

### Climate Change, Clean Energy Define 2010 Annual Meeting Of NSLS, CFN Users



William Brinkman, Director, DOE Office of Science



Harriet Kung, Director, DOE Office of Basic Energy Sciences

Highlighting the “remarkable synergy” between BNL’s National Synchrotron Light Source (NSLS) and Center for Functional Nanomaterials (CFN), government, Laboratory, and science leaders made an urgent call for the development of efficient and effective clean energy technologies at the annual meeting of the facilities’ user communities. About 500 visiting scientists, staff members, and funding representatives gathered at Brookhaven on May 24-26 for the joint meeting, which emphasized climate change and the tools scientists are using to combat it.

“We have to do something,” said William Brinkman, Director of the DOE Office of Science, about climate change. “The worst part is that from predictions, we have a gigantic job ahead of us.”

Brinkman spelled it out clearly: To keep the Earth’s temperature from increasing more than a couple degrees, yearly carbon emissions must be reduced by a factor of eight in the next 40 years.

“We are not heading in that direction,” he said, adding that we waste about 58 percent of the energy we produce through sources like coal, oil, and natural gas. “We are not moving nearly fast enough.”

Progress is being made, he said, but there are still difficult challenges in numerous alternative energy avenues, including solar photovoltaics, advanced fusion and fission energy, carbon capture and sequestration, biofuels, electric energy storage, and battery and energy storage technologies.

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### BNL Hosts Safety Day Event, 6/16

See special supplement.

### BLUEPRINT

#### Blueprint Progress Receives Very Positive DOE Review

##### Performance Monitoring Committee finds:

- Engaged leadership
- Commitment to success
- Appropriate actions under way
- Positive safety trends
- More work needed to develop project
- Reinforcement to maintain momentum

BNL’s progress with the Blueprint initiative — the Lab’s multi-year plan for growth and development — recently received a highly favorable review from DOE. The DOE Office of Science Performance Monitoring Committee (PMC), which has been closely following the Blueprint’s implementation, received a comprehensive project update during its visit to BNL from May 4-6 and later provided its findings.

“I’m pleased to report the committee found we’ve made significant strides with the Blueprint since the PMC’s last visit to BNL in December,” said Lab Director Sam Aronson. “Although there’s much more Blueprint work that remains to be done, it’s very encouraging to hear that we’re on the right track.”

The PMC reviewed progress on each task in the Blueprint and reached several favorable conclusions: Lab leadership is engaged; there is a commitment to success; appropriate actions are under way; safety efforts are resulting in improvements; and communications has built considerable awareness. The report also noted that further work is needed to develop the project and that positive reinforcement will be needed to maintain momentum for the long term.

“The PMC also met with a cross section of employees and determined that we’ve built a real sense of excitement at BNL,” said Deputy Director Mike Bebon. “This kind of support will help us transform the Lab and reach a new level of performance...”

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### Deputy Energy Secretary Poneman Funds Extra \$28 Million for Cleanup — Urges All Staff to ‘Own’ Lab’s Mission

On Tuesday, June 1, at an all-hands meeting during his first visit to Brookhaven, Deputy Energy Secretary Daniel Poneman made a major announcement regarding funding for cleanup of the Lab’s Graphite Research Reactor (BGR).

Stating that “we have a moral duty” to remediate the environmental impacts of the Lab’s legacy nuclear research, Poneman said that an additional \$28 million in American Recovery and Reinvestment Act funding has been earmarked to finish the BGR cleanup by September 30, 2011. Last year, Brookhaven received approximately \$30.5 million to accelerate the decommissioning of the reactor, which operated from 1950 to 1968, producing neutrons for a wide range of research — from materials science to radioisotopes for medical use.

The first speaker was U.S. Representative Tim Bishop of the First Congressional District, a longtime supporter of the Lab in both scientific and environmental cleanup endeavors. “With this additional Recovery Act money provided by the Department of Energy,” said Bishop, “we are well on the way to seeing this Lab is fully funded” to complete the cleanup.

Poneman stressed the importance of focusing on the DOE mission — including advancing energy research, addressing climate change, promoting national security, and understanding the universe — while being good stewards of taxpayer resources. To further these efforts, he advised both



BNL Director Sam Aronson (left) with Deputy Secretary of Energy Daniel Poneman



Deputy Secretary of Energy Daniel Poneman (left) with Congressman Tim Bishop

transparency — “If you can’t measure it, you can’t manage it” — and careful project management, with particular attention to issues of budget, safety and security.

“The mission should dominate,” he said, “but people on the support side of the Lab also have to be able to own the mission.”

He illustrated his point by telling the story of three bricklayers with different ways of describing their jobs: one said he was building a wall, another said he was trying to become the world’s best bricklayer. The third said he was building...

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## Meet the Brookhaven Council

### Members help maintain scientific excellence, advise Lab Director

The Brookhaven Council is an elected body that advises the Laboratory Director on matters affecting the scientific staff. It is concerned in particular with maintaining an atmosphere conducive to excellence in scientific research at the Laboratory. Members of the scientific staff may raise their concerns about scientific issues to their Council representatives; if the Council decides the matter requires further investigation, they can bring it to the attention of the Director.

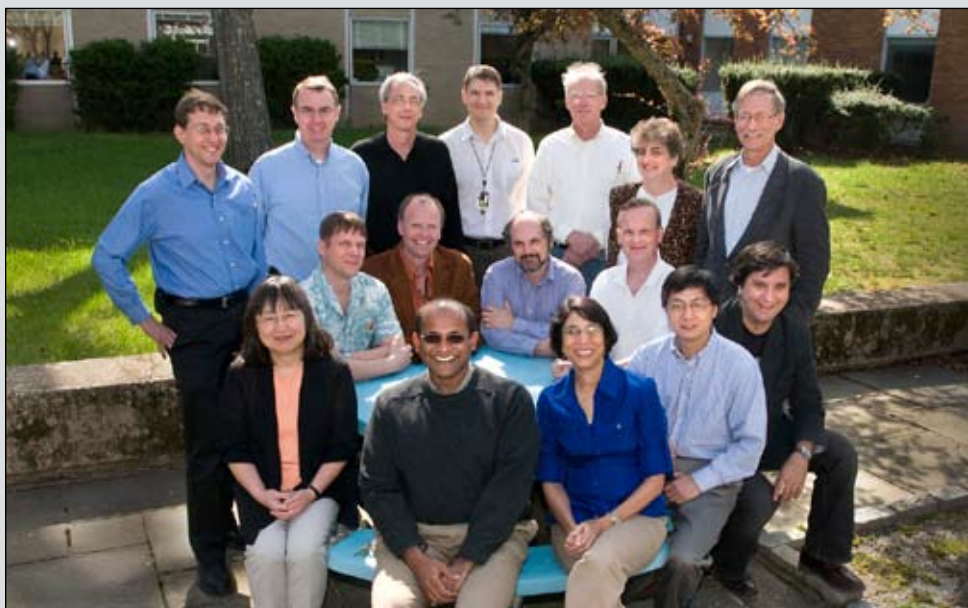
While the Council provides advice on a wide spectrum of issues, one of its most important functions is to perform an independent evaluation of tenure candidates put forward by departments.

In addition to recommending tenure candidates to the Director, the Council is consulted on terminations of scientific appointments. The Council also has its representatives on various Laboratory committees, notably on the Laboratory Directed Research & Development and Goldhaber Fellowship selection committees.

This year, Raju Venugopalan of the Physics Department is serving as the Council Chair and Thomas Ullrich, also of the Physics Department, is serving as Council Secretary.

Venugopalan notes, “The scientific staff are important stakeholders in the long-term interests of the Laboratory. As the only elected body representing the entire scientific staff, the Council can play an important role in communicating their views to the Laboratory Director.”

“I encourage scientists at the Laboratory to actively interact with their Council representatives by communicating to them their concerns and views on scientific matters at the Laboratory,” Venugopalan concludes.



The 2010 Brookhaven Council members are: seated, clockwise, from front center: BNL Council Chair Raju Venugopalan, Physics Department; Etsuko Fujita, Chemistry Department; Michael Blaskiewicz Collider-Accelerator Department (C-AD); BNL Council Secretary Thomas Ullrich, Physics; Alexei Tsvelik Condensed Matter Physics & Materials Science Department (CMP/MS); Daniel van der Lelie, Biology Department; Sergei Maslov, CMP/MS; Hua-Gen Yu, Chemistry; and Triveni Rao, Instrumentation Division; standing, from left: Wolfram Fischer, C-AD; John Shanklin, Biology; Lawrence Kleinman, Environmental Sciences Department (ES); Paul Vaska, Medical Department; Robert McGraw, ES; Vivian Stojanoff, National Synchrotron Light Source Department; and Stephen Schwartz, ES. Not present: Samuel Krinsky, National Synchrotron Light Source-II Project; and William Morse, Physics.





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## Deputy Energy Secretary Poneman Funds Extra \$28 Million for Cleanup — Urges Staff to ‘Own’ Lab’s Mission

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...a cathedral, which is how Poneman advised all Brookhaven employees to view their jobs.

Poneman’s remarks were particularly relevant to BNL given its recent focus on the Blueprint initiative and its “One Lab” approach. In his speech of

thanks for the new funding, Lab Director Sam Aronson drew attention to the Deputy Energy Secretary’s views on the importance of a unified goal.

“The Lab’s Blueprint, with its concept of ‘One Laboratory,’ is about the importance of everyone’s owning the mission of the Lab and contributing

their piece,” Aronson said.

Other distinguished guests present included Cynthia Anderson, Director of the Environmental Management Recovery Act Program for DOE’s Office of Environmental Management and Michael Harrison, Long Island Regional Director for Governor Paterson.

Before announcing the additional funding at the all-hands meeting, Poneman had toured several Lab facilities where he talked with employees and learned at first hand some of BNL’s research highlights.

“Brookhaven Lab is a national treasure,” Poneman concluded, “and the work you

all do is incredible, from the most practical issues to the most esoteric questions — it’s all happening here.”

Following the all-hands and a media session, Poneman toured the BGRR to see the work that has been accomplished to date and what remains to be completed. — Kay Cordtz

## BLUEPRINT

(continued from page 1)  
...ensuring the Lab’s sustainability for the future.”

As a result of the favorable review, Blueprint oversight will now transition from the PMC to DOE’s Brookhaven Site Office (BHSO).

“BHSO will continue to monitor performance against the Blueprint milestones,” said BHSO Manager Michael Holland. “I am encouraged by the progress made and the commitment to the Blueprint initiatives.”

The Blueprint projects fit into

five broad categories: organizational changes; leadership effectiveness; engineering, construction and facility management; safety and operations excellence; and performance management. Together, these projects are intended to put

the Lab in a position to take advantage of growth opportunities and significantly expand its scientific impact over the next decade.

More information is available on the Blueprint intranet site: <http://intranet.bnl.gov/blueprint>. — Jim Green

## Climate Change, Clean Energy Define 2010 Annual Meeting of NSLS, CFN Users

(continued from page 1)

The need for research in these areas is reflected in President Obama’s fiscal year (FY) 2011 budget request, Brinkman said. If approved by Congress, funding for the Office of Science would increase by 6.1 percent, including a more than 12 percent increase for the Office of Basic Energy Sciences.

### Funding the Hubs for Energy Research

Harriet Kung, Director of the DOE Office of Basic Energy Sciences (BES), gave further details on the FY 2011 budget for BES and its implications for Brookhaven. If approved, the \$1.853 billion request would provide optimal support for BES’s five light sources, three neutron sources, and five nanocenters, as well as a number of construction projects, including the National Synchrotron Light Source II (NSLS-II).

“This sends a very strong message as to the importance of the field that we represent and the contribution this community can make toward the department’s central mission,” Kung said.

The budget also will allow BES to expand two new funding avenues: energy research frontier centers (EFRCs) and energy innovation hubs. Receiving \$2 to \$5 million per year for up to five years, 46 EFRCs were selected in 2009 to perform “use-inspired basic research.” In FY 2011, Kung said, BES plans to award about \$40 million to new EFRCs. The larger energy innovation hubs, which receive \$25 million per year for five years, are meant to enable transformational energy applications. The first one was established this year to investigate the production of fuels from sunlight. A second hub, centered on energy storage and batteries, will be awarded in FY 2011, Kung said.

In addition, new awards for individual and small groups will be given in two research areas: discovery and development of new materials and research for energy applications.



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Chi-Chang Kao

“Almost all of the clean energy technologies we have today are really far from achieving their full potential,” Kung said. “What’s limiting them is not engineering skills, it’s fundamental knowledge.”

### NSLS-II: On the Fast Track

In addition to lacking fundamental knowledge, our inability to image materials on a small-enough and sharp-enough scale also limits our quest for better energy technologies, said Steve Dierker, Associate Laboratory Director for Light Sources and NSLS-II Project Director.

“You can think of NSLS-II as a powerful new photon microscope that will allow us to peer into the nano world,” he said, adding that the new machine’s extremely high brightness and advanced optics will offer some of the best capabilities out there.

Construction is quickly progressing on the \$912 million facility, thanks in part to \$150 million in American Recovery and Reinvestment Act (ARRA) funding awarded in 2009. The giant ring — half a mile in circumference — is now taking shape and overall, 30 percent of the construction work is complete. By next spring, the number of construction workers on site will double to 400. At this rate, Dierker said, the project will be ready for beam by February 2014 — 16 months ahead of schedule.

With the approach of the transition to the new facility comes a new user access policy, which will be implemented at the NSLS as

soon as possible, Dierker said. The policy will be centered on general users, who will receive about 80 percent of available beam time. The other 20 percent will be shared between partner users and local beamline staff.

“Putting this in place now will help upgrade support mechanisms and help us be better able to take advantage of NSLS-II when it first goes online,” Dierker said, adding that the policy is in draft form until the Science Advisory Committee reviews it this summer.

With potential funding coming from BES, DOE Office of Biological and Environmental Research, and the National Institutes of Health, Dierker expects 10 beamlines to be available for users when the facility starts, and possibly, up to 37 beamlines by FY 2016.

“That would be pretty remarkable progress,” he said. “Historically, on average, facilities have taken about seven years to build out 40 beamlines. Our goal is 37 within two years. That’s three to eight times faster than any other facility has achieved.”

“This is an incredibly exciting time for BNL and photon science,” Dierker said.

### CFN: Three Years of Growth

It’s also a very exciting time for the CFN, which first opened its doors three years ago and was ready for full operations just about two years ago. CFN Director Emilio Mendez used one word to describe it: growth.

Since FY 2008, the CFN’s budget has jumped about \$3 million to \$20.7 million; its staff members



Joseph Rubino 03290510

Steve Dierker

have grown from 39 to 51; and its user count has doubled to more than 200. There’s still room for growth down the road: the “magic number” of users for the facility is about 300, Mendez said, and key staff positions, such as the associate director, are yet to be filled. Other challenges include hiring a diverse workforce, engaging small industries, and transferring research to technology programs.

Overall, it’s a very positive climate for energy sciences, Mendez said. In addition to receiving great support from DOE, the CFN has formed ties with other departments within Brookhaven as well as with Stony Brook University, and through the EFR program, with Columbia University and the Massachusetts Institute of Technology.

In 2008-09, CFN staff published more than 70 papers in high-impact journals and applied for seven patents, Mendez said. This research includes groundbreaking studies on epitaxially grown graphene, materials for water splitting, and DNA-guided self-assembly of nanoparticles. The facility is in the process of installing several new pieces of equipment such as a transmission electron microscope for soft materials, a reactive ion etcher for metals, and an analytical scanning transmission microscope. The CFN also is upgrading tools that are essential to users, including an advanced electron beam lithography system and a “workhorse” transmission electron microscope.

Mendez asked for one favor from users: be louder. Only about

15 percent of users turn in feedback forms after their visit to CFN, he said.

“This is not representative of the entire community,” he said. “We need engagement. It’s important for us to know both what we do well and also what we didn’t do well. Don’t be shy.”

### NSLS: A Nobel Year

NSLS Director Chi-Chang Kao thanked the “large and vibrant” user community and staff for a productive year of research and operations. The number of users stayed steady at about 2,200 in 2009, even as the number of running beamlines decreased to 62. Those users produced more than 900 publications and benefitted from greater than 95 percent reliability on both the X-ray and Vacuum Ultraviolet/Infrared rings.

“It’s like a bottle of wine, it gets better as it ages,” Kao said.

In FY 2010, the NSLS received about \$39 million, which, in addition to supporting routine operations, is being used to replace the deteriorating dunnage that supports the cooling tower, buy spare klystrons and magnet coils to keep the facility running through 2015, and construct beamline X17A. ARRA funds supported two projects -- construction of a full-field x-ray microscope and acquisition of six advanced x-ray detectors.

One of the crowning moments of the last year, Kao said, was the announcement of the Nobel Prize in Chemistry. Venkatraman Ramakrishnan, of the (See NSLS/CFN Users, pg 3)



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Emilio Mendez



# In Memoriam: Powell (Jim) Richards

Powell (Jim) Richards, who joined BNL on October 11, 1948, and retired as a senior engineer in the Medical Department on June 30, 1983, died at 92 on April 8, 2010.

The following obituary was written by a colleague, Suresh Srivastava of the Radionuclide and Radiopharmaceutical Research and Production Program, in the Medical Department.

Powell “Jim” Richards, who lived at Cypress Glen, Greenville, North Carolina, died quietly in his sleep on Thursday, April 8, 2010, at the age of 92 from complications resulting from a series of strokes.

Jim Richards retired from BNL in 1983 where he had worked as a nuclear physicist since 1948. He specialized in the development and promotion of many radionuclides, including technetium-99m [1], for diagnostic and therapeutic purposes. Many of these continue to be used in hospitals throughout the world.

Jim was an active member of many professional organizations, in particular the Society of Nuclear Medicine, and received many awards and honors over the course of a long and distinguished career. Among these were the Radiation Industry Award from the American Nuclear Society in 1972, and the Paul Aebersold Award of the Society of Nuclear Medicine in 1977. Jim was recognized for “his scientific contributions and unceasing efforts leading to the introduction, development, and use of technetium-99m as an imaging isotope in diagnostic nuclear medicine.” He was named Honorary President of the Third International Symposium on Technetium in Chemistry and Nuclear Medicine that was held in Montegrotto Terme (Padova), Italy, during September 6 – 8, 1989.

On October 16, 1998, the pharmaceutical giant Mallinckrodt Medical, which had featured him in their 1977 calendar as one of “The Founders of Nuclear Medicine,” dedicated a new building to him at their European headquarters in Petten, The Netherlands, installing a bronze plaque with his prophetic words, in the 1960s, about the isotope: “Technetium-99m should be a useful research tool; it combines

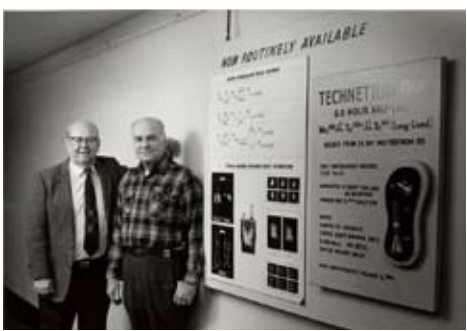


a short half-life and unique radiation characteristics. The absence of beta radiation reduces the amount of damage to biological systems usually associated with radioisotopes.”

Jim was born in 1917 in Philadelphia and attended the chemical engineering program at the University of North Carolina at Chapel Hill. He was an avid athlete, playing soccer, track and basketball in high school and college. He began his career in 1939 at DuPont near Wilmington, DE. With war looming, he was hired by the U.S. government and assigned to Oak Ridge, TN, to work on the development of the government’s nuclear program. He was ultimately involved in the ‘Manhattan Project,’ a top-secret venture to develop the atomic bomb.

Jim’s enthusiasm for research exerted a contagious influence on the numerous fellow co-workers in the laboratory and on the multitude of scientists who came to work and train under him. He always posed interesting questions about the very basics of the chemistry involved in radiopharmaceutical development, which eventually led all of us to devise simpler, more practical solutions to complex procedures. To quote one of his former colleagues: “Jim had an uncanny intuition (usually correct) about how things worked — sort of Edisonian.”

During his tenure at BNL, Jim also played a central role in the development of the Brookhaven Linac Isotope Producer (BLIP) facility, which began functioning in 1972, as part of the Radionuclide and Radiopharmaceutical Research (R&RR) and Production program at BNL. For over four decades, initially under Jim’s



Walter Tucker (left) and Powell Richards (right) in the picture above, were considered to be the medical radioisotope pioneers at BNL. Tucker, working with Margaret Greene, in 1958 created the first molybdenum-99/technetium-99m generator (pictured on right). Thereafter, Richards enthusiastically continued to foster its development for medicine [1]. At present, more than 80 percent of almost 20 million diagnostic radiopharmaceutical injections, given in the United States yearly, use technetium-99m.

watch, this program has continued to be a world-class program. It has made major contributions to nuclear medicine; indeed many of the radionuclides and/or radiopharmaceuticals developed in this program have, and continue to be, used in patients for diagnostic and therapeutic procedures. Examples include the technetium-99m generator, Tc-99m-labeled radiopharmaceuticals, blood cell labeling kits, thallium-201, iodine-123, xenon-127, copper-67, tin-117m, and many other radionuclides. For a number of these developments, the credit goes mainly to Jim Richards.

On the personal side as well, Jim was a highly accomplished and successful individual. His many positive attributes included a great love for life and a very close relationship with his family and friends. He excelled in all the essential qualities of a scientist that include intuition, imagination, vision, and perseverance. Jim was a thorough gentleman and extremely considerate of others. He possessed the enviable ability to make people feel at ease in his presence. I always found his friendly demeanor nothing short of exemplary. He was always willing to help his students, colleagues, and friends regardless of how busy he was.

I have had the privilege of knowing Jim for over 30 years, first as my mentor when I joined the “Technetium Chemistry Group” within the R&RR Program at BNL in 1975, then as a research colleague until his retirement. I consider myself as being



extremely fortunate to also have enjoyed a very close and unconditional friendship with him. Jim Richards’ death was a deep personal loss.

Upon retiring from Brookhaven in 1983 Jim moved to New Bern, NC. He and his wife were active members of the New Bern Golf and Country Club. Two years following the 1999 death of Shirley, his wife of over 40 years, he moved to Cypress Glen in Greenville, NC.

Jim Richards is survived by four children: Fred Richards of New Bern, NC; Mary Jo Conway of Sarasota, FL; Randy Pitcher of Ft. Lauderdale, FL; and Jim Richards of Philadelphia, PA; seven grandchildren, and ten great grandchildren.

[1] P. Richards, W.D. Tucker, and S.C. Srivastava. Technetium-99m: An historical perspective. *International Journal of Applied Radiation and Isotopes* **33**, 793 - 799 (1982).

*Powell Richards joined the Hot Laboratory Division in BNL’s Nuclear Energy Department as an associate technical specialist on October 11, 1948. He rose to associate technical specialist Group Leader in May 1953, then to technical specialist in July 1956, radio chemistry engineer I in July 1958, associate engineer in July 1959 and engineer in 1965. In February 1969, he joined the Department of Applied Science, transferring to the Medical Department in July 1965. He was promoted to senior engineer in 1979. He retired from Medical on June 30, 1983, continuing with a guest appointment through September 30, 1988.*

## NSLS/CFN Users

Research Council Laboratory of Molecular Biology in Cambridge, UK, a former employee in Brookhaven’s Biology Department and a longtime user of the NSLS, and Thomas A. Steitz of Yale University, also a longtime NSLS user, shared the prize with Ada E. Yonath of the Weizmann Institute of Science. They used the NSLS and other synchrotron sources to produce atomic-level images that helped reveal the inner workings of the ribosome.

NSLS staff members have worked on many fronts in the past year, including hosting the inaugural small angle x-ray scattering/wide angle x-ray scattering workbench, creating a new program that grants high school teachers and students access to beamlines, and assisting with a synchrotron course at Stony Brook University. In addition, the NSLS has made large efforts to engage industrial users by forming an advisory committee, creating a special website, in-

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creasing the availability of beam time to industrial researchers, and expanding the use of remote access.

At the NSLS Source Development Laboratory, Kao said, researchers continue to prepare for the long-term future of photon science at Brookhaven by exploring the physics and science of free-electron lasers.

“We want the user community to start working with us on all aspects of this work,” he said. — Kendra Snyder

## Arrivals & Departures

— Arrivals —

Lauren Biegelman..... PPM  
Mary LaClair.....ITD  
Chuyu Liu..... C-AD  
Svitlana Mazurkova ..... Physics  
Carlo Melbihess..... F&O  
Nicole Puglin..... QM  
Maria Schmidt .....LS Dir.  
James Stuart.....Rad. Contr.  
Hidekazu Tanaka ..... Physics  
Joseph Triolo .....Maint/Fabr.

— Departures —

Mohammad Bhuiya .....Biology  
Yi Ding..... NSLS  
Ming-Kang Tsai.....Chemistry  
Hongbo Yang ..... CMP/MS

## Benefits Office Reminder

The birth of a child, adopting a child or getting married are all exciting life events. Please remember to enroll any newly attained dependents in your medical and/or dental programs within 30 days from the date your new dependent is born, adopted, or otherwise becomes eligible for coverage. If you do not enroll your dependent through the Benefits Office within 30 days from the date he/she first becomes eligible, you will be required to wait until the next Open Enrollment Period to enroll him/her. Please call the Benefits Office at Ext. 2877 or Ext. 5126 if you have any questions.

## CALENDAR

Today, Friday, 6/11

### 90-50-10 Celebration

9 a.m.-12:15 p.m. Berkner Hall. Session chaired by Satoshi Ozaki. 1:45-5 p.m. Session chaired by Derek Lowenstein. All are welcome. [www.bnl.gov/rhic\\_aggs/users\\_meeting/Agenda/plenary1\\_fri.asp](http://www.bnl.gov/rhic_aggs/users_meeting/Agenda/plenary1_fri.asp)

### \*Honoring Flag Day, Action Today

11 a.m. -1 p.m. Berkner Hall lobby. Brookhaven Veterans Association will collect worn-out flags. See notice, pg. 4.

### Laboratory History Conference

6:30-8 p.m. Berkner Hall. Panel Discussion: “Laboratory Management.” Moderator: Robert Crease, SBU. All are welcome.

Saturday, 6/12

### Laboratory History Conference

8 a.m.-3:45 p.m. Conference continues at SBU. Contact Robert Crease, [rcrease@notes.cc.sunysb.edu](mailto:rcrease@notes.cc.sunysb.edu).

— WEEK OF 6/14 —

Monday, 6/14

### \*Talk: Parents Help Child’s Career

Noon. Berkner Hall. Sponsored by the Employee Assistance Program, Malka Edelman, career facilitator, will talk on how parents can help children in their own career development. All are welcome. See pg. 4.

Wednesday, 6/16

### \*Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. Please donate. See pg. 4.

Thursday, 6/17

### \*Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. Please donate. See pg. 4.

### \*BWIS Talk: Caregivers, Child Development

Noon. Berkner Hall, Room B. Everett Waters, Stony Brook University, will talk on “Always There for Me: The Developmental Significance of Early Experience With Parents.” See pg. 4.

### Vernon Hughes Memorial Lecture

3 p.m. Large Seminar Room, Bldg. 510. Gerald Gabrielse, Harvard University, “Particle Physics Without Energy Restrictions.”

Friday, 6/18

### \*Acoustic Bluesman Concert

8 p.m. Brookhaven Center. Paul Geremia will play. Tickets \$15 at the BERA Store, \$20 at the door. Open to all. Visitors to the Lab must carry a photo ID. See supplement, back pg.

Saturday, 6/19

### \*Young Musicians Play BNL

7:30 p.m. Berkner Hall. The Sheppard Brothers, Calico Galazy, and The Well, three bands of local musicians will play, sponsored by the BNL Music Club. Tickets are \$5, at the BERA Store. Open to the public. Visitors to the Lab must carry a photo ID. See supplement, back pg.

## Borrow-A-Bike

The BERA Borrow-a-Bike program is available for those without a car: For more information, go to [www.bnl.gov/bera/recreation/bicycle.asp](http://www.bnl.gov/bera/recreation/bicycle.asp), or call Ext. 8481.

## Summer Science Explorations At BNL’s Science Learning Center

BNL employees are invited to register their children for the 2010 Summer Science Explorations Program, which is a free offering from the Lab’s Science Learning Center. The three-day summer camp will be held on Tuesday through Thursday, from 8:30 to 11:30 a.m. for students entering 4th – 6th grades. The focus of the camp’s first two days is the planet Mars. Through various experiments and activities, students will gain an understanding of the planet’s environment and of Rover technology, and they will also design and build a habitat to sustain human life. During the third day: “environmental day,” students will go to Weaver Road Pond and learn about habitats.

These programs, offered by BNL’s Office of Educational Programs (OEP), center on research done at the Lab. In addition to OEP science educators, the children are mentored by research staff and pre-service teacher interns.

The weeks of July 20 and August 3 have been reserved for the children of the BNL community. Space is limited, so register your child/grandchild early by contacting the Science Learning Center office, Bldg. 400, Ext. 4495. Students must attend all three days, and the parents of participating children are welcome to attend.



Talk: ‘What’s a Parent to Do?’ 6/14  
How can we help our children in their own career development?

by Nancy Losinno, Employee Assistance Program Manager

Many BNLeers have come to EAP requesting help for their young adult children who are not working or who lack good career development skills in order to be successful in this depressed job market. The acquisition of a career is actually a quite sophisticated process involving identifying one’s own values, skills, learning styles, as well as aptitudes and interests. After this inward investigatory process, education, networking, resume building, job shadowing and self-advocacy are all part of career development for the young adult. Parents often come into conflict with their young adult who they may perceive as slacking off in this process. Help is on the way! Malka Edelman, a Master Trainer and career facilitator, will come to the Lab on Monday, June 14 , to deliver some important information for us. The talk will begin at noon in Berkner Hall. Handouts, resources and useful career development websites will be available.

BWIS Talk for Father’s Day: Caregivers & Child Development, 6/17

Brookhaven Women in Science (BWIS) will hold its third Brookhaven Networking meeting on Thursday, June 17, at noon in Berkner Hall, Room B. Everett Waters, a psychology professor at Stony Brook University, will give a talk titled, “Always There For Me: The Developmental Significance of Early Experience With Parents.”

Waters will discuss current thinking and research on the nature of children’s ties to their primary caregivers and the influence of early relationship experience on independence, parenting, social support in marriage, care for elderly parents, and mentoring. In recognition of Father’s Day, the importance of the male parent will be included in the discussion, although he is rarely the focus of theory or research.

Lynne Ecker, BWIS Coordinator, said, “Many women scientists have had supportive and influential male mentors and role models. BWIS is sponsoring this lecture to celebrate Father’s Day as a thank you to our colleagues who have helped our careers.”

All BNLeers are invited to the talk and networking group. For more information, contact Ecker at Ext. 2538, or [lecker@bnl.gov](mailto:lecker@bnl.gov).

New BNL Careers Website Launched

The Human Resources and Occupational Medicine Division (HR/OM) is pleased to announce the launch of a refreshed website dedicated to serving those seeking careers at BNL. Working in cooperation with CEGPA’s Web Services Group, HR/OM has given the site a fresh visual style that better communicates the excitement of working at a world-class research facility.

The site has been reorganized the site to make it easier for job applicants to learn about the Lab, investigate the benefits of employment at BNL, and discover what makes Long Island an attractive place to live and work. Find the new careers site at <http://www.bnl.gov/hr/careers>.

To Find BNL Job Ads

Human Resources now advertises most positions available at BNL only on the HR “Jobs” webpage: <http://www.bnl.gov/HR/careers>. These positions are no longer advertised in the Bulletin. This change allows immediate, real-time posting of positions and aligns BNL’s job posting policy to that of other labs and organizations. Union positions will continue to be advertised in the Bulletin, as are certain other positions that are identified by HR and hiring managers as appropriate for the Bulletin readership.

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. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at [www.bnl.gov/HR/jobs/](http://www.bnl.gov/HR/jobs/).

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

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

AUTOMOTIVE OFFICE CLERK - Under general supervision, performs clerical duties requiring thorough familiarization with the operation of the Automotive Maintenance section of the Staff Services Division. As directed, may assist and aid Senior Clerk in performance of specific functions. Typical duties include solving clerical problems, tracing errors and collecting data. Staff Services Division. Please submit an Employee Transfer Request to Diana Hubert, Bldg. 400B referring to Job ID # 15385.

On-Site Services

SUSHI DAILY AT THE CAFETERIA - The Cafeteria is now featuring fresh sushi made daily by our sushi chef. Working in partnership with Nanyarson, AFC Sushi Company is a nation-wide organization, with close to 3700 outlets across the U.S. and Canada. AFC Sushi provides fresh-made sushi for businesses, universities, retail stores, and your local grocery stores. AFC Sushi has a concession also open at the Wang Center at Stony Brook University. Come to the cafeteria today to taste sushi along with the wide selection of other food from Nanyarson.

Motor Vehicles & Supplies

08 KAWASAKI ATV - KFX - 450R – Holeshot H-D tires, full Pro Amor Skid plates/bumper/brake & shift lever acerbis hand guards, tach/hr meter, more. \$4,800 neg. 344-4668.

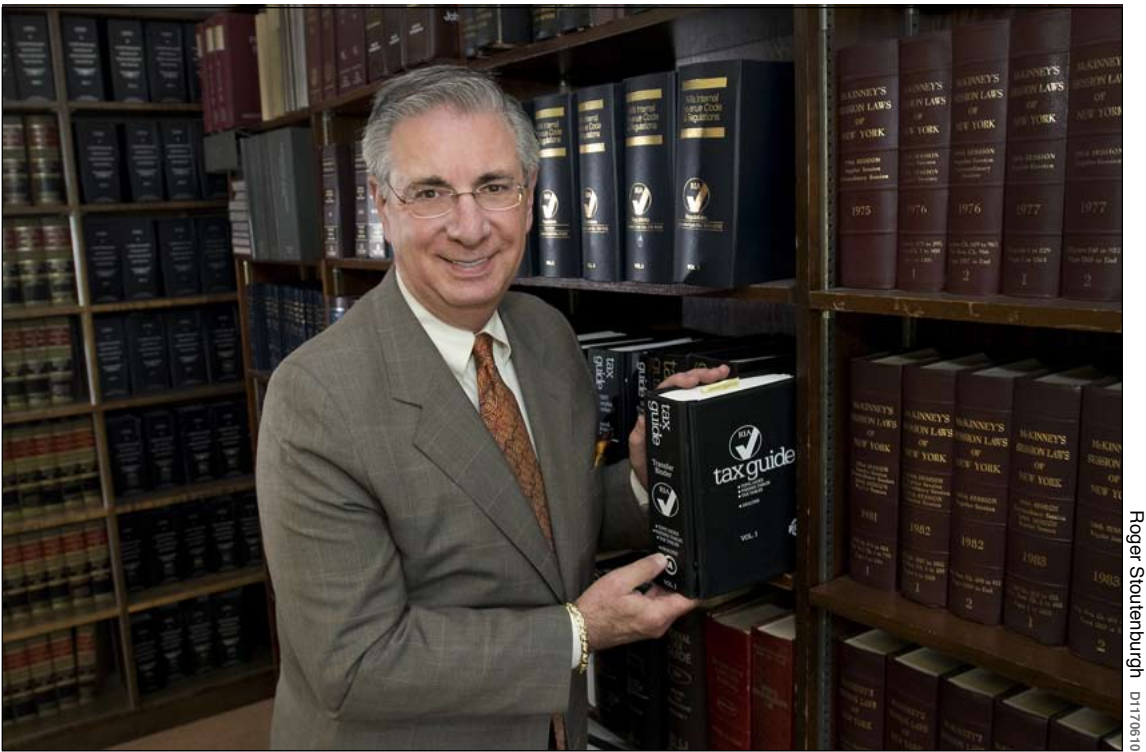
06 TOYOTA SIENNA – excel cond, orig owner, well maintd, loaded w/extras, must sell. Mike, 806-1410.

05 HARLEY DAVIDSON SUPER GLIDE – 7.8K mi. black, extra crome, plus many options. \$8,000 neg. 516-810-1406.

02 HYUNDAI ELANTRA GLS – 90.3K mi. silver, 4dr, p/l, p/s, p/w gd cond, new tyres, moon roof, CD player. \$3,200 neg. Girish, gmishra@bnl.gov.

01 SUZUKI BANDIT 600S (GSF600S) – 31K mi. Never wrecked. A few scratches, overall gd cond. Ridden year round in TX. \$2,000. Brent, Ext. 2455 or bbueto@bnl.gov.

00 NISSAN MAXIMA GLE – 110.25K mi. excel cond, a/c, c/c leather, Bose am/fm/cd, p/w, p/dr locks, heatd seats, tcs, abs, air bags, side&front, \$4,600 neg. 278-2192.



Roger Stoutenburgh DT170610

BNL Finance Director Mark Israel Sends His Donations to the [Blood] Bank

Mark Israel, the Interim Assistant Laboratory Director for Finance at the Laboratory, has quite a task — overseeing all the funding and expenditures at the Laboratory. It is estimated that in fiscal year 2010 the Laboratory will have a total budget of \$727 million, keeping Israel and his staff very busy.

Nonetheless, Israel always finds time in his schedule to donate blood. Since joining the Laboratory in 1974, he has donated blood as often as possible.

“I have had many friends, colleagues, and family members undergo surgery and it gives me great comfort to know that they have emergency blood available to them if needed,” said Israel. “I think it’s important for everyone to consider

donating blood since it truly makes a difference. This is so important to me that I am actually disappointed if I am scheduled to be out of town during a BNL blood drive. When that happens, I go to a local New York Blood Center donor site and roll up my sleeve.”

But Israel’s volunteerism doesn’t end there. He is also a double red cell apheresis donor. Apheresis is the process of separating blood into different components: platelets, red blood cells, and plasma. Israel specifically donates red blood cells. “This simple process is an important part of treatment for patients with cancer and other life-threatening medical conditions,” said Israel. “It may sound trite, but giving blood is truly the ultimate gift — the gift of life.” — Jane Koropsak

Blood Drive, 6/16, 17

Blood is always in short supply, and once again, BNL asks generous donors to give blood at a Blood Drive on Wednesday and Thursday, June 16 and 17, 9:30 a.m. – 3 p.m. in the Brookhaven Center. Donors must be 16 to 75 years of age, in good health and weighing over 110 lbs.

Restrictions may apply to some from the UK and Europe. Donors must have a photo ID and know their social security number.

To make an appointment, log on to the Human Resources webpage, click on “Blood Drive,” then “Schedule an Appointment.” Or, call Liz Gilbert, Ext. 2315.

Blood Donors Eligible for Free Raffle Tickets Donated by BNLeer Pagano

Blood donors will be eligible for free raffle tickets for two tickets to a New York Jets vs. Washington Redskins pre-season football game scheduled for August 27, 7 p.m., at the

new Meadowlands Arena, with a parking pass included. These tickets have been generously donated by John Pagano of the Laboratory Protection Division.

Honoring Flag Day: Action Today 6/11

Flag Day, a date set aside by an act of Congress to honor the birth of one of the most precious national symbols of the U.S., falls annually on June 14. One portion of flag etiquette states: “When a flag is so worn that it is no longer fit to serve as a symbol of our country, it should be destroyed in a dignified manner.”

In honor of Flag Day, the Brookhaven Veterans Association will be collecting Ameri-

can flags that are no longer fit to serve as a symbol of the U.S. If you have a flag that falls into this category, bring it to Berkner Hall today, Friday, June 11 between 11 a.m. and 1 p.m. It will be collected for proper disposal.

This announcement gives too short a time for many people who might otherwise have brought in their worn-out flag; in that case, please contact Bill Leonhardt, wjleonhardt@

bnl.gov who will help you to dispose of your flag properly.

The Brookhaven Veterans Association, a BERA organization, is dedicated to serving the interests of BNL veterans and employees who are faced with the challenges of their loved ones currently serving in the military, and to their communities.

For more information, please go to: <http://www.bnl.gov/bera/activities/va/>.

95 TOYOTA COROLLA DX – 134.3K mi. 1.8L/4cyl a/t, w/overdr, a/c, p/s, p/l, p/w, dual air bags, am/fm/cass stereo, anti-theft sym, gd cond. \$2,100 neg. Ext. 5486.

87 5TH WHEEL FLEETWOOD PROWLER – grt cond, lg rr wndw, q/bed, sleeps 6, tires/grt stationary unit. \$3,000 neg. 241-1006.

WHEELS/TIRES – Bridgestone P205/55R16, hubcaps/lug nuts, all new, off ‘08 Civic. Jay, Ext. 4994.

Boats

28’ RINKER 260 FIESTA V – ‘92 clean boat, prof. maint’d, all receipts, sleeps 4, 600 orig hrs, 84 roller load-rite trailer. \$9,250 neg. Frank, Ext. 4320.

26’ WELLCRAFT NOVA SPYDER – ‘87 speedboat, w/twin 350 merc cruisers and tandem trailer, \$4,000 neg. 235-9405.

20’ GRADY WHITE OVERNIGHTER – ‘88, walk-around cuddy cabin w/’95 Evinrude 150 hp Ocean Pro outbrd, ‘06 tandem axle trailer, like new. \$11,000 neg. 848-2482.

Furnishings & Appliances

CHILD/TEEN BUNK+DESK BED – all wood, desk pull out bed lists/\$1659, ask/\$400, pix [http://www.eco-furniture.com/kids-furniture/palisades-west-all-in-one-loft-bunk-bed\\_48823.php](http://www.eco-furniture.com/kids-furniture/palisades-west-all-in-one-loft-bunk-bed_48823.php). 379-0742.

CLOTHES RACK – in chrome w/beige cloth protective cover, w/bottom rack \$24, call for pics, proceeds to charity. Nina, Ext. 5894.

ELECTRIC STOVE – excel cond \$250, white/self-cleaning, proceeds go to charity, [www.hopewww.org](http://www.hopewww.org), pics avail. Nina, Ext. 5894, 475-1297.

ELECTRIC WHEELCHAIR – new, Jet 3 Ultra, 300 lb capacity. Photo avail \$1,000. 821-1271.

FILING CABINET – 2/drawer \$15. 475-1297.

FURNITURE – Ashley Sofa & love seat, oyster white, no smkg/pets, \$300/obo; 4 chr wood fin., round dining table \$75/obo, pics, loc. Middle Island. gmishra@bnl.gov.

FURNITURE – kit table, bookshelves, futon frame \$50/obo. Michael, Ext. 2695.

FUTON – Ikea metal frame, sponge mattress, v clean/ask/\$100; Ikea king sz bed, sprng. mattress, mtchg bedside tble, \$350, pics, loc Middle Isld. gmishra@bnl.gov.

(The ads are continued on the back page of the supplement)





This recent aerial photo of BNL's site shows the significant progress on NSLS-II construction.

## Lab, Union Safety Collaboration — BNL Managers, Union Reps travel to Idaho National Lab for tips



At a safety benchmarking meeting at Idaho National Laboratory are: (from left) David Fry, INL/United Steelworkers Union Safety & Health representative; Phil Pizzo, IBEW Local 2230 Vice President; Lanny Bates, Brookhaven Lab's Assistant Lab Director for Facilities and Operations; John Berry, IBEW Local 2230 Recording Secretary; Frank Raynor, IBEW Local 2230 Secretary/Treasurer; Carol Mascarenas, INL Director of Safety and Occupational Health; and Dave Allshouse, Manager, BNL Labor Relations.

BNL's Assistant Laboratory Director for Facilities and Operations (F&O) Lanny Bates and Labor Relations Manager Dave Allshouse recently travelled to Idaho National Laboratory (INL) with members of the International Brotherhood of Electrical Workers (IBEW) Local 2230 to explore ways that the Lab and the Union can collaborate on safety. On their three-day trip, the group, including Local 2230 officers Phil Pizzo, John Berry and Frank Raynor, took a tour of the Idaho site and met with representatives of the ES&H Department.

"I believe that such a trip with bargaining unit employees is unprecedented," Allshouse said. "Bargaining unit engagement on safety is one of the Blueprint items, and this is the most ambitious undertaking so far on this effort. We discussed valuable safety information, but it also was a great opportunity to talk about the future of BNL in a less structured environment."

Pizzo, who is Vice President of Local Union 2230, observed, "Working safely is nothing new to union labor. Visiting other facilities may help, but there is more to working safely than knowing the safety procedures and applying them to every job. You have to stay focused, and there are a number of obstacles in the way of that goal."

"We can greatly improve safety by working together to eliminate obstacles that prevent employees from staying focused on safety," he said.

A significant part of the Blueprint agenda is the concept of "One Lab — One Team," said Bates. "I believe that a strong and productive labor-management relationship is a critical part of that concept. All employees of F&O share common goals to do safe, challenging, and meaningful work. This trip was a significant step in looking at ideas to enhance our teamwork in a way where clearly 'everyone wins.'"

At INL, Allshouse compared labor relations notes with his management counterparts. About 1,100 union employees work at the site, 800 for

INL/Battelle Energy Alliance directly and another 300 or so with outside contractors, which breaks down roughly as follows:

- In two United Steelworker (USW) contracts with INL, there are about 370 craft, operator and technician employees.
- 90 bus drivers are represented by the Amalgamated Transit Union.
- 95 firefighters are part of the International Association of Firefighters.
- 241 Security employees are represented by an unaffiliated union (Security Operation Specialist Association).
- 15 outside unions represent employees of contractors at the site.

The INL Union Safety Representative and the ES&H staff presented information on the Voluntary Protection Program, a comprehensive safety program. INL's safety numbers over the last ten years show a steady downward trend in incidents.

In the near future, Allshouse and Bates plan to continue their labor relations/safety initiative when they travel with the IBEW representatives to a local IBEW site that has a good labor management relationship on safety.

"In the labor relations world, management and labor frequently disagree on the approach to a wide variety of issues affecting wages, benefits and other conditions of employment," Allshouse said. "One thing that we do not disagree on is this. Every person who comes to the site to work should have a safe experience while here and then be able to return to their homes and families at the end of the day, no worse for wear. Wherever I have worked, I always have viewed that as one of the moral responsibilities that employers, unions and employees share."

— Kay Cordtz

## BNL Hosts Safety Day Next Wednesday, 6/16

Evolving safety performance is a major priority across the Laboratory. As part of building a safety-first culture, BNL invites all to participate in Safety Day on Wednesday, June 16, at Berkner Hall. Any time from 10:30 a.m. to 2:30 p.m., attendees can join in many safety activities, obtain useful information, visit vendors, and win great prizes.

Safety Day is also a way to thank everyone for their safety improvement efforts. All are welcome to visit the tent outside Berkner Hall for free ice cream to help celebrate.

### Hands-on Activities

#### Virtual Driver Interactive

Traffic safety improvement continues to be a priority for the Laboratory. Our new Virtual Driver Interactive (VDI) NDX, a state-of-the-art driving simulator, offers drivers an opportunity to sharpen skills and raise awareness. A trained VDI instructor will provide one-on-one tutorials throughout Safety Day. "Drivers" in the simulator can practice avoiding pedestrians who wander onto the roadway, or other drivers who fail to stop for red lights or stop signs. Studies indicate that practicing what to do in a dangerous situation increases the chance of surviving or avoiding an actual crash.

#### Driving While Intoxicated (DWI) Awareness

Hosted by the Suffolk County Sheriff's Department, participants can don special goggles while steering a cart to simulate driving under the influence of alcohol.

### Lifesaving Demonstrations

Participants will see instructional demonstrations on how to use a fire extinguisher, apply CPR, and use an AED (Automatic Electrical Defibrillator). BNL physical therapist Gary Welch will show safe lifting techniques and stretches. Capital Safety Inc. will demonstrate fall protection in the Berkner parking lot at 11 a.m. and 1 p.m.

### Expert Health and Safety Information

The **Occupational Medicine Clinic** will provide information and enrollment opportunities in smoking cessation and weight loss programs, as well as hypertension screening.

The **Safety and Health Field Services** group will provide information on noise thresholds, home safety, industrial hygiene, mold and mildew, workplace bullying, and hydrofluoric acid first aid kit use.

Experts in **biking, boating, and motorcycling** will be available throughout the event. Representatives from the Coast Guard Auxiliary, Trama Motorcycle Safety, and Rocky Point Cycle will provide expert advice and answer questions. Attendees can bring their bicycle for a free professional safety check.

### Safety Vendors and Merchandise

Vendors will be in Berkner lobby throughout the event with safety-related products and information. Some safety equipment will also be available for purchase. Participating companies are 3 Gals Industrial, Ansell Safety Equipment, Fremont Industrial Corporation, Grainger, Humanscale, Liberty Mutual Insurance, MSC Industrial Supply, and Olympic Glove.

### Win Great Prizes

Attendees can win prizes such as a **digital camera, Mechanix gloves, bicycle helmets and vests, smoke/carbon monoxide (CO) alarms**, and more. By visiting vendors, observing demonstrations, spinning the Safety Wheel, or completing the Safety Day Crossword Puzzle (see back page), participants earn a chance to win these great prizes.

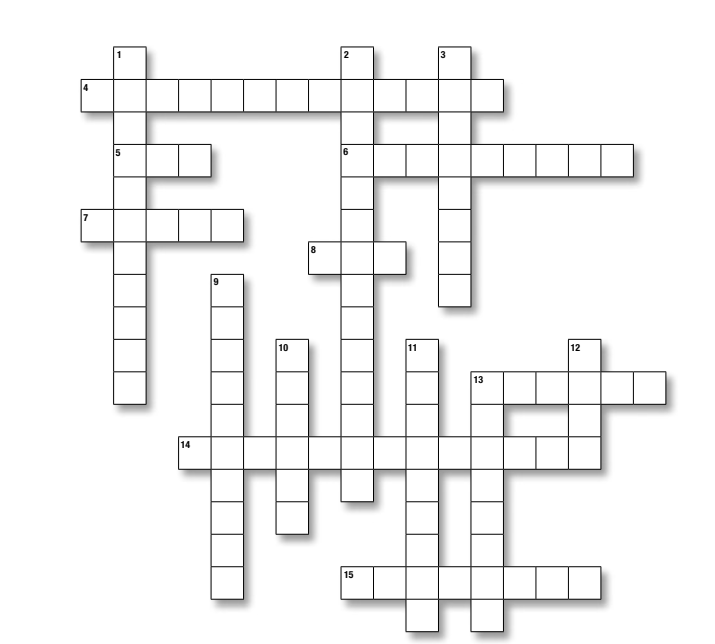


### More about Safety

**Safety makes science possible at BNL. For more information and safety resources, visit BNL's safety intranet site at <http://intranet.bnl.gov/safety/>.**



Safety Day Crossword Puzzle



- Across

  - 4 Eye protection (two words)
  - 5 Used in planning an experiment to identify hazards, plan work controls, and authorize experiments (abbrv)
  - 6 BNL's plan for growth and development
  - 7 Lab-wide Occupation Safety & Health Management Representative
  - 8 An inventory of all chemicals onsite is maintained in this computer based system (abbrv.)
  - 13 This type of site siren signals indoor/building assembly
  - 14 This is at the entrance of every lab and should be read before entering (two words)
  - 15 Can carry Lyme disease
- Down

  - 1 Immediately notified upon discovery of abnormal conditions or occurrence
  - 2 Colorless, odorless, poisonous gas that displaces oxygen in the bloodstream
  - 3 Severity of violation when exceeding speed limit 1-15 mph (two words)
  - 9 Most common route of entry for toxic substance
  - 10 Five minute \_\_\_\_ with appropriate exercise reduces the risk of developing ergonomic injuries
  - 11 Staff who perform hazardous work must be \_\_\_\_ to complete assigned tasks
  - 12 Type of signal used when biking
  - 13. Environmental, Safety, \_\_\_\_, and Health Policy

You may hand in the completed puzzle at the Safety Event in Berkner Hall lobby on June 16, 10:30 a.m.- 2:30 p.m. You may win a prize, and you will get free ice-cream!

Classified Ads (cont'd)

GLIDER ROCKER – maple chair, \$215, gd for relaxation, esp moms-to-be/nursing moms. Laurie, 516-740-8418.  
ROLLATOR WALKER – less than 1 yr old, front basket, folding seat, photo avail., \$65; lift chair, Pride, 2-position, burgundy, great cond, photo avail., \$400. 821-1271.  
SOLID CHERRY FURNITURE – Davis Cabinet Co, dresser w/sep wall mirror,7 English dovetail drawers, photos, \$\$ neg. Ext. 4931.  
TABLE, CHAIRS & CHINA CABINET – light color, some scratches, 6 chrs & china cabinet gd cond, ask/\$150/neg. 516-779-3116.  
TV – 24” RCA combination w/solid oak cabinet 36”x24”x60”, excel cond, make reasonable offer. Maurice, 928-6930.

Audio, Video & Computers

HP LJ 3030 ALL-IN-ONE – delivers fast black & white printing, copying/faxing/color scanning—in a compact design for workgroup application, \$175/obo. 344-2405.  
TWO LINKSYS WRT54G ROUTERS – \$25/ea. Mark, Ext. 3970 or mwahlert@bnl.gov.

Sports, Hobbies & Pets

‘95 COLEMAN POP-UP CAMPER – sleeps 4, basic camper, clean, awning, storage, second owner, \$1300/neg. Leo, Ext. 3823.  
2000 KOUNTRY COMFORT RV T – 36’, custom Ltd Ed Travel Line luxury RV travel trailer, w/d, 2 slide outs, custom cabinets/couches/loveseat, used locally, mint cond, \$9,500. Rick, Ext. 3005.  
89 TERRY CAMPER – 29’ Camper w/master bdrm in front, sleeps 2 w/bunkbeds, kit table, custom Ltd Ed Travel Line luxury RV travel trailer, w/d, 2 slide outs, custom cabinets/couches/loveseat, used locally, mint cond, \$9,500. Rick, Ext. 3005.  
BALL PYTHON SNAKE – 3.5’ healthy ball python snake, 35 gal, tank, heater pad, water bowl, eats frozen medium rats. \$50/all. Stephen, Ext. 2575, 775-9627.  
BUNNIES – presently have 5 avail, call for more info. 827-1416.  
CRESS ELECTRIC KILN – FX-23P- 240 vac, 26 A, Cone 10 (2350 F), octagon 18”d, excel cond, incl shelves/posts/stand/timer & kiln sitter, \$300. 744-7052.  
DP TREADMILL – gd cond, u pic up in Ronkonkoma, \$50. Al, Ext. 7859.  
EXERCISE EQUIPMENT – weights/\$50; benches/\$25; treadmill/ \$100/obo. Ext. 2695.  
HIP AND THIGH MASTER – Body by Jake exercise equip, orig owner, barely used, ask/\$25/obo. Ext. 4931, signorel@bnl.gov.  
PARAGLIDER + HARNESS – Sup’Air X-Alps harness, blue w/a crisp Nova X-Act paraglider blue/small. \$600/obo. Justine, Ext. 2114.  
PETS – beagle puppies 5 females & 2 males AKC reg, all shots, wormed, ready in 6 weeks \$300. joe mondi, Ext. 3499, 219-7241.  
RAZOR SCOOTER – \$35; 16” girl’s purple bike/\$40, both excel; Yashica 35mm camera, built in flash, lther case, \$50. 516-241-4598.

Tools, House & Garden

4ft. 3-STEP PAINTER’S LADDER – 57” bot-tom to top of support bar, w/tool tray. \$25. Linda, Ext. 2733, 395-6784.  
PRESSURE WASHER – Craftsman 2100psi, 2.0 gpm, B&S 5 hp motor, runs/works well, 50’ of pressure hose, wand & multiple tips, \$80. Travis, shrey@bnl.gov.

Miscellaneous

CLOTHING FEST – girls’ clothes, gd cond, 0-7 yrs; petite skirts. For charity. \$3+ per item, some designer; see at Medford. 475-1297.  
GPS SYSTEM JENSEN NVX200 – J3.5” Touch Screen, Portable Navigation GPS Syst, new, \$70/neg, kgong@bnl.gov. Kuanping, Ext. 4675.  
GRACO BABY SWING – \$25, pics avail, proceeds go to charity. Nina, Ext. 5894.  
MOTORCYCLE JACKET – Firstgear Torrent mesh jacket, new w/tags, removable water-proof liner, med, \$75. pics. Rich, Ext. 7294.  
ORIENTAL RUG – 9’x10’, w/pad, excel cond; Stair Master 4000-PT, barley used, pd \$2000;make offers. Maurice, 928-6930.  
POP-UP CAMPER – ‘96 Fleetwood Laredo, manual pop-up roof, in/outdr propne stove, water, elec, ice box, slps 5/6, \$1,000. 413-5012.  
TICKETS – 2 for Eagles featuring Dixie Chics & Keith Urban, 6/10, Giants Stadium sec 133 lwr \$120/ticket. Robert, Ext. 7859, 312-6451.

Yard & Garage Sales

SOUND BEACH – Garage Sale Fri. & Sat., 6/18, 19, 9a – 2p. No Rain Dt. Call if looking for something specific.278-1905/ 821-1271.

Car Pool

PLAINVIEW – established 3-person car pool meeting in Plainview looking for 4th person, 8-4:30. Ron, Ext. 6068.

Community Involvement

BARN SALE, TEMPLE BETH EMETH – Sun. 6/13, 10a-3p, 52 Mt Sinai Av, Mt. Sinai, Household, books, toys, clothing(\$5/bag), records, more, for info, Carol, 744-8632.  
CAR SHOW FUND RAISER – Miller Place/ Mt.Sinai Hist. Soc. car show Sun, 6/13, 9-4 at historic Wm Miller House, N. Country Rd, Raf-fles, music, food, more. \$6. ccarter@bnl.gov.  
Happenings  
CRUISE – 7-Day Cruise, Apr 10, 2011 to Cay-man Islds, Cozumel, Isla Roatan & Belize w/2 days at sea. \$789.72pp dbl occup balcony. Dep req’d. Call for details. Ext. 7465, 399-3098.  
DINNER/SHOW OUTING – Sat, 10/16 to see Joseph, Sight & Sound Theatre, PA. Dinner @ Good n Plenty, \$115pp. teen/child dis-cnts. \$60 deposit due now. 399-3098.  
RITA’S-FIGHT CHILDHOOD CANCER – Visit your neighborhood Rita’s during June, donate \$1. Free sample pack of Mike & lke’s. Find Rita’s near you ritasice.com. Carrie, Ext. 7152.

Farewell Gathering

JOHN TAYLOR – Please join us in wishing John Taylor a wonderful retirement! Thurs-day, June 17, 5 p.m., BBQ, @ The Patio at the Center, \$30pp inc gift, cash bar. Mary, Ext. 3927 or maryc@bnl.gov.

Free

2 TWIN BOX SPRINGS – 2 Tempurpedic, for 2 twin beds or a king bed, from non smkg/ no pet home. Leah, Ext. 3536.  
CAT – Need gd home for indoor cat, spayed, v. friendly, pics avail or contact me to meet her. Bob, 516-805-3178 or bmetz@bnl.gov.  
LAWN MOWER – Murry 8hp riding lawn mower w/bags, runs, needs pulley, belt &new blade. Richard, Ext. 7129, 516-779-3116.  
POOL – 18’ round, incl filter, needs new liner, you dismantle, haul it out. Joann, 413-5012.  
WASHER – Kenmore top-loader, model 110, old but works perfectly, u-pic-up. 744-3902.

Acoustic Bluesman Paul Geremia to Play, 6/18

Acoustic bluesman Paul Geremia will give a concert on Friday, June 18, at 8 p.m. at the Brookhaven Center. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab 16 and older must bring a photo I.D.

In the 1960s, inspired by the folk music boom, Paul Geremia picked up his first harmonica. Soon after, he began learning gui-tar. After leaving agricultural col-lege, he picked up gigs in coffee houses and on college campuses. During these years he crossed paths with people who greatly in-fluenced his career — early blues and folk legends Woody Guthrie, Skip James, Howlin’ Wolf, and



Pink Anderson, to name a few.

Geremia’s harmonica and piano playing, combined with his finger-picking talent on six- and twelve-string guitars and

his husky, soulful voice, have earned him accolades throughout the United States and Europe. Wanting to keep traditional acoustic blues alive, Geremia has never switched to electric. He has recorded 10 solo albums and ap-peared on numerous compilation discs.

Tickets for the concert are \$15 in advance and \$20 the day of the show. Tickets may be purchased at the BERA Store in Berkner Hall, through <http://www.ticketweb.com>, or at the door. Ad-vance ticket purchase is recom-mended. For more information on Paul Geremia, go to <http://www.paulgeremia.org>.

— Jane Koropsak

Young Musicians Fuse Rock, Blues, Jazz at BNL, 6/19

A number of up-and-coming local musicians will get a chance to show their talent at a Young Musician’s Showcase on Saturday, June 19, at 7:30 p.m. in Berkner Hall. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab 16 and older must bring a photo I.D.

Featured artists at this performance will be “The Sheppard Brothers,” “Calico Galaxy,” and “The Well.” The aim of this new musical series at the Laboratory is to offer performance op-portunities to young musicians with exceptional talent at the college, high school and middle school level.

The Sheppard Brothers of William Floyd High School consists of Kenya Sheppard, lead guitar and vocals; Camara Sheppard, keyboards and backup vocals; Ryan McCloskey, drums and backup vocals; and Angelica Franzino, bass and vocals. The band will play a mixture of blues and rock, featuring songs of Jimi Hendrix, Prince, and Led Zeppelin.

Calico Galaxy of Patchogue-Medford High School) consists of twin brothers Nick Rufolo on bass and Mike Rufolo on drums; Josh Smith, currently majoring in music at the City College of New York, on keyboards; Anthony Romano, guitar; Dan Minogue and Jon Greene, both on sax; and Daniel Pessalano, currently studying at Ithaca College School of Music, on vibraphone. The band describes their music as a collision of inspirations include The Edgar Winter Group, Bela Fleck and the Flecktones, Stevie Wonder, Tower Of Power, and Weather Report. For more information on Calico Galaxy go to: <http://www.myspace.com/calicogalaxy>.

The Well (Smithtown HS East and West), a re-cently formed combo, will perform original com-positions of jazz-fusion inspired rock. The band consists of brothers Eddie Bickard on drums and



The Sheppard Brothers is one of three bands that will perform at BNL on June 19.

Alex Bickard on bass and John Romano and Dylan Larese on guitar.

Tickets for this concert are available at the BERA Store, Berkner Hall or [www.ticketweb.com](http://www.ticketweb.com). To pro-mote young talent and provide music at a reason-able cost, the BNL Music Club is offering all tickets for this show for \$5. This performance is appropri-ate for all ages, including children. Advance ticket purchase is recommended. — Jane Koropsak

Wanted

3-4 BDRM HOUSE – w/basement, washer, dryer, dish washer, central air or AC & lge fenced-in yard, nr Lab. Ext. 8593.  
BABY VIDEO MONITOR – used, inexpen-sive, preferably w/ batt pwr option. Ian, blackler@bnl.gov.  
DESK FOR COLLEGE STUDENT – in fair cond. Maryann, Ext. 4705 or mjulian@bnl.gov.  
DONATIONS OF DOG/CAT FOOD – Please help struggling families/elderly keep their pets by donating pet food. Collection bins are in bldgs: 134, 400, 725, 901, 902. Kath-leen, Ext. 3161 or kratto@bnl.gov.  
MINI DV CAMCORDER – seeking working unit that’s not needed so that I can transfer 20+ tapes to digital format. Gary, Ext. 7779.  
BICYCLE RACK, USED – I want the kind w/4-6 straps to be fastened on back of a car. Will pay \$20-\$30. Seyed, Ext. 3120.  
NEW/GENTLY USED CLOTHES – all sizes, children’s books, toys to be donated to 76 families living in a shelter. Laura X4027, lbusemi@bnl.gov. Kathleen, Ext. 3161 or kratto@bnl.gov.  
SPONSORS – For 5k “Walk with Us to Cure Lupus” Sat, 6/12. No donations too small. Go to <http://tinyurl.com/34hxp1z> for details, or contact Phil, Ext. 5669 or harringt@bnl.gov.

For Rent

CENTER MORICHES – 4 bdrm hse, 2 bath, eik, waterfront dock, sweeping view of bay, plus util. \$1,950/mo. 261-7908.  
EAST MEADOW – 2 bdm, upstairs apt, l/r d/r, full bath, pvt ent, no smkg/pets, all util incl, prof single/couple preferred. \$1,400/ mo. Steve, Ext. 4211, 286-3681.

MASTIC – 1 bdrm, eik, full bath, den, own ent/ drway, all incl, 10 min to Lab, no smkg/ pets, 1 mo sec. \$850/mo. 219-7241.  
MASTIC – 1 bdrm apt, kit, l/r combo, full bath, priv ent, quiet area, util incl, nr LIRR, no smkg/pets, walk to shop, 7 min to Lab one mo sec. \$680/mo neg. 335-4907.  
MIDDLE ISLAND – 3 bdrm, 2 bath, eik, d/rm, l/r, den, deck, pool, single carport, 1 acre, extras: elect, gas heat, tv, phone, city water. \$1,900/mo. 917-682-0653.  
MILLER PLACE – Share furn. Col. home, 8 mi. to BNL. Centl a/c. l’net/TV. Full kit. Own bdrm. Fenced b’yard. Deck/grill. 2 bdms. Respsble nm-smkr. \$675/mo. 744-8386.  
PORT JEFF STATION – Col., 3bdrm, 1.5 ba, l/r, d/r, eik, fin. bsmt w/poss. 4th bdrm, w/d, d/w, fenced yd, gas heat, wkly lawn svc, , sec deposit req. \$1,800/mo. 413-5012.  
RIDGE – lg 1 bdrm, spiral staircase, f/p in l/r, eik, util/cable incl, 1/mo sec, 5 mins to Lab, avail July 1. \$1,200/mo neg. Magdalene, Ext. 4720, 775-0828 or mrand@bnl.gov.  
ROCKY POINT – 1 bdrm, 2nd flr, priv drwy, incl some util, no smkg/pets. \$795/mo. 821-3287.  
ROCKY POINT – 2 bdrm house, 1 bath, encl porch, quiet dead end st, no smkg/pets, recently renov, nr. shopping & Lab, Pref single/couple, lease/sec/refs, util extra. \$1,400/mo. hoffman1@bnl.gov.  
ROCKY POINT – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, lndry rm on prem, prkg, no smkg/pets, cac, incl gas/water. \$1,150/mo. 806-5965.  
SHIRLEY – studio apt suit for one semi-fr immed occ, incl util/cable/wireless int, 9 mi fr BNL. \$675/mo. Dan, 655-3731.

SHOREHAM – studio apt, 8 mi from Lab, furn or unfurn, clean and newly painted, full eik, walk-in closet, new bathrm, all util/ca-ble incl, no smkg, plus sec. \$875/mo. Victor, 849-2593.  
WADING RIVER – cute priv 2 bdrm hse w/ bsmt, l/r, kit, stove, refrig, d/w, w/d, v/clean home on a quiet st, no smkg/pet. \$1,300/ mo. Frank, 929-6511.  
KISSIMMEE, FL – 2-bdrm unit, sleeps 8, 15 mins to Disney, also, 1 bdrm unit sleeps 4/\$500; [www.calypscay.com](http://www.calypscay.com) for pics, 2 bdrm unit \$1,000/wk. Nina, Ext. 5894.  
NEW BERN, NC – T/Share, relax at Wa-terwood Townhouses on Lake, 2 bdrms, sleeps 8, full kit, w/d, 7/18-25/10. \$400/wk. Linda, Ext. 3750.

For Sale

FLANDERS – waterfront, deepwater dock, bulk heading, deeded beach rights, newly 3 bdrm, 2 baths/Jacuzzi, two way heating/ac, natural gas, rent to buy possible. \$499,000. Dejan, Ext. 3078.  
MIDDLE ISLAND – 2 bdrm condo, 1.5 up-dated baths, new windows. \$164,900 neg. Kathie, 639-0935.  
ROCKY POINT – 10 rms, 4 bdrms, 3 bath, eik w/granite cntrtops, l/r w/fp & wet bar, d/r, fin bsmt, a/c, 2-car gar, 42x12’ deck, 16x36’igp, lgs, 0.92 acre. \$459,990 neg. 744-7052.  
S. PATCHOGUE – v/lg 3 bdrm ranch, 1 block from Bay, cac, eik, newly renov, l/r, d/r, den, full bsmt on .5 acre. \$339,900 neg. Jim, Ext. 4705, 929-4978 or mjulian@bnl.gov.

There are more ads on pg. 4 of the main Bulletin section.