from the University of Copenhagen in 1974, continuing at the Niels Bohr Institute there as assistant and then tenured associate professor. From 1985 he worked at Argonne National Laboratory until joining BNL in 1989. He has held adjunct and guest appointments at institutions such as Kansas University,

Argonne, and Massachusetts Institute of Technology.

Though the BRAHMS experiment completed its data collection in June 2006, Videbaek continues to lead the collaboration and serve as its spokesperson as it completes data analysis. Since 2004, he has also been group leader in Brookhaven's Heavy Ion Research Group. In this role he has now taken on additional leadership responsibilities for future research at RHIC with STAR, RHIC II, and the planning for eRHIC, as well as in the heavy ion program with the ATLAS collaboration at the Large Hadron Collider.

— Karen McNulty Walsh

Service Anniversaries

The following employees celebrated a service anniversary during August 2007.

- 40 Years —  
Hans Abendroth..... C-AD  
Charles Nielson ..... NSLS
- 35 Years —  
Alexander Pendzick..... C-AD
- 30 Years —  
John Hauser.....Dir.'s Office  
Harold Kirk ..... Physics  
Richard Savoy ..... Cent. Fab.  
Peter De Toll ..... NSLS  
John Nagy ..... Env. Scis.  
Peter Schnitzenbaumer..... C-AD

- 25 Years —  
Ahovi Kponou ..... C-AD  
Dollie Johnson ..... Plant Eng.  
Barbara Pierce ..... Plant Eng.  
Thomas Langdon ..... Biology

- 20 Years —  
Troy Mayo ..... Plant Eng.  
Patria Cortes ..... Plant Eng.  
Robert DeAngelis ..... Plant Eng.  
Joann Giambalvo ..... Staff Servs.  
Robert Chmiel ..... NSLS  
John Walsh ..... Instrum.  
John Cozzolino ..... Magnet  
Robert Colichio ..... Life Scis.  
Dennis Haeg ..... Plant Eng.

- 10 Years —  
David Winchell ..... ES&T  
Sandra Harris ..... Staff Services  
Maureen Fazio ..... Bus. Sysys.  
Dmitri Kharzeev ..... Physics  
James Cassidy, Jr. .... Plant Eng.  
Razvan Popescu ..... Physics  
Brett Parker ..... Magnet

The following employees celebrated a service anniversary during September 2007.

- 40 Years —  
Albert Casper ..... C-AD  
William Venegas, Jr. .... C-AD  
Raymond Atkins ..... C-AD
- 35 Years —  
Peter Bond .....Dir.'s Office  
Craig Thorn ..... Physics  
Michael Creutz ..... Physics  
Serban Protopopescu .... Physics  
Harold Bolling ..... P&PM

- 30 Years —  
Sheryl Golden ..... Env. Restor.  
Kevin Kobus ..... Plant Eng.  
Marilyn Zane .....Facils. & Ops.  
Mark Sardzinski ..... C-AD  
Peter Bonti ..... S&SD  
Susan Foster ..... HROM  
Jean Logan ..... Medical

- 25 Years —  
Alfonso Borrelli ..... NSLS  
John Muller .....Bus. Sysys.  
Jerry Gaeta ..... CEGPA  
Robert Sikora ..... C-AD  
Donald Tarrant ..... Plant Eng.  
Patricia Yalden ..... CEGPA  
Donna Dowling ..... HROM

- 20 Years —  
James Wishart .....Chemistry  
Joseph Braverman ..... ES&T  
Nora Volkow .....Dir.'s Office  
Katherine Orta ..... QM  
Lonny Berman ..... NSLS  
Arthur Scholtz ..... Plant Eng.  
Vincent Bonafede .....ITD  
Michael Furey .... Pol./Strat. PIng.  
Joseph Pagano ..... Plant Eng.  
Christopher Weaver .....ITD

- 10 Years —  
Vyacheslav Volko ..... CFN  
Achim Franz ..... Physics  
Jeffery Landgraf ..... Physics  
VivianStojanoff ..... NSLS  
Marc Pfeffer ..... NSLS

CIGNA Representative

A CIGNA Healthcare representative is available as needed in Human Resources, Bldg. 400, or by phone to assist with claims issues you have been unable to resolve yourself through CIGNA's Customer Service number (1-800-CIGNA24). Mary Beth Kivlen will be available by appointment only. You will need to provide all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

Coming Up, Wednesday, 12/12

• BSA Noon Recital, Opera Excerpts

Noon. Berkner Hall, Stony Brook Opera will present excerpts from Bellini's opera *I Capuleti ed i Montecchi*.

• 431st Brookhaven Lecture: BNL History

4 p.m. Berkner Hall. Lab Historian Robert Crease of Stony Brook University will talk on "Recombinant Science: The Birth of the Relativistic Heavy Ion Collider."

Dave Rahm Fest, 12/18

All are invited to an 80th Birthday Fest on Tuesday, 12/18, in the Physics Department, to honor David Rahm. A symposium will begin at 2 p.m. in the Large Seminar Room, speakers to include Sam Aronson, Robert Palmer, Veljko Radeka, Nicholas Samios, and Bill Willis. A dinner will be held at 6:30 p.m. Register at [www.usatlas.bnl.gov/DR80](http://www.usatlas.bnl.gov/DR80) or contact Linda Feierabend, Ext. 4887 or [feierabe@bnl.gov](mailto:feierabe@bnl.gov) by December 3.



BNL’s United Way Fund Drive Needs Your Support



Roger Stoutenburgh D0851107

BNL's United Way volunteers and department and division captains were joined by members of the Lab management at a breakfast held to kick off the 2007 fund drive.

This year’s United Way Campaign Chairman, Ken White of the Office of Educational Programs (OEP), with Kathy Gurski, who works with White in OEP, urge BNLees to support this well-known and worthy cause.

Says White, “The United Way of Long Island is a proven, effective way to help local families and individuals going through difficult times. The campaign slogan this year, “United We Care...United We Share,” reflects the spirit of generosity for which the Lab is known. Together, we can achieve our goal for supporting our local community through our combined contributions.”

The United Way of Long Island supports many service agencies that provide assistance to individuals and families who are undergoing sudden medical or economic hardships, or who have long-term need of support, for example, for a disabled child or an elderly relative.

This year’s campaign will include raising funds through the return of pledge forms that have been sent to all employees. This year’s goal — at least 500 pledge forms returned!

Pledge Forms Eligible for Air Tickets Drawing

To help support this effort, a new pledge incentive of round trip airline tickets for two within the Continental U.S., compliments of Omega Travel, has been added. Pledge forms received between 11/13 and 12/9 will be entered for a drawing for this generous contribution.

Departments are asked to support the events that help the United Way (see below) and add to the camaraderie of the holiday season. Beyond pledging support, other ways to help include providing volunteer hours, giving books or goods for the yard sale, and attending the various events. Participating employees who volunteer hours at their own chosen place of service can be matched by a contribution to the United Way campaign from Brookhaven Science Associates at a rate of \$20 per hour up to \$10,000. In addition, Battelle has offered to add another \$10,000 to be matched when the BSA funds are exhausted. Employees are encouraged to help earn that additional contribution.

Say White and Gurski, “We look forward to seeing you at the events. Have a wonderful holiday season as we help those in need. United We Care...United We Share.”

Upcoming United Way Fundraiser Events

- Through 12/31 ...**Volunteer Work Program**. Contact: Maria Beckman, Ext. 5463, beckman@bnl.gov; or Mary Campbell, Ext. 3927, maryc@bnl.gov.
- 12/5 & 6 ...**Holiday Auction**, Berkner Hall, 11 a.m.-2 p.m. Contact: Linda Sinatra, Ext. 6042, sinatra@bnl.gov; Linda Jones, Ext. 5406, jones3@bnl.gov; Linda Hanlon, Ext. 7517, hanlon@bnl.gov; Pam Yerry, Ext. 7774, yerry@bnl.gov; or Don Farnam, Ext. 8248, farnam@bnl.gov.
- 12/5 & 6 ...**Yard Sale**, Berkner Hall, 11 a.m.-2 p.m. Contact: Christopher Johnson, Ext. 7636, johnsonc@bnl.gov; or Denise Miesell, Ext. 5873, miesell@bnl.gov.
- 12/5 & 6 ...**Used Book Sale**, Berkner Hall, 11 a.m.-2 p.m. Contact: Kathy Lancaster, Ext. 7537, lancaster@bnl.gov; LaRosa Collins, Ext. 3138, larosa@bnl.gov.
- 12/14 .....**International Food Tasting**, Rec. Hall, noon-1:30 p.m. Tickets, \$10. Contact Jennifer Lynch, Ext. 4894, jlynch@bnl.gov.
- 12/18-21 ...**Holiday Gift Wrapping**, Berkner Hall, 11 a.m.-2 p.m. Bring your gifts to be wrapped for a small fee. (Gift paper & wrappers are needed — contact Christine Carter, Ext. 5090, ccarter@bnl.gov, if you are available or to make a donation.)
- Also, see the BNL United Way website: <http://intranet.bnl.gov/unitedway/>.

Retirement Planning: Vanguard, 12/7

The Vanguard Group invites you to spend 45 minutes one-on-one with a licensed representative, at the Lab, to talk about financial issues, on Friday, December 7. You may learn about: investing for long-term goals; selecting funds for savings; and making the most of the services and investment tools available. Schedule your session online at [www.meetvanguard.com](http://www.meetvanguard.com) or call 1-800-662-0106, Ext. 14500.

BERA Holiday Party, 12/7  
Today, 11/30, is the last day to buy tickets

A fun evening is in store — the BERA Holiday Party at Tall Grass Country Club in Shoreham, 6-11p.m. on Friday, December 7. Join in with a group of friends and make it happen!

Tickets are \$55 per person, which includes: cocktail hour, dinner buffet, dessert, dancing to a DJ and open bar. Tickets must be purchased in advance and are available at the BERA Store, weekdays, 9 a.m.-3 p.m. Pay in cash or by a check made payable to BERA. Tickets must be purchased by 3 p.m. today, Friday, November 30.

BREA Talk on Senior Citizen Task Force, 1/17

The Brookhaven Retired Employees Association talk that was to have been given in November by Suffolk County Legislator Steven Stern on the Suffolk County Senior Citizen Task Force has been rescheduled to be at 12:10 p.m. on January 17, 2008.

Today, 11/30: ESOL Class  
Make Presentations at Work

Today, Friday, 11/30, noon-1:30 p.m., a class will be held for non-native speakers of English to practice giving work presentations, with correct pronunciation, etc.; in the Large Conference Room, 2nd. floor, Bldg. 911, Collider-Accelerator Department (C-AD). All are welcome. The class will be taught by Jennifer Lynch, BNL English for Speakers of Other Languages (ESOL) Program Coordinator, and Beth Lin, BNL Biology Associate and Toastmasters President. The class is sponsored by ESOL, Toastmasters, and C-AD.

Bus Trip to NYC, 12/16

The Hospitality Committee invites all BNLees and their families to spend a day in New York City. Drop-off point: Rockefeller Plaza. The bus will leave the Recreation Hall, Bldg. 317, at 9 a.m. and leave the city at 6 p.m. The cost is: \$10, adults; \$5, children 2-12. Reserve places with Joanne Rula, Bldg. 400, 344-8481 or [jrula@bnl.gov](mailto:jrula@bnl.gov). Reservations and payments must be made in advance.

Arrivals & Departures

— Arrivals —	
Danda Acharya .....	CFN
Deborah Cubillo.....	S&HS
Michael Hause .....	Chemistry
Michelle Holbrook .....	P&PM
Michael McGrath .....	P&PM
Thomas Morton .....	HR/OM
Joon Park.....	Chemistry
Jonathan Rochford.....	Chemistry
Abdul Rumaiz .....	NSLS
Peter Selgrad .....	NSLS-II
Joseph Walsh .....	ITD
— Departures —	
R. Morris Bullock .....	Chemistry

Defensive Driving Course  
Two Parts: 12/13 & 20

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on consecutive Thursday nights: 12/13 and 20, in the Brookhaven Center South Room, 6 p.m.-9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families, at \$38 per person. Preregistration is required: call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

Travelogue Café: Virtual Tour of S. Africa, 12/4

Sponsored by the English for Speakers of Other Languages (ESOL) Program, ESOL Tutor Sarah Assamagan will present photos and a commentary on her trip to South Africa, on Tuesday, December 4, at 5:30 p.m. in the Recreation Hall in the apartment area. All are welcome. Coffee, tea and light snacks will be provided.

Social & Cultural Club Christmas Party, 12/14

The 20-piece “Bill Wilkinson & the Long Island Sound Orchestra” will perform at the North Ballroom of the Brookhaven Center on Friday, December 14, 8:30-11:30 p.m. during a dance social celebrating Christmas and the holiday season.

A half-hour beginner Swing dance lesson will be given at 8 p.m. After the live performance, an extra half-hour of Ballroom, Latin, Swing, and Hustle dance music will be played by a Digital-DJ until midnight. The event is sponsored by the BERA Social & Cultural Club and is open to the public; all visitors of age 16 and over must bring a photo ID. Tickets are sold at the BERA Store, at \$25, if paid before 12/7; \$30 by e-mail reservation, and \$35 at the door, if available. Only 200 tickets will be sold. The cost includes a cold hero buffet, cookies, refreshments, and the entertainment. ASAP members get a 50 percent discount. Contact Rudy Alforque, Ext. 4733 or [rudy@bnl.gov](mailto:rudy@bnl.gov) for more information.

Buy Science-Based Gifts, 12/7, 14, 21

The Science Learning Center Gift Shop has fun, unique science-based gifts for BNL employees, families, and guests to buy in the Science Learning Center (previously called the Science Museum), Bldg. 935, on three Fridays: December 7, 14, and 21, noon-2 p.m.

CALENDAR

— THIS WEEKEND —

Friday, 11/30

**ISM Champions Workshop**  
Last of three days. For agenda, see [www.bnl.gov/ismworkshop/](http://www.bnl.gov/ismworkshop/).

**\*ESOL Class: Making Presentations**  
Noon-1:30 p.m. Collider-Accelerator Dept. Bldg. 911. Large Conf. Room, 2nd floor. See notice at left.

— WEEK OF 12/3 —

Tuesday, 12/4

**\*Travelogue Café, South Africa**  
5:30 p.m. Recreation Hall. English for Speakers of Other Languages (ESOL)-sponsored event. ESOL tutor Sarah Assamagan will present photos and commentary on a trip to South Africa. All are welcome. See notice below, left.

Wednesday, 12/5

**United Way Holiday Auction, Yard Sale, Used Book Sale**  
11 a.m.-2 p.m. Berkner Hall lobby. All are welcome. See article at left.

**\*430th Brookhaven Lecture**  
4 p.m. Berkner. Mike Blaskiewicz, Collider-Accelerator Department, will talk on “Stochastic Cooling at RHIC: Brighter Beams, Better Physics.” All are welcome to this free public talk. Visitors to the Lab of 16 and over must carry a photo ID. Refreshments will be served before and after the talk. Note that this is a new date. See note on p. 1.

Thursday, 12/6

**\*Blood Drive**  
9:30 a.m.-3 p.m. B’haven Center. See page 4 for important information. To make an appointment, log on to the HR webpage, click on “Blood Drive” and select “Schedule an Appointment.” Or, contact Liz Gilbert, Ext. 2315.

**\*United Way Holiday Auction, Yard Sale, Used Book Sale**  
11 a.m.-2 p.m. Berkner Hall lobby. All are welcome. See article at left.

Friday, 12/7

**\*Buy Science -Based Gifts**  
Noon-2 p.m. The Science Learning Center, Bldg. 935 (previously called the Science Museum) has a gift shop where the Lab community is welcome to buy science-based gifts on three Fridays: Dec. 7, 14, 21.

**BERA Holiday Party**  
6-11 p.m. Tall Grass Country Club, Shoreham. Buy tickets at the BERA Store by 11/30. \$55 each. See notice below, left.

— WEEK OF 12/10 —

Wednesday, 12/12

**\*BSA Noon Recital**  
Noon. Berkner Hall. Stony Brook Opera performs excerpts from Bellini’s *I Capuleti ed i Montecchi*, which is based on the story of Romeo and Juliet. All are welcome to this free concert, sponsored by BSA. Visitors to the Lab of 16 and over must carry a photo ID.

**\*431st Brookhaven Lecture: BNL History by Robert Crease**  
4 p.m. Berkner Hall. “Recombinant Science: The Birth of the Relativistic Heavy Ion Collider,” is the topic of the second talk on the story of BNL to be given by Lab Historian Robert Crease, Chair of Stony Brook University’s Department of Philosophy, as part of the Lab’s 60th anniversary celebrations. All are welcome to this free lecture. Visitors to the Lab of 16 and over must carry a photo ID.

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](mailto:bulletin@bnl.gov). Write “Bulletin Calendar” in the subject line.



## Roll Up Your Sleeve: Blood Drive, 12/6

To replenish Long Island's blood supply, BNL is holding a blood drive on Thursday, December 6, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Donors must be from 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." Or, contact Liz Gilbert, Ext. 2315.

### Classified Advertisements

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees

**LABORER** (term appointment) - Performs wide variety of manual labor tasks on roads, grounds or building maintenance. May perform unskilled tasks assisting mechanics. Operates such equipment as power lawn mowers and pneumatic tools. Send resume to dianah@bnl.gov.

**PROCUREMENT & PROPERTY MANAGEMENT CLERK** - Under general supervision, performs clerical duties requiring thorough familiarization with the operation of a phase of a subdivision of the central stores facilities. As directed, assists and aids Senior Clerk in performance of specific functions. Typical duties include solving clerical problems, tracing errors and collecting data. Procurement & Property Management Division. Send resume to dianah@bnl.gov referring to Position No. DH4384.

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

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemistry or a related field. Experience in high resolution laser spectroscopy used in the field of chemical dynamics of transient molecular species is desired. Familiarity with the use of ultraviolet and visible lasers, electronics and vacuum systems is also desired, as is knowledge of chemical processes involved in molecular photodissociation and reactions. A description of the research program can be found at <http://www.bnl.gov/chemistry/programs/GPMD.asp>. Under the direction of T. Sears, Chemistry Department. Send CV to felicia@bnl.gov referring to Position No. FH 4588.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in nuclear or high energy physics. The Nuclear Theory Group at Brookhaven will have a position available beginning October 1, 2008. The Nuclear Theory Group has active programs in the theory of heavy ion collisions at ultrarelativistic energies, spin physics and nuclear structure. Interested candidates should send a CV, a list of publications and arrange to have three letters of recommendations sent by January 15, 2008 to Dr. Dimitri E. Kharzeev, Group Leader, Nuclear Theory Group, Department of Physics, Bldg. 510A, BNL, Upton, NY 11973-5000, referring to Position No. FH4783.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. theoretical physics. The Nuclear Theory Group at Brookhaven will have a position available beginning January 1, 2008 or later. This position is for research on the theory of strongly correlated systems (with an emphasis on graphene and quark-gluon plasma). Interested candidates should send a CV, a list of publications and arrange to have three letters of recommendations sent as soon as possible to Dr. Dimitri E. Kharzeev, Group Leader, Nuclear Theory Group, Department of Physics, Bldg. 510A, BNL, Upton, NY 11973-5000, referring to Position No. FH4782.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemistry or a closely related field (including physics, materials science or chemical engineering). Experience with power/single crystal synthesis, x-ray diffraction (powder, single crystal, and/or Rietveld) resistivity/Hall measurements, electrochemical measurements, electronic structure calcs, thin-film and/or nanoparticle preparations is desired. Prior experience with semiconductor materials is also desired. Under the direction of P. Khalifah, Chemistry Department. Send CV to felicia@bnl.gov, referring to Position No. FH4913.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemical engineering, materials engineering, mining/minerals engineering, inorganic chemistry with emphasis on environmental applications, or related fields. Solid understanding of chemistry of metals in aqueous solution is desired. Knowledge of hydrometallurgical separations of metals in aqueous so-



Joseph Rubino CNE-109-01

lution is also desired, as is knowledge of analytical chemistry laboratory techniques and safe practices. Proficiency with heavy metals analytical techniques and hands on experience with material analysis and characterization techniques such as ICP, XRD, and XRF is required. Experience with recycling/recovery of metals from solar cells or electronic scraps is a strong plus. Under the direction of V. Fthenakis, Energy Sciences & Technology Department. Send CV and list of publications to felicia@bnl.gov, referring to Position No. FH8830

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemical engineering, materials science, environmental engineering, industrial ecology or related field. Experience with life cycle analysis (LCA) tools and databases is required. Candidate should be familiar with one or more of the following: LCA computer models (SimaPro, TEAM, Gabi) and databases (Ecoinvent, DEAM, Franklin). Excellent English communication and technical writing skills are also required. Under the direction of V. Fthenakis, Energy Sciences & Technology Department. Send CV and list of publications to felicia@bnl.gov, referring to Position No. FH8831.

**ASSISTANT FISCAL OFFICER (M-1)** - Requires a minimum of a bachelor's degree in accounting or finance; a proven track record of at least 15 years' experience with progressively increasing management responsibilities in the field of corporate or public accounting or auditing with a medium to large organization as Controller, Assistant Controller, Accounting Manager, or Supervisory Internal Auditor. Candidate must be a CPA, and possess a working knowledge of Generally Accepted Accounting Principals (GAAP), Cost Accounting Standards (CAS), and general taxation and internal controls. Experience with a DOE Laboratory or government contractor would be highly desirable. As Assistant Manager of the Fiscal Services Division, responsibilities include providing guidance, direction and support for the General Accounting (including internal financial reporting and STARS/SGL submissions to the DOE), A/R, A/P, Payroll, Travel Office, the Foreign Travel Office, and Conference Management functions, and for federal and state tax compliance and reporting for the Laboratory and BSA. Additional responsibilities include being liaison to all external and internal auditors. Send resume to sobrito@bnl.gov referring to Position No. NS4797.

**CONVENTIONAL FACILITIES LEAD MECHANICAL ENGINEER (P-10/P-9)** - Requires a bachelor's degree in mechanical engineering or demonstrated equivalent capabilities and at least 15 years' experience in mechanical or facilities engineering. Master's degree or professional license a plus. Must have experience in the design, specification, procurement and construction of mechanical facilities for buildings. Must have experience in use of AutoCAD or similar design tools, vibration isolation methods, high accuracy temperature control systems, building energy management control systems, plumbing and piping systems and, mechanical services for laboratory and process equipment. Experience in project management, including estimating construction costs, preparing schedules, developing specifications, preparing procurement documents and managing contracted services is required. Selected candidate is responsible for planning, reviewing and monitoring the design and construction of the mechanical engineering work of the NSLS-II Conventional Facilities Division. Will be responsible for the mechanical engineering aspects of building HVAC, controls, fire protection, chilled water, process cooling water, plumbing and underground utilities; must have experience in: management and oversight of A/E design firms, construction contractors; oversight and coordination of construction activities, review of shop drawings, system commissioning and verification of system testing and performance. Experience in design and construction of underground utility systems, application of earned value management (EVMS) and control system programming is a plus. Will report to the NSLS-II Conventional Facilities Division Director. ERAP Eligible. Send resume to nsls2jobs@bnl.gov referring to DL4891.

**PROJECT ENGINEER I/QUALITY ENGINEER (P-9)** - Requires a bachelor's degree in engineering or a related discipline (advanced degree preferred) and 10 years' experience as a Quality Engineer in an engineering and manufacturing environment. ASQ certification (CQE, CQA) is a plus. Must have excellent written and oral communication skills and the ability to provide high quality reports and presentations. Must have excellent interpersonal skills and the ability to interact effectively with a diverse group of scientific, engineering and technical staff. A working knowledge of QA systems and their implementation, as well as, engineering drawings and manufacturing processes is required. Should be familiar with procurement processes and have considerable experience dealing with suppliers. Prior supervisory experience is a plus. The position will report to the NSLS-II Quality Assurance Manager and responsibilities will include the generation, implementation, and maintenance of QA systems and procedures, including design control, process control, discrepancy reporting, calibration and receiving inspection. Will specify and enforce supplier quality requirements, perform preaward surveys and surveillance, and ensure corrective actions as needed. Will also perform internal QA audits and provide support for external audits of the project. ERAP Eligible. Send resume to nsls2jobs@bnl.gov referring to Position No. DL4754.

**PROJECT ENGINEER II / INDUSTRIAL HYGIENE PROFESSIONAL (P-7)** - Requires a bachelor's degree or higher in industrial hygiene (IH), chemistry, engineering, physical or life science, and at least 7 years experience in applying IH expertise in an industrial or a laboratory setting. Must have excellent written and oral communication skills and experience in word processing, spreadsheets, and databases. Must be able to demonstrate proficiency in the use of routine IH instruments and be qualified to perform typical IH tasks such as ventilation measurements, noise surveys, and aerosol monitoring. Will be responsible for conducting inspections and investigations of a wide variety of work processes, operations and environments in the workplace for compliance with OSHA and ACGIH exposure limits. Will be responsible for reporting and communicating recommendations on occupational health hazards, analysis or risk, and recommendations to prevent or eliminate worker exposure to hazards. Safety & Health Services Division. Send resume to morales@bnl.gov, referring to Position No. RM 4630.

**STAFF SPECIALIST (A-6)** - Requires a bachelor's degree in accounting or business administration and at least 5 years of related professional experience. Demonstrated experience and ability in auditing financial records, use of business information systems, preparation of process documents, excellent written and oral communication skills, proficiency in Excel and Microsoft Office products, experience with PeopleSoft budgeting, queries and reports required. Extensive administrative experience should include financial performance and analysis, accounting procedures and policies, coordination and administration of programmatic funding and financial reporting. Overall responsibilities include the financial administration, management and maintenance of the U.S. Support Program (USSP) to IAEA Safeguards for the International Safeguards Project Office (ISPO) by utilizing all available resources for the reconciliation, analysis and quality assurance checks of programmatic and expenses and improvement of internal financial tracking procedures and processes. Nonproliferation and National Security Department. Send resume to tmorton@bnl.gov referring to Position No. TM3628.

**PHYSICS ASSOCIATE II (P-5)** - Requires a BS degree in physics or equivalent and a minimum of 5 years of relevant experience. The successful candidate will provide technical support for the design, assembly and installation of magnets for the new synchrotron light source accelerator facility, NSLS-II, to be built at BNL. The candidate must have high degree of initiative and judgment, and must be able to plan, coordinate and perform complex assignments with minimum supervision. Demonstrated proficiency in using magnetic field analysis codes such as TOSCA/OPERA and OPTIMA is required. Experience in Visual Basic programming is highly desirable. Experience in the design and assembly of conventional accelerator magnets and in magnetic field measurements is required. Familiarity with the survey and alignment of accelerator components using laser trackers is desirable. Will report to the magnet coordinator within mechanical engineering group of the NSLS-II Project. Send resume to nsls2jobs@bnl.gov referring to Position No. PE4887.

**TECHNICAL ASSOCIATE I/ASSISTANT BUILDING MANAGER (T-5)** - Requires a bachelor's degree or equivalent acquired through considerable training and experience in a technical or professional field and demonstrated responsible technical leadership with a minimum of 8 years relevant experience. Familiarity with all phases of physical plant operations along with proven experience overseeing coordination of tasks within a scientific research environment is required. Will provide support to established work planning programs and site specific building training as required. Familiarity with BNL Safety Policies and ES&H standards a plus, as selected candidate will work closely with NSLS-II ES&H Staff. Prior experience interfacing with Proj-

ect Staff, Bargaining Unit Labor and Plant Engineering Supervisory Personnel, as well as various Contractors and Vendors to achieve compliance with BNL's infrastructure related SBMS and work control program requirements highly desirable. Must possess strong people skills, excellent oral and written communication skills and the ability to work as part of a team in a fast-paced environment. Will report to the Facilities Manager for the National Synchrotron Light Source II (NSLS-II) Project and will serve as the Assistant Building Manager. Send resume to nsls2jobs@bnl.gov referring to Position No. TB4890.

**BIOLOGY ASSOCIATE IV (P-1, term appointment)** - Requires a BS degree in biology or chemistry. Experience in basic laboratory skills, molecular techniques, and plant tissue culturing desired. Work will involve plant maintenance, tissue culturing and application of analytical techniques (GC/MS, HPLC, NMR spectroscopy). For more information on research program: <http://www.biology.bnl.gov/plantbio/schwender.html>. Biology Department. Send resume to morales@bnl.gov referring to Position No. RM4834.

**SECURITY POLICE OFFICER I** - Requires an AAS in criminal justice plus relevant working experience; or several years police or armed security experience; or military background. Must successfully pass an extensive physical examination (including drug/alcohol screening) and a psychological examination. Must run a half a mile in 4.40 minutes and run a 40 yard prone-to-running dash in 8.30 seconds (this standard must be completed successfully on an annual basis). Must be able to successfully qualify with all assigned firearms and pass all training requirements. Must be able to obtain a Q-level security clearance, which requires that you be a United States citizen, have no felony convictions or other serious offenses, and have an honorable discharge from military, if served. Also requires a valid drivers' license and the ability to work shifts. Safeguards & Security Division. Send resume to dianah@bnl.gov referring to Position No. DH3916.

**HEAVY EQUIPMENT MECHANIC OPERATOR** - Under minimum supervision maintains, operates, and repairs all material handling, earth moving, grounds and similar equipment, including complete repair and maintenance of gasoline and diesel engines and the use of required machine tools. Plant Engineering Division. Send resume to tuck@bnl.gov referring to Position No. TB 4879.

### Motor Vehicles & Supplies

**04 CHEVROLET SILVERADO LS EXT CAB** - b/o. 42K mi. Tom, Ext. 7578.

**04 MADZA 3S** - 2-door, 4 cyl, a/t, am/fm/6 cd, power moon roof, 66K mi. \$10,995. Andrew, Ext. 3024.

**99 HONDA CIVIC** - a/c, am/fm, cd, p/l, excel. cond., runs well, orig. owner. 153K mi. \$5,000/neg. Ernie, Ext. 7406.

**99 PONTIAC GRAND AM** - Red, 6-cyl, 4-dr, rebuilt eng., runs well, cd, a/c, c/c, p/s, p/w, p/l, just tuned & inspected. 135K \$1,800. Joe, 286-8356.

**86 LINCOLN LSC** - black, full pwr, new exhaust, leather interior, sunroof, orig. mi. 89K mi. \$1,800/neg. Ext. 2493.

### Furnishings & Appliances

**AREA RUG** - 8x12 - pic available, \$200 or best offer (only 1 year old, like new). Pamela, Ext. 5218 or 758-9875.

**BABY CRIB & MATTRESS** - whitewashed oak, all hardware included. Great condition. \$75. Ext. 4144.

**BED** - Sealy, queen, 2 wks. old, \$650, HE washer, sofa, twin bed, lawnmower, pics: <http://picasaweb.google.com/stefan.caribana/Sale>. Stefan, Ext. 7394.

**BEDFRAME** - metal, queen-size, \$25; wing chair, gd. cond., beige w/gold/green flecks, \$65; bx fan w/3 spd, \$5. Ext. 7647.

**ENTERTAINMENT CENTER** - w/wardrobe, holds clothes or electronics, gd. cond., minor wear, bauer@bnl.gov for pic, ask/\$450. Deborah, 929-0917.

**IKEA SOFA KLIPPAN** - \$100, HE washer, twin bed, lawnmower, pics: <http://picasaweb.google.com/stefan.caribana/Sale>. Stefan, Ext. 7394.

**KITCHEN AID** - 16 pc cutlery set, high carbon stainless steel, proper balance and comfortable grip, new \$80/firm, hasle-free replacement. 513-8504.

**KITCHEN SET** - 5 pc off-white rattan set, 4 cushioned caster chairs, glass table top, orig. \$1,500, ask/\$300. 766-1492.

**LAWN MOWER** - Murray, \$70; HE washer, sofa, twin bed, pics: <http://picasaweb.google.com/stefan.caribana/Sale>. Stefan, Ext. 7394.

**MAPLE HUTCH AND BASE** - Solid wood, great condition. Older style. Pics available upon request \$250. Ext. 4144.

**TOY CHEST** - wood, painted yellow with gold decals, excel. cond., sturdy, \$30. Diane, Ext. 2347.

**TWIN BED** - girl's, new white bed w/ headbrd. & drawer below, ask/\$250. 766-1492.

**TWIN BED & LATEX MATTRESS** - European size \$100, HE washer, sofa, twin bed, pics: <http://picasaweb.google.com/stefan>. Stefan, Ext. 7394.

**WAFFLE BAKER** - Toastmaster,\$10; 15" baking stone,\$10; bedspreads, full, \$10 ea.; queen, \$15; sewing access table, \$25. Ext. 7647.

**WASHER** - HE, energy star Frigidaire \$300, sofa, twin bed, lawnmower, pics: <http://picasaweb.google.com/stefan.caribana/Sale>. Stefan, Ext. 7394.

### Audio, Video & Computers

**COLOR PRINTER** - portable, Canon BJC-85 w/ software/cable, excel. cond., \$200. Ext. 3217.

### Sports, Hobbies & Pets

**BALLY GYM** - lifetime membership to any/all Bally Fitness Centers. Ext. 5665.

**GORETEX JACKET (L)** - camo pattern, rarely worn, good shape, \$50. Ext. 7406.

**TRAMPOLINE** - 13 ft diam. w/safety sides - you disassemble & pick up - \$50. 902-2114.

### Tools, House & Garden

**ARM SAW** - Sears, Radial w/table, v/lg, u pick up, ask/\$150. Barbara, Ext. 3431.

### Miscellaneous

**PEACOCK** - Womans new Kenneth Cole charcoal colored wool, size 6, \$140. Donna, Ext. 3541 or 813-9760.

**COAT** - 1 red w/black trim, sz 8-10; 1 beige sz 8 ask/\$25/ea. Ext. 3431.

**SMOOTHIE MACHINE** - In box, never used. white \$20. Ext. 4144.

### Happenings

**ISLANDERS VS. BRUINS** - Sat. 11/24 \$56pp w/coach bus. BNL/Br'haven Town, SUNY night, call BERA Store Ext. 3347.

**PROGRESSIVE ROCK RETURNS** - H On The Harbor, Pt Washington, Fri., Jan. 11. BNL fans: come to 'an intimate evening w/AFTERLIFE,' live performance. See [www.Afterlifeband.com](http://www.Afterlifeband.com).

### Free

**INFANT CAR SEAT** - Evenflo, for baby under one. Yugang, Ext. 3485.

### Wanted

**BIKE** - for 11 yr. old, my son's bike taken over the wkend, looking for free replacement. Tom, Ext. 7578.

**LOG SPLITTER** - looking to borrow/rent log splitter for a wkend, this would help save my back. Stephen, Ext. 2575.

**PARALLEL PORT PCI CARD** - or parallel port to usb adapter/cable. Steven, Ext. 3259.

**X-BOX 360** - needed wireless controller and/or games. 387-5699.

### Lost & Found

**FOUND** - GM Key w/keyless entry, on Br/haven Ave nr. ballfields. Lisa, Ext. 4690.

### For Rent

**EAST PATCHOGUE** - East Patchogue Ranch, Elegant, 3 BD, 2 Bath, L/R, F/P, new oak floors, new carpet, c/a/c, basement, garage, many extras. No pets. \$2,000/mo. 631-475-2068.

**RIDGE** - 1 spacious bdrm. apt. w/walk-n-closet, l/r, kitnet, full bath, priv. ent., no smkg/pets, ref. \$1,100/mo. Ext. 2575.

**WADING RIVER** - 4 bdrm, 2 bath house, OHW heat, w/w, w/d, full bsmt, priv. beach, 10 min to Lab, SWRSD. \$2,000/mo. John, Ext. 4028 or 821-5334.

### For Sale

**BELLPORT** - 4-BR. ranch, 2 bth, l/r w/dble opening fp to den, d/r, eik, oak flrs, screened deck, laundry rm, fin. bsmt: w/4th BR, bar, full bth, 2 rms; gar., 2 sheds, sprinklers, gt. cond. 15 min. to Lab. \$415,000; 949-7797.

**BLUE POINT** - Colonial, 5 bdrm. or potential Mother/Daughter, 2 bath, l/r, d/r, kit., bsmt/crawl space, porch, 1.5 car gar., fen'd yd., low taxes. \$379,000/neg. John, Ext. 5025.

**FARMINGVILLE** - custom ranch, 3 br, 2 bath, 2.5 gar. CAC, alarm, igr, igs. \$474,900/neg. Carol, 516-906-3348.

**RIDGE** - Just over 1 acre, opposite land protected by the county, bldg. permits already in place, 5 min. to Lab. \$255,000/neg. 286-2594.

**RIVERHEAD** - 4 br, 2 ba, split level ranch, .25 acre, f/p, full bsmt, detached gar., needs renovation, Fairway Avenue. \$299,000/neg. Sandy, Ext. 2922.

**WEST PALM BEACH, FL** - 1 bdrm, 1 bath completely renovated, cabinets, appliances, a/c, etc. \$44,000 516-375-7330.

### 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. Or call Ext. 4888 or see [www.enterprise.com](http://www.enterprise.com).

**ON-SITE SERVICE STATION** - gas, all vehicle services: NYS inspections, new batteries, tires, timing belts, etc., we also service starter motors for boat engines. Done while you are at work. Ext. 4034.

**NAYARSONS CATERING** - Cafeteria: b/fast: wkdays, \$2.99 up; lunch: \$4.95 up; grill, \$6.50 up incl. fries, soda; Fridays, Catch of Day, from \$5.99; see link on BNL homepage or Ext. 4636 or 3541; B/haven Center - full menu dinners 5-8 p.m.; specials 5-6:30 p.m. 3-course, wine/soda, coffee, \$10.95 or \$9.95 (no take out); all plus tax.

### Ads on the Web

From inside the BNL firewall, you can see the complete list of ads at <http://intranet.bnl.gov/ads/displayAdsAll.asp>. To submit an ad, go to <http://intranet.bnl.gov/ads/>.