

## BNL Holds Cyber & Physical Security Stand Down

On Thursday, October 5, BNL held a Lab-wide stand down of information technology (IT) systems, to bring attention to security procedures and the importance of cyber and physical security in the Lab's ability to carry out DOE's mission. All Internet access, including delivery and receipt of external e-mail, was suspended from 8:30 a.m. to 5 p.m. Exceptions were made for the National Weather Service's Upton Weather Station and the wireless net in Berkner Hall, which was needed to support a Homeland Security Conference.

During the day, Lab managers led mandatory all-hands meetings, presenting information and training materials on cyber security, physical

security, and personally identifiable information. Employees then ensured that their computers complied with cyber security policies, and managers later also checked compliance.

The Lab established an Information Resource Center (IRC) at the Emergency Operations Center in Bldg. 939 to coordinate stand-down activities. Managed by Mike Bebon, BNL Deputy Director for Operations, the IRC was staffed with representatives from the Information Technology Division, led by manager Tom Schlagel, and the Safeguards & Security Division, managed by John Amabile. BNL's Emergency Manager John Searing also assisted in IRC operation.



Roger Stoutenburgh D442.006

At the Information Resource Center established to coordinate stand-down activities are: (from left) Andrew Ferguson, Information Technology Division (ITD); Mike Bebon, Lab Deputy Director for Operations; Pam Yerry, Facility & Operations Directorate (FOD); John Searing, FOD; Len Butera, Safeguards & Security Division; Lisa Soto, ITD; Rich Casella, ITD; Mike Stangel, ITD; and Tom Schlagel, ITD Director.



Joseph Rubino D029.006

As part of the Lab-wide Cyber and Physical Security stand down held on Thursday, October 5, Chemistry Department Chair Alex Harris addresses members of the Basic Energy Sciences Directorate at a 9 a.m. meeting in the Hamilton Seminar Room. Other groups around the Lab held similar meetings during the day.



Roger Stoutenburgh D443.006

Typical of the many smaller meetings held around the Lab during the Cyber and Physical Security stand down on October 5 is this get-together of Plant Engineering (PE) Division's Maintenance Management Group members, who are listening to a talk on cyber and physical security given by PE's Cyber Security Contact, Peter Eterno.

## 418th Brookhaven Lecture, 10/18

### Timur Shaftan on 'Bright Photon Beams: Developing New Light Sources'



Roger Stoutenburgh D4511.006

Refreshments will be offered before and after the lecture. Those who wish to join the lecturer for dinner at a restaurant off site after the talk may call Kathy Loverro, Ext. 7188.

## Message From the Director



The cyber stand down we went through last week was an important and very successful exercise. Many computers were looked at and brought into compliance

with DOE and BNL policy on passwords, password-locked screen savers, logon banners and automatic patching. Just as important was the survey of personally identifiable information and physical security associated with computers. Perhaps the most important outcome was the heightened level of consciousness about these issues that was evident in Laboratory staff as a result of the meetings, training, and individual work on inventory, walk-downs, and compliance.

The stand down was carefully planned by a newly constituted Cyber Response Team. The team was put together by Mike Bebon, who serves as its chair; other members include John Amabile, Mike Dooling, Kathy Geiger, Gary Gross, Joe Indusi, Keith Lally, Ed Murphy, Tom Schlagel, Jim Tarpinian, and Pam Yerry. Frank Crescenzo [Deputy Manager, DOE Brookhaven Site Office] served as liaison to the DOE Site Office. I want to express my sincere appreciation to the team for the work it has done and continues doing.

The data accumulated during the stand down is very extensive and is still being analyzed. The data will help greatly in our overall corrective action plan and subsequent verification that will be required to get an "Authority to Operate" certification for our systems from the Brookhaven Site Office.

We are fortunate to have people here on loan from Pacific Northwest National Lab [PNNL] to assist us. John Burnette and J.D. Fluckiger, from PNNL's cyber security program, will be helping to complete written policies, implement and verify corrective actions, and advise us based on their experiences at PNNL. Several more people from PNNL, and perhaps other national labs, will be joining John and J.D. to help Keith Lally and our cyber security team complete the migration of all Windows systems into the BNL domain and undertake other corrective actions.

Allow me to thank all of you again for taking this exercise seriously and for the work you did to support it.

— Sam Aronson

## NSLS-II Advisory Committees Formed, Begin Work

Associate Laboratory Director for Light Sources Steve Dierker has announced the formation of four committees to oversee various facets of the design, construction, and operation of National Synchrotron Light Source II (NSLS-II). The committees will serve three-year terms during which they will meet twice a year, coordinated with DOE reviews.

Three committees will provide managerial and technical assistance to the project team on Accelerator Systems, Experimental Facilities, and Conventional Facilities. A Project Advisory Committee reporting to Laboratory Director Sam Aronson will provide regular oversight of the project.

"The committees bring a wealth of expertise to assist us as we ramp up our activities," Dierker said. "The advice and counsel of the experts on these committees will allow us to proceed with confidence as we prepare to build this exciting new machine."

The committee chairs have been named, and the first meetings will take place this month at Brookhaven.

*"The committees bring a wealth of expertise to assist us"*

— Steve Dierker  
Associate Laboratory Director  
for Light Sources



### NSLS-II Project Advisory Committee

The NSLS-II Project Advisory Committee (PAC), is composed of members of the scientific communities that will be impacted by NSLS-II, as well as those with experience in the planning, construction, management, use, and operations of major facilities for materials and life sciences research. The PAC will review the progress of the NSLS-II and advise Dierker and Aronson on matters related to scientific mission, strategic planning, user access, construction planning, project management, technical performance, and safety. The group will give advice on what will best meet the future needs of the scientific community and ensure successful interactions with the user community.

The committee chair is Thom Mason of Oak Ridge National Laboratory. Mason serves as Associate Laboratory Director for the Spallation Neutron Source (SNS). A former associate professor at the University of Toronto, he is an Associate of the Canadian Institute for Advanced Research.

The committee's chair and members were chosen for their experience with large scientific facilities and/or with future growth areas for photon science.

### Accelerator Systems Advisory Committee

The Accelerator Systems Advisory Committee (ASAC) is composed of external experts trained in accelerator physics and engineering, who are familiar with the design, construction, and operations of major accelerator systems. This group will provide guidance to the NSLS-II accelerator team on technical choices, trade-offs, and

(continued on page 2)

at the current NSLS. These powerful beams and the advanced instrumentation at NSLS-II will be able to probe samples of materials in a wide range of sizes and conditions, giving information that could lead to advances, for example, in clean and affordable energy, molecular electronics, and the self-assembly of nanomaterials into useful devices.

Developing the machine and its instrumentation is not easy, however. Achieving and maintaining the needed level of intensity will involve tightly focusing the electron beam, providing the optimally matched

insertion devices, and achieving and maintaining a high electron current. At BNL research and development are ongoing on these and other challenges. To learn about this work, join Timur Shaftan, a scientist in the NSLS Department, who will give the 418th Brookhaven Lecture, on "Bright Photon Beams: Developing New Light Sources." The talk will be given in Berkner Hall at 4 p.m. on Wednesday, October 18, and the speaker will be introduced by James Murphy, Head of the NSLS Accelerator Division. All are welcome to attend this free public lecture.

(continued on page 2)

## CALENDAR OF LABORATORY EVENTS

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

### — EACH WEEK —

#### Weekdays: Free English for Speakers Of Other Languages Classes

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

#### Mondays: BNL Social & Cultural Club

Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov).

#### Mondays: Pilates/Yoga

12:15 p.m., Rec. Hall. Ext. 5090.

#### Mondays & Thursdays: Kickboxing

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

#### Mon., Tue. & Thu: Ving Tsun Kung Fu

Noon-1 p.m., Brookhaven Center, North Room. Taught by Master William Moy. Tuition. Scott Bradley, Ext. 5745 or [bradley@bnl.gov](mailto:bradley@bnl.gov).

#### Mon., Thurs., & Fri.: Tai Chi

Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

#### Tues. & Thurs: Jazzercise

Noon, Rec. Hall. Ext. 5090.

#### Tuesday & Thursday: Aerobic Fitness

5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, [flood@bnl.gov](mailto:flood@bnl.gov).

#### Tuesday & Thursday: Aqua Aerobics

5:15 p.m., Pool. Ext. 5090.

#### Tuesdays: Welcome Coffee

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

#### Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

#### Tuesdays: Jiu Jitsu Club

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

#### Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, Room 160. Guests, visitors always welcome. [www.bnl.gov/bera/activities/toastmstrs/](http://www.bnl.gov/bera/activities/toastmstrs/).

#### Tue., Wed. & Thu: Rec Hall Activities

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

#### Wed. & Fri: On-Site Play Group

10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

#### Wednesdays: Ballroom Dance Class

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

#### Wednesdays: Weight Watchers

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

#### Wednesdays: Yoga

Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov).

#### Wednesdays: Pilates/Yoga

5:15 p.m., Rec Hall. Ext. 5090.

#### Thursdays: Reiki Healing Class

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

#### Fridays: Family Swim Night

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

#### Fridays: BNL Social & Cultural Club

Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov).

### CIGNA at BNL, Mondays

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

## SBU Student Minhua Shao Receives Dr. Mow Shiah Lin Scholarship



Roger Stoutenburg 03880906

With the 2006 Dr. Mow Shiah Lin Scholarship winner Minhua Shao (center, front) are: (from left, front) Beth Lin, Biology Department, widow of Mow Shiah Lin; Susan Eng Wong, Information Technology Division, Lin Scholarship Chair; (from left, second row) Thomas Butcher, Energy Sciences & Technology Department (ES&T), Lin Scholarship Committee Selection Chair; Radoslav Adzic, Chemistry Department, Shao's thesis advisor; and (from left, back row) members of the Lin Scholarship Committee Marie Van Buren, Business Systems Division; Balwan Hooda, Environmental & Waste Management Services Division; Vatsal Bhatt, ES&T, and Nand Narain, U.S. Department of Energy Brookhaven Site Office.

Minhua Shao, a graduate student pursuing a Ph.D. in electrochemistry at Stony Brook University, has won the second annual Dr. Mow Shiah Lin Scholarship. The Asian Pacific American Association at BNL initiated the scholarship, which consists of \$1,000 and a plaque, to honor the late distinguished Brookhaven Lab scientist for which it is named.

Mow Shiah Lin began his career at Brookhaven Lab in 1975 as a postdoctoral fellow and advanced to co-lead a research team working with an environmental remediation company to use selected bacteria to convert toxic oil wastes, such as used motor oils, into useful products. In 2001, Lin shared the R&D 100 Award, given by *R&D Magazine* to the top 100 technological achievements of the year, for a technology to recover silica from geothermal brine. Lin died suddenly due to a brain aneurysm at the height of his career in 2003, and his coworkers, friends, and family contributed funds to establish the scholarship.

In honor of Lin's research, achievements and inventions, the scholarship is granted annually to an Asian immigrant with a student visa who is matriculating toward a graduate degree at an accredited institution of higher education in environmental

science, biology, or chemistry, in remembrance of the manner in which Lin began his career.

"I am particularly honored to be a recipient of this prestigious scholarship named after a person I greatly admired and considered my friend," Shao said. "My career goal is to become a research scientist like Dr. Lin in an institute like Brookhaven Lab. I hope my research will help in protecting our environment and improving the lives of people worldwide."

Minhua Shao earned a B.S. in chemistry in 1999 and a M.S. in electrochemistry in 2002, both from Xiamen University in China. Currently a student at Stony Brook University, Shao is working on his thesis research with senior chemist Radoslav Adzic at Brookhaven Lab.

Shao's research focuses on designing and developing platinum-free or low-platinum electrocatalysts that will significantly lower the cost of fuel cells. When these low-cost fuel cells become commercially viable, they are expected to help solve the global problem of dwindling energy supplies and help eliminate environmental hazards related to burning fossil fuels, such as air pollution, acid rain, and global warming.

— Diane Greenberg

### NSLS-II Advisory Committees Formed, Begin Work

(cont'd)



*"The advice and counsel of the experts on these committees will allow us to proceed with confidence"*

— Steve Dierker

Associate Laboratory Director for Light Sources

decisions; value engineering; and measures to improve availability and reliability of operations.

Pascal Elleaume will serve as ASAC Chair. Elleaume is Director of the Machine Division at the European Synchrotron Radiation Facility in Grenoble, France.

#### Experimental Facilities Advisory Committee

The Experimental Facilities Advisory Committee (EFAC) is composed of external experts trained in synchrotron radiation science and instrumentation, most with extensive experience in designing,

constructing, and operating synchrotron beamlines and/or instrumentation and the supporting infrastructure for users. This group will advise NSLS-II management and provide guidance to the experimental facilities team on the development of the beamlines and instruments for NSLS-II. They will also provide advice and guidance on the choice of instruments to build, assist in forming the Beamline Advisory Teams (BATs) and Beamline Development Teams (BDTs) to build these instruments, and generally provide direction to the formation of the experimental facilities at NSLS-II.

Simon Mochrie of Yale University has agreed to serve as EFAC Chair. Mochrie is Professor of Physics, Molecular Biophysics and Biochemistry.

#### Conventional Facilities Advisory Committee

The Conventional Facilities Advisory Committee (CFAC) is

composed of external experts trained in conventional construction, most with extensive experience in designing and constructing conventional facilities and the supporting infrastructure associated with major scientific user facilities. This group will advise NSLS-II management and provide guidance to the NSLS-II conventional facilities team on the development of the improvements to land, conventional construction, and utilities systems required to deliver the maximum benefit to the users.

Jerry Hands, a retired project manager from Sandia National Laboratory, will serve as Chair of the CFAC. Most recently, Hands served as Construction Operations Manager for the Center for Integrated Nanotechnology at Sandia. He also managed all the conventional design and construction for the National Ignition Facility at Lawrence Livermore National Laboratory.

### BNL Lecture (cont'd)



Visitors to the Lab of 16 and over must carry photo ID.

In his talk, Shaftan will discuss various sub-systems of NSLS-II and the requirements and key elements of their design. He will explain how scientists at the NSLS developed a prototype of a light source of a different kind — a short-wavelength free electron laser — and also review the development of new concepts in the physics of bright electron beams in this facility.

Timur Shaftan, who earned his Ph.D. in physics at the Budker Institute of Nuclear Physics, Russia, in 1997, joined BNL in February 2000. Since 2003, he has been involved in many areas of the NSLS-II project, including lattice design, insertion devices, and the design of the injection system. He currently leads the group working on Conceptual Design of the NSLS-II injection system. Involved in collaborations with a few accelerator facilities worldwide, he also serves as a reviewer in *Nuclear Instruments and Methods in Physics Research* journal.

### DOE Seeks Comment on Soil, Groundwater Cleanup

The U.S. Department of Energy (DOE) is seeking public comment on a proposed cleanup plan for soil and groundwater contamination near the center of the Lab site. The public comment period is open from October 12 through November 13, 2006. The cleanup plan, known as the Proposed Remedial Action Plan for the g-2 Tritium Source Area and Groundwater Plume, Brookhaven Linac Isotope Producer Soils, and Former Underground Storage Tanks, along with its accompanying Feasibility Study, is available at [www.bnl.gov/erd](http://www.bnl.gov/erd) and at the Mastics-Moriches-Shirley, Brookhaven Lab, and U.S. Environmental Protection Agency libraries.

Information sessions on the proposed plan will be held on Wednesday, October 18, 2006, from noon to 2 p.m., and also from 5 to 7 p.m., in Berkner Hall. A public meeting will be held on Wednesday, October 25, 2006, from 7 to 9 p.m. in the Medical Department conference room. All members of the public and the BNL community are invited to attend and comment.

The proposed plan, which reflects community and regulatory agency input, evaluates five remedial alternatives and documents a "preferred alternative" for the g-2 source area and tritium plume, and proposes final actions for the Brookhaven Linac Isotope Producer-soils and the underground storage tanks.

### BNL Advocacy Council Member Needed

One representative of the Lab's diverse workforce is needed to become a member of the Brookhaven Advocacy Council (BAC).

#### A good listener who can maintain confidentiality

If you are a good listener who can maintain confidentiality, remain impartial, base your judgment on fact rather than emotion, are interested in establishing an atmosphere of trust between BNL management and its employees, and are willing to devote time and energy to ensure that everyone enjoys equally the quality of life that BNL offers, consider becoming a BAC member.

#### BAC: key component of BNL's system of justice

BAC is a key component of BNL's system of justice. The members advise and make recommendations to the Lab Director on resolving employee/guest/user concerns or issues that are brought to BAC's attention. BAC is charged with the authority to receive and respond to employee/guest/user concerns or issues; analyze and research data; and propose resolutions. Members have access to all pertinent, uncensored information, within BNL's guidelines regarding confidentiality, to assist them in resolving these concerns or issues. Membership responsibility consists of regular participation in the monthly Council meetings for three years. BAC functions independently of the Human Resources & Occupational Medicine Division, reporting directly to the Lab Director.

#### If you are interested in being a candidate

If you are interested in being a candidate, contact Susan Foster, Employee Relations Manager, foster@bnl.gov or Ext. 2888, by October 20. Foster will need: your name, extension, e-mail address, department/division, and position. The committee will recommend candidates to the Lab Director, who makes the final decision and appoints the members.

### One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Thursday, October 19th, Tuesday, October 24th, Wednesday, October 25th, Monday, October 30th and Tuesday, October 31st to answer employees' questions about financial matters. The consultant will help BNLers understand the importance of protecting assets against inflation; find the right allocation mix; learn about TIAA-CREF retirement income flexibility; and compare lifetime income vs. cash withdrawal options.

For an appointment, call Arlene Lyons, (866) 842-2053, Ext. 4629.

### October 2006 Is Healthfest Month — BNL Celebrates Health, Fitness, Safety

BNL's annual health, fitness and safety celebration is well under way. The Co-chairs of Healthfest 2006, Michael Thorn and Denise DiMeglio of the Human Resources & Occupational Medicine Division, encourage all BNLers to take part in the various events, including the safety fair, which will be held on Tuesday, October 17.

#### New Grand Prize Raffle

For each Healthfest event you enter, you get one chance for the grand prize raffle. A George Foreman grill and rotisserie combo may be yours! The winner will be chosen at the end of Healthfest.

#### 'Wheel of Fortune' Game

Test your knowledge of safety and maybe win a prize.

The Healthfest Month Timetable is summarized below. To register for an event, complete the form at the top of the flyer sent to all employees and return it to Michael Thorn, Bldg. 490.

#### Friday, October 13

Noon - 1 p.m. Mountain Bike Ride — 8-mile ride, with a 5-mile alternate route, along BNL's fire-breaks, starting at the gazebo next to the ball field. Bring your own mountain bike; bike helmets are required to be worn. Participants will receive a 2006 Healthfest T-shirt (supplies are limited). Registration required.

#### Tuesday, October 17

11 a.m. - 2 p.m. Health, Fitness & Safety Fair — in Berkner Hall, Bldg. 488. Displays, information, drinking-water taste-testing, home-water sample-testing, free raffles — and much more. Registration required for the home-water sample-testing.

Safety Day — at Berkner Hall, Bldg. 488. See safety demonstrations and displays, including: a mock smoke situation, CPR, blood pressure checks, fatal vision goggles, personal protective equipment, industrial hygiene — and more. You can also spin the wheel and attempt to answer questions correctly to receive prizes at the "Wheel of Fortune" game.

#### Thursday, October 19

Noon - 1 p.m. Noon Health Lecture — "The Essentials of Sleep: Everything You Need to Know about Sleep," by

Marta Maczaj, M.D., Medical Director for Psychiatry, Stony Brook University Hospital Sleep Disorders Center; in Berkner Auditorium, Bldg. 488. To register, contact Linda DiPierro, dipierro@bnl.gov.

12:05 - 1 p.m. Fitness Run — 5-kilometer (3.1 mile) run around the site, starting at Biology, Bldg. 463. The run counts as the first half of the Healthfest Biathlon; the biathlon swim is scheduled for Wednesday, October 25 (see below). Participants will receive a 2006 Healthfest T-shirt (supplies are limited). Registration required.

#### Tuesday, October 24

11 a.m. - 1 p.m. Fitness Open House — at the gym and pool, Bldg. 478.

11:30 a.m. - 1:30 p.m. 400-yard Swim — at the pool, Bldg. 478. Participants must be 18 or older to participate. Those participating will receive a 2006 Healthfest T-shirt (supplies are limited). Registration not required.

#### Wednesday, October 25

11:30 a.m. - 12:30 p.m. 800-yard Biathlon Swim — at the pool, Bldg. 478. Participants must be 18 or older. To determine biathlon results, the 800-yard swim results will be combined with results of the Fitness Run, so you must also sign up for the run. Registration required.

### Celebrate Diwali, Festival of Lights, 11/4

The BERA Indo-American Association (BERA IAA) invites all to celebrate Diwali, the Festival of Lights, on Saturday, November 4, at Berkner Hall. Starting at 2:30 p.m., the cultural program of songs, dances, and instrumental music, performed by both professional and amateur artists, celebrates the rich culture of the Indian subcontinent. Authentic, traditional Indian snacks and dinner will also be served. This warm, family celebration draws more participation each year.

The deadline for reservations, including all modifications and cancellations, is Thursday, November 2. Reservations for this popular function should be made early. Last year, about 400 attendees nearly filled the auditorium, which has a capacity of about 440 persons: no more may attend. This year all reservations may be made only at [www3.bnl.gov/bera-iaa/php/diwali/reserve\\_form.php](http://www3.bnl.gov/bera-iaa/php/diwali/reserve_form.php)

If you do not have access to the Internet, please contact someone who does. You will be sent a receipt of your request.

If reservations are made by Monday, October 30, ticket prices will be: \$13 for adults (over 12 years), \$8 for children (5 to 12), \$4 for toddlers (2 to 5) and free for infants (up to 2). All ticket prices will increase by \$1 after October 30. Note that even though there is no charge for an infant, his or her name must be included to satisfy safety regulations on seating limitations. BERA-IAA may bill the full ticket price to those who fail to cancel their reservations in time, by November 2, and do not show at the door.

### Wanted: Displays, Performers For BERA IAA's Diwali Festival, 11/4



This photo shows some of the younger performers who danced in the 1999 Diwali Festival arranged by the BERA Indo-American Association.

The BERA Indo-American Association welcomes offers from Lab employees and their family members or students who would like to perform music, songs, or dances that illustrate aspects of Indian culture at the upcoming Diwali Festival on Saturday, November 4. Displays related to the science, arts, etc. of the Indian subcontinent are also wanted. Group performances are encouraged as time is restricted. Individual professional artists are also very welcome, but note that this event runs entirely by voluntary contributions.

#### Deadline to Propose Your Display, Performance, 10/16

If you are interested, make the request by Monday, October 16, using the following link:

[http://www3.bnl.gov/bera-iaa/php/diwali/event\\_form.php](http://www3.bnl.gov/bera-iaa/php/diwali/event_form.php)

To propose a display, use the area for a description of event and comment area to explain your idea.

You will receive a confirmation of your request. In addition, you will be notified by e-mail if your request to perform or provide a display has been accepted.

### Arrivals & Departures

#### — Arrivals —

Mickey Chiu ..... Physics  
Adam Lichtl..... Physics  
Cyrille Marquet ..... Physics

#### — Departures —

Saumen Datta..... Physics  
\*Paul Moskowitz.....NNS

\*Paul Moskowitz left the Lab on July 21, 2006. The Bulletin regrets that his name was inadvertently omitted from the Arrivals & Departures section of that week's Bulletin.

### Walkers Wanted to Fund Cancer Research, 10/22

The annual Walk for Beauty, Walk for Life will be held on Sunday, October 22. The four or six kilometer walk through scenic, historic areas of Stony Brook village raises funds for breast and prostate cancer research at Stony Brook University. BNL has been a sponsor and active participant in the walk for many years and would once again like to gather a team. A brochure with the registration form, walker sponsor sheet, and driving directions is available at [www.bnl.gov/diversity/womansPrograms](http://www.bnl.gov/diversity/womansPrograms). All participants are responsible for their registration and fee of \$20 or sponsorship.

If you have any questions or would like to help, contact Stasia Ann Scocca, Ext. 3979 or [scocca@bnl.gov](mailto:scocca@bnl.gov), or Joyce Fortunato, Ext. 4229 or [mortimer@bnl.gov](mailto:mortimer@bnl.gov).

## CALENDAR

### — THIS WEEKEND —

#### Friday, 10/13

##### \*Book Fair

11 a.m.-3 p.m. Berkner Hall lobby. Assorted new books and gifts, discounted prices.

##### \*Healthfest Mountain Bike Ride

Noon-1 p.m. Gazebo near ballfield. 8-mile ride, with 5-mile alternate. Register in advance. See notice below, left.

#### Saturday, 10/14

##### \*Milagro Band Honors Santana

7:30 p.m. Berkner Hall. Seven-piece band Milagro plays tribute to Carlos Santana. Advance tickets at the BERA Store are \$10; tickets at the door are \$12. All are welcome. See page 4.

### — WEEK OF 10/16 —

#### Tuesday, 10/17

##### Health, Fitness & Safety Fair

11 a.m.-2 p.m. Berkner Hall. Displays, drinking water taste-testing, more. See below, left.

#### Wednesday, 10/18

##### \*418th Brookhaven Lecture

4 p.m. Berkner Hall. Timur Shaftan, National Synchrotron Light Source Department, will talk on "Bright Electron and Photon Beams: Developing New Light Sources." See story, page 1.

### — WEEK OF 10/30 —

#### Thurs.-Friday, 11/2-3

##### Three 'History of Physics' Lectures

Sponsored by BSA as part of the Pegram Lecture Series, Peter Galison, Harvard University, will talk on "History of Physics," in Berkner Hall. Thursday, 11/2: 4 p.m., "Einstein's Clocks, Poincaré's Maps." Friday, 11/3: 11 a.m. "The Pyramid and the Ring," on restructuring of modern physics; 4 p.m., "Picturing Objectivity," history of scientific objectivity from the 19th century to the present. All are welcome to these free talks. Visitors 16 and over must have photo ID.

#### Saturday, 11/4

##### Diwali, Festival of Lights

2:30 p.m. See notices at left.

### — WEEK OF 11/6 —

#### Tuesday, 11/7

##### Sprint Wireless Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from Sprint/Nextel will present BNLers with discounts on Sprint's products and monthly service plans. Jamie Addeo, (914) 407-7132, [jamie.addeo@sprint.com](mailto:jamie.addeo@sprint.com).

#### Thursday, 11/9

##### CAC Meeting

6:30 p.m., Berkner Hall, Room B. The Community Advisory Council consists of business, civic, education, employee, environment and health organizations. Members meet monthly, set their own agenda, and work to reach consensus recommendations on issues of concern to them. BNLers and members of the public are welcome to attend. Each meeting has a comment period so that community members may voice their opinions. Sherry Johnson, Ext. 5658.

### — WEEK OF 11/13 —

#### Wednesday, 11/15

##### BSA Noon Recital

Noon. Berkner Hall. Stony Brook Baroque Players, vocal and instrumental music. All are welcome to this free concert, sponsored by BSA. Visitors 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.

## Classified Advertisements

### Placement Notices

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

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

**MK4002. POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in chemistry, physics, biology, material science or related field. Experience is required in one of the following fields: self-assembling in biological and synthetic nano-systems; DNA mediated interactions; peptide-DNA complexes; DNA micromechanics; soft-matter interfaces; nano-fluidics; single-molecular analysis/manipulation; colloids. Technical hands-on experience in one of the following areas is highly desirable: scanning probe techniques; x-ray/light scattering; electron microscopy; optical methods for single molecular studies; biochemical methods. The interdisciplinary research program, with the Center for Functional Nanomaterials (CFN), is focused on the understanding the fundamentals and development methods for assembling complex bio-inorganic nano-systems using bio-inspired principles. CFN offers interdisciplinary scientific environment, access to the state-of-the-art nanofabrication and characterization facilities at BNL and close collaborations with the Biology, Physics, Materials Science, National Synchrotron Light Source Departments. Under the direction of O. Gang, Center for Functional Nanomaterials.

**MK3594. POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in theoretical elementary particle physics. The High Energy Theory Group has this position available beginning October 1, 2007. The Group has active programs in electroweak physics, collider physics, neutrino-physics, B-physics, perturbative QCD, spin physics, lattice QCD, and physics beyond the Standard Model. To apply, please send, before January 1, 2007, a CV with a list of publications, and three letters of recommendation, to Amber Aponte, High Energy Theory Group, Physics Department, Building 510A, Brookhaven National Laboratory, Upton, NY 11973-5000. Physics Department.

**MK3846. POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in biochemistry or structural biology. Experience in analytical instrumentation applications (FPLC, HPLC, LC-MS and/or GC-MS) is preferred. Will employ X-ray crystallographic, protein engineering, and biochemical approaches to study the structure and function of the enzymes involved in biomass production, bio-fuel conversion, and/or secondary metabolism. Under the direction of C.-J. Liu, Biology Department.

**TB4028. TECHNICAL SPECIALIST (T-2, reposting)** – Requires an AAS degree in electronic technology plus at least four years of relevant work experience. Must have a working knowledge of digital logic circuits, soldering skills and familiarity with electronic test equipment. Good communication skills, experience with

programmable logic controllers, experience with AutoCAD LT, or other software is desirable. Should be capable of analyzing and solving complex system problems. Under minimum supervision, will fabricate and install cables, test and repair circuit boards to the component level, build prototype circuits from schematic drawings and assemble chassis using basic mechanical fabrication techniques. Must be available to work overtime during nonscheduled hours to respond to C-AD operations as required. Collider – Accelerator Department.

**TB2677. ASSOCIATE STAFF ENGINEER (P-3, Reposting)** – Requires a BS in electrical engineering, MSEE preferred. Should have excellent communications skills and must be able to work with a team with diverse skills and talents to complete assignments. Should be familiar with CAD tools used for schematic capture and simulation. PLC programming skills are a plus. Responsibilities include digital hardware and firmware design utilizing programmable gate arrays, micro-controllers, and associated peripheral devices. Ancillary duties include board level troubleshooting and repair and system level installation and maintenance. Position is with the Accelerator Controls Group. Collider-Accelerator Department.

### Motor Vehicles & Supplies

**04 CHEVY S10 PICKUP** - crew cab., black, 4wd, all pwr., tow pkg., 6 CD changer, hwy. miles. 60K mi. \$13,000/neg. 821-1271.

**03 HYUNDAI SANTA FE** - Excel cond. GLS 4WD 2.7L 6cyl. m/roof. Monsoon c/d. warr. 1 ownr. hwy. 71K mi. \$10,900/neg. Ext. 4202.

**01 HONDA CIVIC EX** - mint, silver, gray int., loaded, new tires, 1.7 Vtech motor, a/t, prof. maint. 63K mi. \$9,200/neg. 689-8134.

**00 HYUNDAI ELANTRA GLS WAGON** - 4-cyl, 4dr, a/t, a/c, am/fm, c/c, p/l, p/s, p/w, frt. airbags, r/rack. 127K mi. \$3,500. Ext. 3319.

**99 JEEP CHEROKEE** - 6cyl., 4dr., a/t, a/c, 4wd, p/b, p/l, p/s, p/w, c/c am/fm, 150K mi. \$3,000/neg. Ext. 3811 or 678-2055.

**99 HYUNDAI ELANTRA** - sedan, 4cyl., 2L, 4dr., a/t, a/c, p/s, p/w, p/l, am/fm, cass., air bags, 58K mi. \$3,990. Stefan, Ext. 7394.

**99 VW PASSAT** - 1.8 turbo, a/t, a/c, c/c, air bags, s/roof, cd, alloy whls, new tires. 60K mi. \$8,850. Ext. 2576, 563-9623 after 7 p.m.

**98 FORD E-450** - 15 FT. box truck, V10, new tires, ball joints, brakes, & batt. Orig. owner. 85K mi. \$8,500. 516-987-6375.

**98 FORD TAURUS** - 4-dr., 6cyl., a/c, cass., p/w, c/c, abs., 1.73K mi. \$800/neg. Michael, Ext. 1388.

**95 HONDA CBR 600 F2** - runs well, low miles. Will need new chain and tires. Yoshimura Exhaust. \$1,700. 708-5784.

**95 TOYOTA CAMRY LE** - 4dr, a/c, p/s, p/w, p/l, c/c, am/fm/cass., dual air bags, gd cond. 146K mi. \$2,950/neg. Meng, Ext. 7899.

**67 VW BUG SHELL** - No Rust. F/G Fenders No Eng/Int. Many parts good project car. Make offer. Jim, Ext. 4660.

**50 FORD PICK-UP** - F100 - 6 cyl., fully restored. Will consider trade for power boat. \$10,500. Don, 834-4829.

**CAR SEATS** - black leather heated seats w/air bags for VW Jetta, front & back., mint cond. \$500. neg. 965-8994.

**TIRES** - 2, Toyota, size 205-65R-15 Michelin, good cond. Ask \$20. 475-6548.

### Furnishings & Appliances

**BED** - Queen, mirrored grey headboard, one nightstand, pillow top mattress, box spring. Ask \$150. 708-7253.

**BUNK BED SET** - 2 beds, bureau, desk, chair, 2 cubbies, 2 twin mattresses, 2 bunkie boards. \$300, 591-1265.

**CHAIR** - lift/recliner, rare combo, almost new, \$350. Mary, 928-5185.

**FURNITURE** - oak brown kitchen desk with 2 chairs, computer desk, dark brown couch/sofa, \$40. Lim-Seok, Ext. 3720.

**LOVE SEAT** - Cozy denim love seat, \$30. Moving; item must go. Email for photos. Pick up in Port Jeff. Brandon, Ext. 5245.

**RAG RUG** - Vintage, approx. 3'x5', fringe, shades of pale lavender, \$28. 803-0506.

**WICKER SOFA** - antique, 5', white excel cond., \$50; wicker sofa, 4.5', white, \$20; swivel rocker, taupe, excel \$25. 588-7989.

### Audio, Video & Computers

**CAR STEREO** - Pioneer, 50W/ch, CDR/RW/MP3/WMA playback, satellite/iPod compat, \$200. Laura, Ext. 7842 or 434-5824.

**CAR STEREO** - DuraBand in-dash CD/MP3/CDR/CDRW playback w/MP3 display, 30 presets, \$110. 434-5824.

**DIGITAL CAMERA** - Nikon Coolpix, 5.0 megapixels, xtra batt. grip, hotshoe flash, usb cable. Ask \$250. Melanie, Ext. 5810.

**TV** - Toshiba, 27" flat screen, excel. picture, 2 yr old. Ask \$200; New Philips DVD-DIVx player \$40. Ext. 4367 or 708-7253.

**TV** - JVC w/20" screen, remote ctrl., built-in VCR, 2004 model, excel. cond. \$100. Francine, Ext. 3381 or 744-4061.

**WIRELESS SPEAKER** - Ind/Outdoor AW811 900MHz 300' range. New unopened box. \$40. Bill, Ext. 2906 or 929-6189.

**XBOX 360** - Brand new, unopened, see <http://tinyurl.com/s24wt> for details, \$400. Warren, Ext. 2080 or 751-5245.

### Tools, House & Garden

**COAL STOVE** - 1980s Surdiac, top cond. Barely used. \$450. Ext. 3721 or 473-4375.

**TRACTOR** - John Deere 1941 Model A, restored like new cond., converted 1- 12 volts, new batt. 2 plows, \$4,500. 886-1182.

### Miscellaneous

**AQUARIUM** - 45 gal., incl. all access. w/ custom built solid oak stand & matching canopy. \$250. Bill, 886-1182.

**DISNEY BOOKS** - new, hardcover classics, 8 1/2 x 11", *Robin Hood*, *Sleeping Beauty*, *Bambi*, *Snow Wh.*, more. \$5 ea. Ext. 5290.

**JETS TICKETS** - 4 vs. Detroit on 10/22 @ 1:00 pm. \$65 each, face value. Jim, Ext. 7859 or 924-7374.

**NORDTRACK AND TUNTURI BIKE** - Gently used. Best Offer. 744-8386.

**SHOES** - girl's Heelys, brand new, still in box, sizes youth 2 and women 7, can email pic. \$50/pair firm. 849-2153.

**SWINGSET** - Wooden swingset: 3 position, w/slide, tower, rope ladder, fireman's pole, monkey bars. \$50. 422-5881.

**WATCH** - Tag Heuer Pilot Quartz Aviator model, stainless steel bracelet, never worn, in box w/manual. \$150. Peter, Ext. 2913.

**WOODBURNING STOVE** - Vermont, Casting Modl Aspen 1920, 18000 Btu, heat sheilds 1 yr. old, pd. \$700, ask \$450. 588-7989.

### Yard & Garage Sales

**MORICHES** - 10/14, 10 a.m. to 3 p.m., Beaver Spur, Sunrise Hwy. Exit 59, baby stuff. Brigitte, Ext. 3114.

**Happenings**  
**SCALLOP DINNER** - Cutchogue Methodist men's club, election day, Tues. 11/7 seatings 5, 6, 7 p.m. potato, veg, beverage, desert, \$19. Ext. 2451 or 477-1715.

**YVETTE SINGS** - Latin Rhythms, Brentwood Public Library, free to the public Sun., 10/15, 2-4 p.m. Yvette, Ext. 5591.

### Free

**KIDDIE POOL** - Lil Tykes, step 2, plastic, climber w/slide, 12"x54", u take. 588-3999.

**KITTENS** - 4, 4-mth-old cuties that need wonderful homes. Will pay for spray & shots, you just supply the love. Diane, 821-1610.

**NUT COAL** - 150 lbs. You pick up. 834-4829.

**TENNIS RACKETS** - 3 avail., Wilson, 1 alum. & 2 wood. Bldg. 933, lunchtime. Take only what you need, call ahead. Ext. 2792.

### Wanted

**AFTER SCHOOL CHILD CARE** - incl. transportation to/from after-school activities & light housekeeping, ref. & clean license req. 804-4662.

### BERA Hispanic-Heritage Club Event

## Milagro Seven-Piece Band Plays Tribute to Santana, 10/14

Founded in 2004 by lead guitarist and vocalist Juan Antonio, Milagro, a seven-piece band with a full percussion section, will perform at Berkner Hall, sponsored by the BERA Hispanic-Heritage Club, tomorrow, Saturday, October 14, at 7:30 p.m. The band, well-known at venues all over Long Island, will play tribute to Carlos Santana, a unique, Latin-rock musician who founded the renowned band Santana. Milagro will play a variety of music that spans Santana's 40-plus year career and will also play tunes by the late Latin percussionist Tito Puente.

Tickets are sold at the BERA Store, weekdays, 9 -3 p.m. Advance tickets are \$10, at the door, \$12. The proceeds will be used to benefit the Hispanic Heritage Club Scholarship Program. All are welcome to attend this event, which is open to the public. Visitors to the Lab of 16 and over must carry a photo ID.

### Defensive Driving, 10/14

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held this Saturday, October 14, in Room B, Berkner Hall, 9 a.m.-3:30 p.m. The cost is \$30 per person. To register, call Edward Sierra, 821-1013, and leave a voicemail with your telephone number. For more information, call Sarah Wiley, Ext. 4207.

## 2007 BSA Scholarship Alert

Applications for 2007 BSA Scholarships may now be obtained from the Human Resources & Occupational Medicine Division, Bldg. 185. Completed forms must be sent to BSA Scholarships, Scholarship and Recognition Programs, P.O. Box 6730, Princeton, NJ 08541-6730, by November 15, 2006. A copy of the application must also be filed with Bonnie Hulse, Bldg. 185.

Applicants must be secondary school seniors who will be graduated during the current academic year and entering college by fall 2007. To qualify, applicants must be: children of BNL employees who began regular, full-time, or regular, eligible part-time employment no later than November 15 of this year, and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the previous two years before making the application.

All scholarships are awarded competitively and are renewable for up to a total of four years of study toward an academic degree. Selection is made by an independent committee appointed by Scholarship and Recognition Programs in Princeton, NJ. Thirteen scholarships will be awarded without regard to ethnicity. Two additional scholarships will be awarded to under-represented minorities (Black, Hispanic, or Native American) achieving the requirements established for these scholarships.

For more information, call Bonnie Hulse, Ext. 2885.

**EMPTY INK JET CARTRIDGES** - for charity fundraiser, send to Michael Thorn, Bld. 490/OMC. Michael, Ext. 8612.

**TREE STAND** - prefer hang-on type, but will consider climber or ladder type. Don, Ext. 7237 or 929-6571.

### For Rent

**CENTER MORICHES** - 4-bdrm. wtr-frt. house, dock on creek, 2 bath, eik, d/r, w/d, f/p, 10/6 to 5/07 \$1,600/mo. 261-7908.

**CENTER MORICHES** - 1 bdrm. bsmt. apt., 1/2 full kitch. & bath, outside ent. No smkg. Grt. loc. - holiday beach area - close to BNL, util. incl. \$1,000/mo. 909-2452.

**FARMINGVILLE** - grd. flr., eik/lr combo, f/bth, new paint/cpt, pt. furn., thermo, a/c, h/cap-acc, pvt/deck, ent, prkg, no smkg/pet, \$925/mo. + elec. 732-9324, 516-909-7501.

**MANORVILLE** - bright, sunny 1-bdrm, 1/2 eik, main flr, off st. prkg., incl. all \$1,000/mo. Annamarie, 878-8967.

**MILLER PLACE** - share lg., furn., non-smkg., 3-bdrm. home in quiet prof. area, cac, i/net, cable tv, own w/w bdrm., fenced b/yard, deck, 10 mi. to BNL. \$675/mo. 744-8386.

**ROCKY POINT** - clean studio apt. w/priv. ent., cath. ceiling, tile floor, full kit., bath, satellite TV, no smkg./pets, all incl., 9 mi. to BNL. \$850/mo. 516-250-7764.

**SHIRLEY** - lg, 2 bdrm, 1/2, eik, full bath, util. rm., sep. ent., no smkg/pets \$1,300/mo. 399-1756.

**SHIRLEY** - lg, 1st flr., 1 bdrm, 1 bath, a/c, eik, pvt. ent., fenced patio & yard, all util. & cable incl., just off Wm. Floyd, view now, avail. 11/1. \$850/mo. 917-608-2658.

**SHOREHAM** - share lg., furn., non-smkg. house, internet, tv cable, deck, yard, lg. bdrm., 7 mi. to BNL. \$650/mo. Ext. 3785 or 744-3543.

**SHOREHAM** - 1-bdrm. apt., sep. ent., kit. & bath, big yard, sep. therm., cable TV, avail. immediately, 1 mo. sec., no pets/smkg., 7 min to Lab. \$750/mo./neg. 747-3495.

**SOUND BEACH** - house, w/L.I. Sound water-view, 3 bdrm., 1/2, d/r, f/r, eik, appliances, f/p, cac, cent. vac., quiet, 20 min. to Lab, util. not incl. \$1,700/mo. Ron, Ext. 7588.

**WADING RIVER** - sunny studio apt., new full kit., dishwasher, new full bath, cac, heat, own thermostat, no pets/smkg., all util. incl. \$850/mo. 806-1310.

**WADING RIVER** - furn. apt., bdrm., 1/2, kit., full bath, satellite tv, 2nd flr., no smkg/pet. \$1,200/mo. 739-7234.

**NEWPORT RICHEY, FL** - 2-bdrm., 2-bath condo, 15 min to Gulf beach, Comm. w/2 pools, 2 golf crses, avail. Jan., Feb., all incl. but phone. \$1,200/mo. Ralph, Ext. 2539.

**OCALA, FL** - 3-BR unfurn ranch, in golf commnty. Incl. utilities, fees, cable, lawn care, community rec. offerings. Photos avail. \$1,300/mo./neg. Maria, 744 0790.

### For Sale

**BABYLON** - Cape in desirable Franklin Shores. Stroll to the beach, 1 block to LI Yacht Club. 3Bd, FB, EIK bsmt w/ose, 50x100. New roof+ \$420,000/neg. 525-4416.

**BOYNTON BEACH, FL** - 55+ comm., charming 1800 sq. ft., 2/2 + den, near clubhouse, pool, tennis & shopping \$239,900 561-495-0187.

**CENTER MORICHES** - 3-bdrm., 2-bath contemp. ranch plus sep. 1-bdrm. apt., fully updated, on 1/2 acre, deeded water rights, nr. Lab. \$539,000 Ext. 3177, 878-6220.

**KINGS PARK** - 11-rm. hi ranch, poss. m/d, 4 bed, 2 bath, totally renov., s/s appls, oak floorsm skylites. \$469,000/neg. Richard, Ext. 5319 or 835-8309.

**PALENTOWN, NY** - 3.03 wooded, Catskill acres; priv., dead-end Oxbow Rd.; spring-fed pond, stream, views. \$20K down, owner will finance. \$87,000/neg. 845-626-4650.

**SHOREHAM** - Dutch Col., 4 bdrm, 2 bath, d/r, 1/2, large fam rm, wd flrs, new large kitch, new appls, 1 car gar, ipp, fenced yrd, family n'hood \$459,000/neg. 258-4607.

**SHOREHAM** - Sprawling 5-bdrm 2-bath ranch; move-in cond., new appl, drv/way, cac, htg syst, & hwh, Frpl, Ins, fenced yard, 18x18 shed \$369,900/neg. 848-8072.

**WADING RIVER** - 2-bdrm. 1-bath ranch, half bsmt., new flrs., roof, appl; 10 min to Lab, town water, walk to Wldwd Park & beach. \$279,000/neg. Ext. 4202 or 516-449-8924.

### On-Site Services

**ON-SITE SERVICE STATION** - We provide gas and all vehicle services, NYS inspections, new batteries, tires, repairs, while you are at work. Ext. 4034.

## Wanted: BNL Art and Crafts for Fall Show, 11/20-22



BNL artists, photographers, sculptors, and crafters — your most beautiful, eye-catching work is needed for the BNL Art Society's upcoming Art and Crafts Exhibit to be held at Berkner Hall from Monday to Wednesday, November 20-22, 11:45 a.m. -1:30 p.m. An evening reception with refreshments will also be held on Monday, November 20, 5 - 7 p.m.

BNL employees, retirees, facility users, guests of BNL, and family members 15 years and older, may all contribute. More than one piece may be entered by an exhibitor, to be shown as space permits. Please prepare your finest skilled and creative

works for the Lab community to enjoy.

Exhibits for the show must be brought to Room C, Berkner Hall, the afternoon of Friday, November 17. To be included in the catalog, list the following information for each work entered and return it by Monday, November 13, to Bob Chrien, Bldg. 510A, or Liz Seubert, Bldg. 134, or (better yet!) e-mail the information requested below to [chrien@bnl.gov](mailto:chrien@bnl.gov) or [lseubert@bnl.gov](mailto:lseubert@bnl.gov). We need your name; home phone; BNL contact name if it is not you; BNL phone Ext.; type of art or craft (painting, pottery, etc.); title of work if there is one; brief description (material, size, etc.)