

Roger Stoudenbough D3840511

## Anže Slosar Honored With DOE Early Career Research Program Award

Anže Slosar, an assistant physicist in the Physics Department, has been chosen to receive a \$2.5 million five-year research grant under the DOE Early Career Research Program. Slosar's research proposal to use a new technique to make a map of the distant universe was one of 65 chosen for funding from 1,150 proposals submitted from researchers at national laboratories and universities across the nation. The DOE program is designed to bolster the nation's scientific workforce by providing support to exceptional researchers during their crucial early years, when many scientists do their most formative work.

"I am thrilled to receive this grant," Slosar said. "It will allow my colleagues and me to use a new technique to study the distant universe in unprecedented detail. We may be able to unravel some long-standing mysteries

of how the universe began and how it is changing from these investigations."

The Office of High Energy Physics within DOE's Office of Science will fund Slosar's research project, titled, "Cosmology with the Lyman-Alpha Forest." Slosar is participating in the Sloan Digital Sky Survey-III (SDSS-III) collaboration, which operates one of the world's largest digital cameras, located in Apache Point, New Mexico. Working on the Baryon Oscillation Spectroscopic Survey, one of four SDSS-III projects, Slosar and collaborators created the largest ever three-dimensional map of the distant universe as it appeared 11 billion years ago.

To make the map, Slosar and colleagues used a new technique known as the "Lyman-Alpha Forest." Instead of mapping the universe by looking at...

See *Anže Slosar* on p. 2

## RHIC/AGS Users' Annual Meeting, 6/20-24

### RHIC & eRHIC Long Range Plan

This year marks the start of the second decade of the Relativistic Heavy Ion Collider (RHIC) program, when major decisions about the future of the field must be made. The Users' Meeting will be dedicated to workshops focused on

the future of RHIC and eRHIC science and the detectors and machine upgrades needed to bring that future about.

Thursday, June 23, will feature plenary talks on experiments from RHIC and the Large Hadron Collider at

CERN, Switzerland, other scientific work going on at BNL of interest to the RHIC community, and perspectives from BNL management and funding agencies. All are invited to this day of talks. For more information, go to: [www.bnl.gov/aum](http://www.bnl.gov/aum).



Roger Stoudenbough D2800511

Participants at the Higgs cross sections workshop held at BNL

## Planning the Best Traps for the Higgs Boson

By Sally Dawson of the Physics Department

Some 70 scientists gathered at BNL May 4 to 6 to attend a workshop on "Higgs Cross Sections for the Large Hadron Collider (LHC)." The workshop was part of an LHC physics working group cosponsored by the two big LHC experiments: the ATLAS collaboration — which includes Brookhaven among its members — and the Compact Muon Solenoid (CMS) collaboration.

The LHC working group — made up of roughly one-third theorists, one-third ATLAS experimentalists, and one-third CMS experimentalists — was formed in January 2010 to understand the theoretical and experimental uncertainties on predictions for the production of the Higgs boson at the LHC at CERN, the European particle physics laboratory in Switzerland. The Higgs is a particle predicted by theory to explain something that has long mysti-

fied physicists: how fundamental particles have mass. Searching for the Higgs, which is the only Standard Model particle that has not been observed in particle physics experiments, is one of the longest, most exciting particle hunts on record.

The Higgs "cross section" is an expression of the probability of the Higgs being created during a collision between a projectile particle and a target particle. Finding the Higgs boson is one of the major goals of the LHC experiments. The LHC Higgs Cross Section Working Group has now met four times: in Freiburg, Germany; at CERN; in Bari, Italy; and now at BNL.

The Brookhaven workshop was organized by Hong Ma and me, along with Ketevi Assamagan, Abid Patwa, and Howard Gordon. Presentations were made by scientists from Fermi National Accelerator Laboratory's Tevatron Higgs experiments so the whole group could learn

from their experience searching for the Higgs boson. The Tevatron was the highest energy particle collider in the world before the LHC came online. The Higgs boson has not yet been observed at the Tevatron but results from those experiments have ruled out some possibilities for its mass, helping to narrow the search. LHC experimentalists also made presentations at the Brookhaven meeting on the status of Higgs searches at LHC, and theorists updated everyone on the status of theoretical predictions.

Each time we meet for these discussions, a clearer picture emerges of how best to capture the Higgs. Established theory already tells us everything about this particle, except for its mass, so the predictions we are making are quite reliable and sophisticated. After a long wait, we expect the Higgs boson to be observed at the LHC within the next several years.

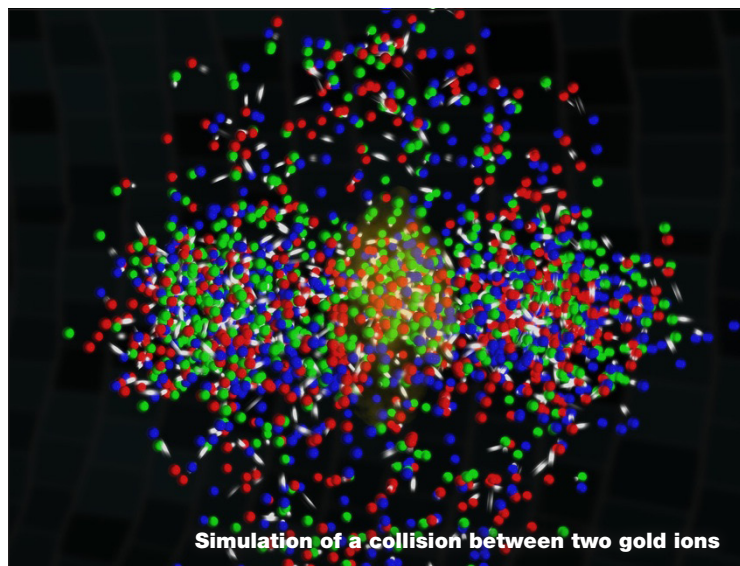
## BNL Wins PR Awards for Physics Outreach Campaign

**Bulldog Awards recognize excellence in media relations and communications**

BNL has won two Bulldog Awards for Excellence in Media and Public Relations for a publicity initiative that brought worldwide media attention to 2010 research results from the Lab's Relativistic Heavy Ion Collider (RHIC). Scientists working at RHIC, one of the world's largest and most scientifically advanced particle colliders, have made a series of major discoveries about the nature of the early universe and the most fundamental constituents of matter.

The campaign — which included a press briefing at a national meeting of the American Physical Society and media tours of RHIC — was planned and executed by members of the Lab's Media & Communications Office with the assistance of public relations consultants from Tartaglia Communications.

"These awards are particularly meaningful, as they are judged strictly by working journalists," said Marge Lynch, Assistant Laboratory Director for Community, Education, Government, and Public Affairs. "They validate not just the leading-edge science



Simulation of a collision between two gold ions

here at the Lab and at RHIC, but the credibility and trust-based relationships our media and communications staff and agency colleagues have with leading science journalists."

The BNL campaign won a Gold award in the "Best Campaign Under \$25,000" category, and a Bronze award in the "Best Not-for-Profit/Association/Government Campaign" category. In

2010, the campaign also won a Bronze Anvil Award of Commendation from the Public Relations Society of America.

According to publisher Bulldog Reporter, which gives the Bulldog Awards, "Winners were chosen from hundreds and hundreds of entries representing the very best strategic and tactical prowess that PR and corporate...

See *PR Awards* on p. 2

## BSA Distinguished Lecture, 6/24

### 'North Korea, Iran, and Syria — Lessons Learned From IAEA Inspections' — Nuclear Safeguards Expert Heinonen to Give Talk

**Panel discussion on current nuclear nonproliferation issues will follow**

Olli Heinonen, a senior fellow at the Belfer Center for Science & International Affairs at Harvard University and former Deputy Director General for Safeguards of the International Atomic Energy Agency (IAEA), will give a BSA



Olli Heinonen

Distinguished Lecture titled "North Korea, Iran, and Syria — Lessons Learned from IAEA Inspections," on Friday, June 24, at 3 p.m. in Berkner Hall. A panel discussion on current issues in international safeguards and nuclear nonproliferation will follow the talk, from 4 to 5:15 p.m.

Both Heinonen's lecture and the panel discussion are scheduled in conjunction with the Brookhaven course "Nuclear Nonproliferation, Safeguards, and Security in the 21st Century."

that manages Brookhaven Lab, to bring topics of general interest before the Laboratory community and the public. The lecture is free and open to the public. Visitors to the Laboratory age 16 and over must bring a photo ID.

Known informally as the "Sherlock Holmes of nuclear detection," Heinonen will discuss the current status of nuclear programs in North Korea, Iran, and Syria. Nuclear verification challenges will be highlighted...

See *Heinonen's Talk* on p. 3

CALENDAR  
OF LABORATORY EVENTS

• The BERA Store in Berkner Hall 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.

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See <http://www.bnl.gov/esol/schedule.asp> for schedule. Jen Lynch, Ext. 4894.

**Mondays & Thursdays: Kickboxing**  
\$5 per class. 12:15–1:15 p.m. in the gym (Bldg. 461). \$5 per class. Ext. 2873.

**Mon., Tues., Thurs., & Fri.: Tai Chi**  
Noon–1 p.m., B’haven Cntr (Bldg. 30), N. Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

**Tues.: Hospitality Welcome Coffee**  
10:30 a.m.–noon. Rec Hall (Bldg. 317). Meet over coffee. Children welcome. Ext. 2873.

**Tuesdays: Zumba**  
Noon–1 p.m., in the gym (Bldg. 461). Registration required, Ext. 2873.

**Tuesdays: Knitting Class**  
2–4 p.m. Rec Hall (Bldg. 317). Learn to knit/crochet — all skill levels. Free. Ext. 2873.

**Tuesdays: Toastmasters**  
Two monthly meetings: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Room 160. Guests and visitors welcome. <http://www.bnl.gov/bera/activities/toastmasters/>.

**Tuesdays & Thursdays: Aerobic Fitness**  
5:15–6:30 p.m. in the Rec. Hall (Bldg. 317). \$5 per class, or 10 classes for \$40. Pat Flood, Ext. 7886 or [flood@bnl.gov](mailto:flood@bnl.gov).

**Tues., Wed., & Thurs.: Rec Hall Activities**  
5:30–9:30 p.m. in Bldg. 317. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

**Tuesday & Thursday: Aqua Aerobics**  
5:30–6:30 p.m., Pool (Bldg. 478). Registration required, Ext. 2873.

**Wednesdays: Ballroom Dance**  
5:15 p.m., 6:15 p.m., and 7:15 p.m. N. Ballroom, Brookhaven Center (Bldg. 30). <http://www.bnl.gov/bera/activities/dance/default.asp>.

**Wednesdays: Pilates**  
5:30–6:30 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

**Wednesdays: Play Group**  
10 a.m.–noon. Meet at Rec Hall (Bldg. 317). Parents meet while infants/toddlers play. For events, see <http://www.meetup.com/BNL-Playgroup/>, or call Ext. 2873.

**Wednesdays: Yoga**  
Noon–1 p.m., B’haven Center (Bldg. 30). Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov).

**1st Wednesday of month: LabVIEW**  
1:30–3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304, or Terry Stratoudakis, (347) 228-7379.

**Thursdays: BNL Cycletrons Club**  
5 p.m., Brookhaven Center. First Thurs. of month. Andy Mingino, Ext. 5786.

**Thursdays: Reiki Healing Class**  
Noon–1 p.m., Call for location. Nicole Bernholz, Ext. 2027.

**Thursdays: Postdoc Social Night**  
6:30 p.m. ASAP Lounge (Bldg. 462). [www.bnl.gov/asap](http://www.bnl.gov/asap).

**Thursday: Judo Class**  
7:30 p.m. Gym (Bldg. 461). Tom Baldwin, Ext. 4556.

**Fridays: Family Swim Night**  
5–8 p.m. Pool (Bldg. 478). \$5/family. Ext. 2873.

BNL Amateur Radio  
Club Field Day, 6/25-26

The BERA Amateur Radio Club will host its annual Field Day Exercise on June 25-26 at the BNL Gazebo, for 24 hours, from 2 p.m. on Saturday 25 until 2 p.m. Sunday 26.

In times of disaster or emergency, sometimes the only means of communication is through radio wireless. Each year, Amateur Radio clubs around the world attempt to make contact with as many other stations as possible under rugged field conditions (battery and generator operation, Morse code, and minimal power radios).

All are welcome to visit the Gazebo area to view the club’s emergency operation configuration. Refreshments will be available. This is a fun event, geared toward educating those who would like to know more about this intriguing hobby. See also [www.bnl.gov/bera/activities/arc/](http://www.bnl.gov/bera/activities/arc/).

Anže Slosar from p. 1

...light-emitting galaxies, the researchers observed quasars, the brightest objects in the universe — bright enough to be seen billions of light years from Earth. As light from a quasar travels to Earth, it passes through clouds of hydrogen gas that absorb light at specific wavelengths, which depend on the distances to the clouds. The researchers can determine the structures of the early universe by measuring the shadows that the hydrogen casts on the spectra of quasars. The patchy absorption of light creates an irregular pattern in the spectroscopic data that resembles trees in a forest.

So far, Slosar and his collaborators have looked at 14,000 quasars; the plan for the research project is to analyze 150,000, which would enable the researchers to measure dark energy, the mysterious force that is thought to have accelerated the expansion of the universe. Also, the researchers hope to learn more about neutrinos, ghostlike particles produced in nuclear reactions that power the sun; and cosmic inflation, a period seconds after the Big Bang when the universe is thought to have expanded rapidly.

Slosar received a B.A. in natural sciences in 2000, and a Ph.D. in astrophysics in 2003 from Cambridge University. From 2004 to 2006, he was a postdoctoral fellow at the University of Ljubljana, Slovenia, followed by a one-year stint at Oxford University. He then came to the U.S. in 2007 to become an inaugural fellow at the Berkeley Center for Cosmological Physics, a joint venture of the University of California at Berkeley and Lawrence Berkeley National Laboratory. He joined BNL as an assistant physicist in 2009. — Diane Greenberg

Arrivals & Departures

— Arrivals —

Walter Czekaj.....S&H Svcs  
Jonathan Fitzsimmons..... C-AD  
Jungdae Kim..... Photon Scis  
Muhammad Parvaz ..... Medical  
William Valet ..... Photon Scis

— Departures —

Viktor Kilchyk..... Comp Sci  
Svitlana Mazurkova ..... Physics

PR Awards from p. 1

...communications has to offer. Campaigns were judged by dozens of working journalists, who assessed them on the basis of their ability to achieve extraordinary visibility and influence opinion, as well as on their creativity, command of media and technology, and tenacity.”

In the award-winning campaign, BNL and its communications counsel developed and executed a strategy to announce two major results related to RHIC scientists’ quest for the primordial matter known as quark-gluon plasma (QGP) through RHIC’s high-speed collisions of heavy ions. Scientists believe such a quark-gluon plasma filled the early universe some 14 billion years ago, before ordinary constituents of matter such as protons and neutrons — let alone stars, planets, and galaxies — ever formed.

The first new finding was that collisions at RHIC had created



Roger Stoutenburgh D1790611

The largest group of summer interns in Brookhaven Lab’s history, approximately 250 interns, will participate in summer science research programs between now and August 12.

Summer Interns Arrive at BNL



Watch a video of keynote speaker Melody Bell’s talk:  
<http://real.bnl.gov/ramgen/bnl/2011/06/Melody.rm>

With school out for summer, about 250 participants from universities across the country arrived at Brookhaven Lab on Monday, June 6, to begin their 10-week summer science research programs.

“This is a very select group. The fact that you’re here means you have the right attitude and are ready to do science — and there’s nowhere better to do science than at Brookhaven National Laboratory,” said Ken White, manager of the Lab’s Office of Educational Programs (OEP), as he welcomed the incoming undergraduate, graduate and faculty participants during the opening ceremony in Berkner Hall.

The summer guests were also welcomed by BNL’s Deputy Director for Operations Mike Bebon and DOE Brookhaven Site Office Communications Director John Carter.

“Brookhaven National Laboratory truly is a place where the future is invented every day. I hope you’re as excited to be here as I am to have you here working with us,” Bebon said.

“When you’re at Brookhaven National Laboratory, you’re at one of the best labs among some of the most accomplished scientists and engineers in the world, so respect, embrace, and enjoy it,” said Carter.

Keynote speaker Melody Bell, Director of Program Execution Support for the Office of Energy Efficiency and Renewable Energy at DOE, then spoke of the importance of the guests’ work in the science, technology, math, and engineering fields.

“We are looking to the future. We are looking at discovery. We need transformational science and research and development —

and innovation is the critical key component that you get here at Brookhaven National Laboratory,” she said.

More than 1,300 applied for approximately 250 available internships — once again, OEP’s largest group of summer interns. The interns who were selected will participate in five different DOE programs: the Community College Institute (CCI), Faculty and Student Teams (FaST), Graduate Research Internship Program (GRIP), Pre-Service Teacher program (PST), and Science Undergraduate Laboratory Internship (SULI). In addition, several Dowling College students will participate in the Minority Teacher Development and Training program.

Students participating in this year’s summer program include members of several special groups such as Stony Brook University’s Women in Science and Engineering, and students sponsored by the Semiconductor Research Corporation. Under a memorandum of understanding between DOE and the National Science Foundation and through other memorandums of understanding, OEP has joined with other universities — such as the City University of New York — to bring in additional students to participate in the summer programs.

Between now and August 12, participants will work with their BNL mentors in nearly every area of the Lab’s scientific community, including at major facilities such as the National Synchrotron Light Source, the Relativistic Heavy Ion Collider and the Center for Functional Nanomaterials, and in departments such as Chem-

istry, Environmental Science, Instrumentation, Nuclear Non-proliferation, Physics, and Waste Management.

“While most of our summer students have excellent coursework preparation, they lack the experience of working in a laboratory setting such as BNL,” said OEP Program Administrator Mel Morris. “This internship experience allows students to make more informed decisions as to their future academic and career choices. We are also fortunate to have staff members who realize the importance of working with young students to help prepare the scientific and technical workforce of the future.”

Fellow Program Administrator Noel Blackburn agreed with Morris and said, “For some of the interns, this is their first experience at a national lab, and we provide a great environment to encourage students in the fields of science, technology, engineering, and math. When we speak with our interns, they tell us much more often than not that our summer programs had a significant impact on their academic choices. This is, in part, due to our very dedicated mentors who make this experience a time to remember for these interns.”

A second group of summer program participants, including middle and high school students and teachers, are expected to arrive at the Lab later this month. Throughout the summer, OEP staff at the Science Learning Center will host elementary and middle school students involved in various camps and programs, including the Lab’s summer camp for employees’ children. — Joe Gettler

New York chapter of the National Association of Science Writers.

These strategies generated in-depth coverage of the RHIC discoveries in more than 400 major news outlets worldwide, and resultant global visibility for RHIC’s leading-edge science. Social media engagement further expanded the campaign’s reach through tens of thousands of Twitter retweets and YouTube viewings of a RHIC animation prepared specifically for the announcement.

In 2005, RHIC scientists had made major news by announcing that the primordial matter created at RHIC was a “perfect liquid,” rather than the expected gas, surprising the scientific community and challenging notions about the nature of the early universe. The BNL communications team hoped to bring journalists’ attention to the new, equally important discoveries by building on that earlier interest.

“In these times of ever-

increasing pressures on federal budgets, it is critical to convey to the tax-paying public, in clear and compelling ways, the wonder and the relevance of the sometimes complex science we do with their support,” said Steven Vigdor, Associate Lab Director for Nuclear & Particle Physics, who oversees the research program at RHIC.

“Brookhaven’s Media & Communications Office has been fantastic in working with the detail-oriented RHIC scientists to communicate the big picture effectively,” continued Vigdor. “The enthusiastic international media response to the 2010 RHIC press event far exceeded my most optimistic expectations.”

Research at RHIC is funded primarily by DOE’s Office of Science and by various national and international collaborating institutions, with support from many funding agencies.

— Karen McNulty Walsh

# Science-based Murder Mystery Draws Community to BNL

Rumbles of thunder and pouring rain set an appropriate scene on June 9 for a science café focused on fact, fiction, and murder. About 60 community members, employees, and students came to Brookhaven for the evening event, which featured crime novelist Archer Mayor and forensic work based on synchrotron light presented by three Photon Sciences researchers.

Mayor, a death investigator for the Vermont State Medical Examiner's Office and a deputy for the Windham County Sheriff's Department, has written 21 books surrounding the life of fictional detective Joe Gunther. In the latest installment, *Red Herring*, Gunther is puzzled by the discovery of single drops of blood found at the scene of three seemingly unrelated murders.

When conventional forensics lead to a dead end, Gunther takes the evidence to Brookhaven's National Synchrotron Light Source (NSLS), where scientific analysis powered by bright beams of x-rays give him the information he needs to snag the killer.

Mayor read key NSLS-related excerpts from the book and answered questions about his style of writing, the role of science in the story, and his journey to Brookhaven's gates. He had first heard about the Lab from a friend employed there and toured the campus with biolo-



Archer Mayor, center, with event organizers and BNL summer students at a brown bag lunch on June 10.

gist Wally Mangel and numerous other BNL employees.

Mayor was joined on stage by Photon Sciences researchers Lisa Miller and Eric Dooryhee and University of Chicago scientist Tony Lanzirotti, each of whom presented a real-life forensic case that was solved using light source technology. Miller, a biophysical chemist, detailed her group's research on the chemical makeup of children's fingerprints, which disappear from surfaces much faster than those of adults. Lanzirotti, a geochemist, showed how scientists analyzed 500-year-old strands of hair from Italian royals to look for signs of mercury poisoning. And Dooryhee, who's leading the development of the x-ray powder diffraction beamline at the National Synchrotron Light

Source II (NSLS-II), explained how scientists determined how a man whose 5,000-year-old body was found preserved in the Alps had died.

An encore of the event was presented on June 11 at the Borders bookstore in Stony Brook. In addition, Mayor spoke with about 40 of BNL's summer students at a brown bag lunch on June 10.

### Scientific Inspiration

To conduct research for *Red Herring*, novelist Archer Mayor visited BNL in 2010, talking to scientists and getting a feel for the Laboratory. He left with a lot more than background information. Brookhaven readers might find a familiar character in one of *Red Herring's* fictional scientists, Eric Marine, "a white-

haired bespectacled man with a face whose every feature mirrored the motion of his mouth." That's because Marine was inspired by BNL biologist Wally Mangel, who guided Mayor through much of the Lab's science. In his efforts to explain the NSLS to Mayor, Mangel even composed the following haiku, which appeared in the book:

Synchrotron Radiation  
A sun factory  
One eight six K electrons  
delta momenta

Meaning: synchrotron radiation, which is brighter than the sun, is produced when there is a change (delta) in momentum (the Latin plural is momenta) of the electrons, which zip around the synchrotron ring at the speed of light – 186,000 miles per second. — Kendra Snyder

### Heinonen's Talk from p. 1

...and Heinonen will present the lessons learned from IAEA nuclear inspections in these locations, about which concern over nuclear proliferation has been on the upswing. He will discuss what he believes will be the future of nuclear programs in the three countries, whether the IAEA has adequate inspection authorities to control nuclear proliferation, and whether new instruments or tools are required for inspections.

Heinonen worked for the IAEA for 27 years, joining the U.N. nuclear watchdog organization in 1983, and becoming an IAEA deputy director general and head of its Department of Safeguards. He led the IAEA's efforts to identify and dismantle nuclear proliferation networks, and he oversaw the organization's work to monitor and contain Iran's nuclear program. Heinonen led teams of international investigators to inspect nuclear programs around the world, including nuclear facilities in South Africa, Iraq, North Korea, Syria, and Libya, among other countries, to ensure that nuclear materials were not diverted to weapons programs.

A native of Finland, Heinonen

earned a Ph.D. in nuclear material analysis from the University of Helsinki. Before he joined the IAEA, he was a senior research officer at the Technical Research Centre of the Finland Reactor Laboratory, in charge of research and development related to nuclear waste solidification and disposal. He is coauthor of several patents on radioactive waste solidification. He joined Harvard's Belfer Center in 2010.

Following his lecture, Heinonen will be one of the panelists in the discussion of current issues on nuclear nonproliferation and international safeguards. Also included on the panel will be Ambassador Kenneth C. Brill, former U.S. Ambassador to the IAEA, founding director of the National Counterproliferation Center, and current president/CEO of The Fund for Peace; and Ambassador Norman A. Wulf, retired, former deputy assistant secretary of state for nonproliferation and special representative of the president for nuclear nonproliferation. Michael D. Rosenthal, a scientist in BNL's Nonproliferation & National Security Department, will moderate the discussion.

— Diane Greenberg



### Another Summer Arrival

The Greater Yellowlegs (*Tringa melanoleuca*) Sandpiper, spotted here on site, is typically seen on Long Island throughout the summer.

**Notice to All Former EBS-RMSCO Participants**

Anyone who was enrolled in the EBS-RMSCO Dental program in 2010 must submit any claims not previously submitted for processing to EBS-RMSCO no later than June 30, 2011. Any claims submitted after June 30, 2011 will not be processed by EBS-RMSCO nor will they be processed or reimbursed by the new Delta Dental plans and will not receive any reimbursement for which you may be entitled.

Please visit the Benefits Office website at [http://www.bnl.gov/hr/Benefits/dental/linkablefiles/EBS\\_Clmlns.pdf](http://www.bnl.gov/hr/Benefits/dental/linkablefiles/EBS_Clmlns.pdf) for instructions on how to file claims.

## Thinking About Retirement?

### Noon talk on preparing for retirement, 6/23

After a lifetime of work, it may be hard to imagine what the next chapter of life, titled "Retirement," might look like. Creating a satisfying retirement can begin now, while you are still in the pre-retirement phase. However, you probably need to do a little self-reflection as you define your vision by answering some questions: How do I want to structure my day? What skills or special talents do I possess that I can share with others? Who do I want to be in my retirement?

Answering these questions may seem daunting now. The BNL Employee Assistance Program, in collaboration with Magellan Health Services, is offering a lunchtime talk to help on Thursday, June 23, at noon in Berkner B. Join us to hear speaker Jude Treder-Wolff's thoughts on "Preparing Emotionally for Retirement." To register, email [nlosinno@bnl.gov](mailto:nlosinno@bnl.gov). Seating is limited, so registration is required.

## Register Your Child, Grandchild for BNL's Three-Day Summer Science Program

BNL employees are invited to register their children for the 2011 Summer Science Explorations Program, which is a free offering from the Science Learning Center (SLC). The three-day summer camp will be held Tuesday through Thursday, from 8:30 to 11:30 a.m. for students entering grades 4 through 6. During the first two days of camp, students will investigate energy transfer through hands-on activities. On the third day, camp culminates at Weaver Pond for a day of environmental exploration.

This educational program centers on research conducted at the Lab. In addition to SLC science educators, the children are mentored by pre-service teacher interns. The weeks of July 12-14 and August 16-18 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 (Ext. 4495). Students must attend all three days and the parents of participating children are welcome to attend.

## BNL Cycletrons Motorcycle Club Celebrates Annual Ride-to-Work Day, 6/20

The BNL motorcycle club, the Cycletrons, will celebrate the annual Ride-to-Work Day on June 20 with a pizza lunch at the gazebo near the Lab's softball fields. The lunch is free for members and costs five dollars for guests. A ride on the East End may follow. RSVP today, June 17, with John McCaffrey, Ext. 8162 or [mccaffrey@bnl.gov](mailto:mccaffrey@bnl.gov).

### CALENDAR

**Today, Friday, 6/17**

**'In Search of Free Heat' Seminar**  
11 a.m. Berkner Hall, Room B. Sponsored by Brookhaven-Sphere, Lin-Shu Wang, Stony Brook University, will lead a discussion on the way to upgrade heat into free heat. All are welcome. See [https://brookhavensphere.bnl.gov/wiki/index.php/SEMINAR:\\_In\\_search\\_of\\_free\\_heat](https://brookhavensphere.bnl.gov/wiki/index.php/SEMINAR:_In_search_of_free_heat).

**\*Employee Lunchtime Tour**  
Noon. Berkner Hall lobby. Meet the group to be taken to see BNL's Water Treatment Plant and learn how the Lab's water is treated. Return to Berkner by 1 p.m. All are welcome. See notice below.

**— WEEK OF 6/20 —**

**Mon-Fri, 6/20-24**

**\*RHIC/AGS Annual Users' Meeting**  
See p.1 and [www.bnl.gov/aum](http://www.bnl.gov/aum).

**\*BNL Cycletrons Lunch**  
Noon. Gazebo near softball fields. See notice below, left.

**Thursday, 6/23**

**RHIC/AGS Annual Users' Meeting**  
8:30 a.m.-5 p.m. Berkner Hall. All are invited to the plenary talks on experiments from RHIC, the Large Hadron Collider in Switzerland, other scientific work at BNL of interest to the RHIC community, and perspectives from BNL management and funding agencies. For the agenda, see [www.bnl.gov/aum](http://www.bnl.gov/aum).

**\*Talk on Preparing for Retirement**  
Noon. Berkner Hall, Room B. Sponsored by the BNL Employee Assistance Program and Magellan Health Services, Jude Treder-Wolffe will talk on "Preparing Emotionally for Retirement." All are welcome. See notice below, left.

**Friday, 6/24**

**\*BSA Distinguished Lecture**  
3 p.m. Berkner Hall. Olli Heinonen, Harvard University, will talk on "North Korea, Iran, and Syria — Lessons Learned from IAEA Inspections." A panel discussion on current issues will follow, 4-5:15 p.m. All are welcome to this free event, open to the public. Visitors to the Lab of 16 and older must carry a photo ID. See p.1.

**Sat.-Sun., 6/25-26**

**\*Amateur Radio Club Field Day**  
2 p.m., 6/25-2 p.m. 6/26. Gazebo near ball fields. All the Lab community is welcome to attend the BERA Amateur Radio Club's annual field exercise and learn about communications in times of disaster and emergency. See notice, p.2.

**— WEEK OF 6/27 —**

**Monday, 6/27**

**IBEW Meeting**  
6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

**Wednesday 6/29**

**BSA Noon Recital: Pianofest**  
Noon. Berkner Hall. Star pianists will perform. All are welcome to this free public event, sponsored by Brookhaven Science Associates. Visitors to the Lab of 16 and older must carry a photo ID.

## Employee Lunchtime Tour: Water Treatment Plant at BNL — Today, 6/17

Today, June 17, the Employee Lunchtime Tour will visit BNL's Water Treatment Plant to see how the Lab ensures its supply of clean, delicious water. Meet at noon in the upper lobby of Berkner Hall to start this interesting tour, and return to Berkner by 1 p.m. No reservations are required.

# HR Reminders Involving Jobs

• **Attracting Top Talent With the Employee Referral Award Program (ERAP)**

• **Sign Up to Receive New Job E-Mail Notifications**

## What Is ERAP, Again?

The Employee Referral Award Program (ERAP) is growing in participation — and success. What is ERAP? When you, as a BNL employee, refer a job-seeker (a colleague, friend or family member) for a position designated eligible for an ERAP award, if the recommended person is hired, you — the employee — receive an award of \$500 or \$1,000 (contingent upon non-exempt or exempt level roles). Your referral of the applicant is captured when the candidate applies online (so remind your referrals to include your name and your email address when prompted). Several employees have recently earned some extra cash for themselves and helped BNL by identifying suitable new talent to join BNL.

BNL's Human Resources believes that Lab employees are a superior method of sourcing new employees! For examples of ERAP's success, you can read more about Lab employees who have been hired through this resource and others who received an ERAP award: [www.bnl.gov/today/story.asp?ITEM\\_NO=1960](http://www.bnl.gov/today/story.asp?ITEM_NO=1960).

## Email Notifications on Jobs

In addition, the BNL "Careers" website allows prospective internal and external candidates to log onto the Human Resources career site, [www.bnl.gov/hr/careers](http://www.bnl.gov/hr/careers), to receive notifications of new positions, simply by clicking: "Send me email notifications on jobs." Signing up for this service allows employees and outside job candidates to receive automatic alerts each time a new position is posted in their selected areas of interest. The email contains a full description of the position(s), including whether or not the position is ERAP Eligible — with a direct link to the application page for the specific opportunity.

## 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/).

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.

**TOWER LINE PERSON** - Under minimum supervision installs, repairs, and maintains overhead and underground electrical distribution lines, systems, equipment, controls and related devices, ordinarily of 2300 volts and over. Duties include rigging, electrical and mechanical work incidental to the installation, maintenance, and repair of equipment, wires, lines, instruments, and fabricated metal on structures such as meteorology towers, pile stack and water tower. Will otherwise perform duties of Electrician A. Energy & Utilities Division. Please apply to Job ID #15805.

**INSULATION WORKER** - Under general supervision, performs installation and removal of insulation and protective coverings about piping, ductwork, fixtures, and devices as required. Performs limited removal, cleanup and disposal of asbestos insulation in accordance with applicable environmental control standards pursuant to laws and regulations governing BNL. Will be trained and must be certified as asbestos abatement worker to standards as adopted for such work by NY State. Please apply to Job ID #15804.

### Motor Vehicles & Supplies

07 FORD ESCAPE LTD 4WD - 63.233K mi. m/roof, prem. sound sys, moving sale. \$14,800 neg. Ext. 4386, 404-889-7314.  
04 HONDA CR-V LX - 125K mi. 2.4L I4 VTEC eng, awd, 4 whl abs, cd, p/w/d/l, p/mirrors, heated drvr st. \$7,900 neg. Ext. 7277.  
03 DODGE DURANGO SXT - 4x4, 4.7 a/t, grey, lthr, 3rd row, loaded, BFG all terr:tires, a/t start, tint, alarm, more. \$8,900. 220-2302.  
02 KAWASAKI VULCAN 1500 CLASSIC FI - 11K mi. Red/Silver-Fuel injctd w/pwr commnder, loaded, \$5,000 firm. askinazi@bnl.gov.  
00 MERCURY SABLE LS WAGON - 173.5K mi. leather, a/c, abs, all pwr, 3rd row seat, clean, orig owner. \$3,000 neg. Ext. 2682.  
92 NISSAN STANZA - 175K mi. runs well, exterior in gd shape, no mechanical problems. \$750. Bob, Ext. 8440, 831-4647.

69 VW SANDRAIL & BEETLE - Beetle running, 2 other engs, mny new parts, needs completion. \$2,000 neg. 816-3554.  
RIMS WITH TIRES - 4/17" Cobra Rims M-1007-G178, v/gd cond w/245 40" tires, 1 yr old, \$700. Ext. 3217.

### Boats

23' ODAY 1974, 23 CONVERTABLE C/B - usal access. w/9.9 O/B, Pulpit, Pushpit, Lifelines PFD's, much more, \$2,300 neg. Ext. 5055.  
22' PENN YAN 215 TEMPEST - Cuddy cab-in w/hard top, '04 mercruiser 4.3 vortek, in/outboard, more. \$5,900 neg. 503-7690.  
19' 1986 BAYLINER CAPRI - incl Trailer! '98 Merc. Force, 120 hp eng, 1w hrs, upholstery redone, pics. \$2,700 neg. 804-2438.

### Furnishings & Appliances

AIR CONDITIONER - EdgeStar, 14,000 Btu, prtble, brnd new in box, top of the line, Model AP14001HS, \$400. 718-838-0082.  
ARMOIRE - \$400, like new, mirror panel, curved drs, lacquered, inlaid wood, drawers, 5'X2'X8'. 246-9294, rossum@bnl.gov.  
CHILDREN'S FURNITURE - IKEA, dressers/\$20/ea, Cabinet/\$20, Wardrobe/\$40, gd cond. Milind, Ext. 3327, 830-5762.  
COOLER - Hot/Cold Thermoelectric Cooler, 40 qt capacity/\$50, 878-2425.  
FRIEDRICH AIR CONDITIONER - 2100 Btu Wall unit, cannot go in a window. 230 volt unit, great shape. Jack, Ext. 7939.  
GE FREEZER - upright, modl CAF16D-MCRWH 15.7 cu ft, 63"h, 34"w, 26"d, works well, 1/damaged ft, \$75. broadbent@bnl.gov.  
KITCHEN TABLE & CHAIRS - Lt Maple w/leaf, 4 spindleback chrs, 60"x36", xcell cond, \$300. 678-3299, dgordon@bnl.gov.  
MAYTAG AIR CONDITIONER - \$40 used gd cond model M7X05F2A-D 5200 Btu/s window unit w/rem., 12.5x15.5x18.5. Ext. 7443.  
REFRIGERATOR - GE 20.6 cu. ft, refrig/freezer, white, excel cond, \$225. 208-0009.  
SOFA - w/bed \$50; Birch dining table/\$100. Ext. 3327, 830-5762, diwan@bnl.gov.  
TRAVEL SYSTEM, FOOTBALL TABLE - Quattro Tour® syst, used less than yr, GC, ask/\$120; ftbl tbl 4 in 1, \$20; 974-4851.  
WALL UNIT - 4 pc, orig/\$1000, ask/\$350; white dresser ask/\$20, all gd cond. 974-4851.

### Audio, Video & Computers

BLACKBERRY 8330 VERIZON - No Contract, clean ESN.w/manuals, desktop software, more. \$50. brookhaven@optonline.net.  
KENWOOD HOME STEREO SYSTEM - w/receiver, CD Player, tuner, dual cass deck & 2 spkrs, \$100. 678-3299.  
ROOCASE - Executive e-Book case, genuine leather/storage flap/magnetic closure, in box, unused/\$25. Ext. 2716, 878-2425.  
SCANNER - Visioneer One Touch USB, works well, have manual & driver disc, \$25. Bernie, Ext. 2017 or bkosciuk@bnl.gov.  
TUBE TV'S - 36" RCA/\$50, 20"/\$20, 13" Sony/\$15, 13"/RCA \$10. Mark, Ext. 3970.  
TV \$40 - Sylvania 20" tube TV w/built-in VHS/VCR, orig remote, audio/video/earphone jacks. brookhaven@optonline.net.

### Sports, Hobbies & Pets

'07 YAMAHA QUAD - 5 spd, low hrs, Fuel inj, blk, excel cond, elect start, ask/\$4500. Rich, Ext. 4520 or doulous@bnl.gov.  
2003 YAMAHA ROADSTAR 1600 - Mocha sparkle, Hypercharger, Vance & Hines exhaust, much more. ask/\$5300. 872-5074.  
4-BIKE HITCH MOUNT RACK - XPort/\$100, Hallex Electr. Dartbrd w/LCD scoring, never used, still in box/\$20. 878-2425.



Lab Director Sam Aronson and a group of summer students take their turns on the driving simulator.

## Safety Day Brings BNL Together to Learn About Safety

Safety Day 2011, June 8, featured safety vendors demonstrating products and safety systems, including a DUI driving test operated by the Suffolk County Sheriff's Department, and a smokehouse in Berkner parking lot operated by the BNL Fire Rescue Group to simulate conditions in a burning building. Berkner Hall was filled with scientists, support staff, and summer students who took the opportunity to learn about Lab safety and get health screenings — and, just outside the door, an ice-cream treat!

Safety Day 2011 prize winners were: Summer Student Jovan Kamcev - LED Lamp; Photon Sciences' Nancye Wright - Wheelbarrow; Site Resources Divi-

sion's Tom Baldwin - BERA Certificate; Finance's Mark Israel - Kindle; Environmental Restoration's Peter Pohlot - Gardening Set; Laboratory Protection Division's Jeffrey Miranda - Smoke/Carbon Monoxide (CO) Alarm; Procurement & Property Management Division's Joann Reed - Smoke/CO Alarm; Energy & Utilities' Mark Sabat - Smoke/CO Alarm; and Chemistry's Marie Thomas - Smoke/CO Alarm.

The four safety seminars on Laceration Prevention, Materials Handling, Fall Prevention, and Lock-Out/Tag-Out issues are available for viewing on the Safety Day 2011 web page at <http://intranet.bnl.gov/safety/>. — Will Safer

50 GALLON AQUARIUM W/CABINET - Fluval filter, wood cabinet, extras ask/\$175. Richard, Ext. 5684, 872-5074.  
BIKE - girls, \$20; Eversaucer, car, vibrates & makes sounds, \$20. 878-2425.  
BIKE CARRIER - Thule 968 Thruway, 2 Bike capacity, trunk mounted, \$45. Stuart, Ext. 2851 or swilkens@bnl.gov.  
BOWFLEX MOTIVATOR - W/lat pulldown & leg ext, excel cond, \$425. 878-1303.  
ELECTRIC GUITAR - Epiphone Special II Ebony, autographed by Joe Bonamassa, \$250. 878-1303.  
MEN'S IRONS - 3-P, Vectra, senior-flex, graphite shaft, gd for beginner, gd cond, \$35. Bob or Sharon, 929-4270.  
POLARIS 360 POOL CLEANER - for igp, bought 2010, excel cond, only needs new filter bag, \$150, pic avail. 516-241-4598.  
RC CARS - Assorted nitro cars and parts, remotes, fuel, etc. \$50 takes it all. Mark, Ext. 3970 or mwahlert@bnl.gov.  
TREADMILL - DP Fit for Life, Bionix TM Programmable, spd, distance, calories display, a/t pwr, gd cond, \$95. 878-1303.  
TREADMILL - Sears Proform 745CS, excel cond, folds up for storage/\$250. 678-3299 or dgordon@bnl.gov.  
UNIVERSAL GYM MACHINE - Sears/\$100, compact size. 246-9294 or rossum@bnl.gov.  
WET SUIT - adult sm, 7 mil oceanic, only used twice \$100. 289-9727.

### Tools, House & Garden

DR POWER DUMP WAGON - gas, w/seat, carries 800lbs, 4spd w/ rev, elec & pull start, needs batt, Jeffrey, Ext. 8162, 816-3554.  
MILITARY GENERATOR ON TRAILER - 5kw, 110v & 220v, needs batt for elect start, pull works fine, 816-3554.  
PATIO UMBRELLA & STAND - red floral, some fading w/crank, tile & black cast iron stand, \$50/both. Ext. 2733, 395-6784.  
PERENNIALS - Hosta, Iris, Cone Flower, Liatris, Hydrangea, will deliver to BNL. Beth, 905-8222.  
STEP 2 RUBBERMAID GARDEN CART - \$40. Ext. 2716, 878-2425 or storan@bnl.gov.  
WINE PRESS - \$100 antique, 1900, wine press, fully functional as well as decorative. 246-9294 or rossum@bnl.gov.

### Lost

BRACELET LOST - black beaded. 281-4459.

### Free

UNION VOTING BALLET - Voting ballots were mailed on May 24, 2011, for the upcoming election in June for the IBEW. If you have not received a ballot please contact me ASAP. Thomas Brooksbank, Ext. 8489 or brooksbank@bnl.gov.

### Wanted

2.4L ENGINE - '02 Hyundai Santa Fe; under 100K mi preferred. Sabine, Ext. 4340 or skessler@bnl.gov.  
ADOPT-A-PLATOON - Monetary donations gratefully accepted towards mailing shipments to military overseas and to send goodie packages to BNL family members. Thank you. Joanne, jrula@bnl.gov.  
BNL FAMILY MEMBERS IN MILITARY - If you have a family member that has been deployed overseas, please contact Adopt-a-Platoon so we may send them a goodie package. Joanne, jrula@bnl.gov.

CHILD'S CAR SEAT - wanted w/5 point harness, 40-60 lbs. 258-4607.  
COUPONS - discount coupons for Orlando theme parks. ah\_sa73@yahoo.com.  
GOLF CLUBS SET - willing to neg. Andrew, 344-8271 or agross@bnl.gov.  
HAWAIIAN THEMED PARTY STUFF - leis, Hawaiian artefacts? Needed for daughter's 10th b'day, 6/25. Ext. 5894.  
MATH TUTOR - for 9 yr old boy going into 5th grade, East Islip area. Michael, Ext. 5640 or marens@bnl.gov.  
REFRIGERATOR - for the gar, used, free or v/inexpensive, can pickup. Neil, Ext. 4261, 929-6814.

### Miscellaneous

AUDI & VW REPAIR - Certified VW tech w/7 yrs dealer experience. All types of repairs. 484-9888 or wfelitz@bnl.gov.  
BABY'S ITEMS - Bumbo seat w/play-tray/20/green, baby gym/\$5/pink; swing/\$5/blue; Aneta, Ext 7394. anetai@ucr.edu.  
CAR SEAT - "Safety 1st" brand, for toddlers 1-3 yrs old, gd cond, \$40/obo. Ext. 3621.

### Happenings

CRUISE - 7 Day Caribbean Carnival Cruise, Apr 15/2012 to St Thomas, Barbados, St Lucia, St Kitts, St Maarten w/1-fun day at sea. \$846.72 dbl occup balcony. Kim, Ext. 2896, 399-3098, khayes@bnl.gov.

NAT'L RIDE YA MC TO WORK DAY - Join the BNL Cycletrons at the Gazebo, Tuesday 6/20, noon, pizza lunch FREE to members, \$5pp guests,rain or shine, RSVP. Frank, Ext. 2022 or dusek@bnl.gov.  
SHEN YUN PERFORMING ARTS - Lincoln Center, 6/23-26, Brilliant, Inspiring, Glorious. shenyunperformingarts.org. Ext. 4033.

### For Rent or Sale

WEEKI WACHEE, FL - priv Ranch on Gulf, 70m Orlando, 45m Tampa, nr beach, tennis, park, fly Islip direct igp in lanai, fruit trees, SW architecture, 3bdm, 2ba, d/r, f/p, 2gar, see review.oktane.net/HouseTour/. \$950/mo neg.; \$129,000 neg. 344-5537.

### For Rent

EASTPORT - lg 3 bdrm, 2 ba hse, l/r, fam rm, 2 car gar, deck, nice yd, excel neighborhd, looking for a long term tenant. \$1,800/mo. Ext. 7116, 325-0928 or rayc@bnl.gov.  
MIDDLE ISLAND - lg rm w/int, shared kitch, lake view w/balc, a/c, more, no smkg/pet, 12 mins to Lab, \$650/mo neg. Shengliang, Ext. 4357 or szhao@bnl.gov.  
MIDDLE ISLAND - lg furn rm, basic cble/int incl, priv b/r, lg share kitch, for summer student or Lab employee, I can provide transportation. \$750/mo neg. William, 484-9888.  
PATCHOGUE - brand new apt, 1 bdrm, 1 bath, ceramic tile, new appli, gorgeous kitch, great neighborhd, incl all. \$1,000/mo. 312-4982.  
RIDGE - 2 bdrm, 1 bath, bsmt apt, full l/r, eik, drway prkg spot, util/int/ priv ent, no smkg/pets, 5 min to Lab. \$1,600/mo. Joe, Ext. 3252 or jcconsentino@bnl.gov.  
RIDGE - lg sunny studio, full kitch, priv deck, free cable/int access, all util incl, 5 mins from lab. \$825/mo neg. Maggie, Ext. 4720, 775-0828 or mrando@bnl.gov.  
ROCKY POINT - 2-3 bdrm, 1.5/bath, incl water & gas for cooking, avail July 15. \$1,500/mo. Samantha, 525-6648.

## Safety

makes science possible at Brookhaven National Laboratory  
<http://intranet.bnl.gov/safety>



Roger Stoutenburgh 01980611

## Join a BERA Trip

Buy tickets at the BERA Store in Berkner Hall, weekdays, 9 a.m. - 3 p.m. All trips leave from the Brookhaven Center, Bldg. 30, and cannot be cancelled or refunded. See also [www.bnl.gov/bera/](http://www.bnl.gov/bera/).

**Tues. July 5. Six Flags Great Adventure NJ**, on this Lab holiday. Leave BNL 7 a.m., leave park 5 p.m. \$30/person.

**Sat. July 16. New York City** "Do as You Please" trip. Bus drops you off in the Battery Park/Statue of Liberty/Ellis Island vicinity. Leave BNL 7:30 a.m., leave NYC 5 p.m. \$20/person.

**Sat., July 23. Walking Tour of Greenwich Village** in NYC. Leave BNL 8 a.m., leave NYC 5 p.m. \$25/person includes bus, 2-hour walking tour, tips for tour guide & bus driver. Have lunch, shop, sightsee on your own after the tour.

**Sun. Aug. 28. Red Bull Prof. Soccer vs. LA Galaxy** in Harrison, NJ. Leave BNL 4 p.m. for 7 p.m. game, leave after game, about 10 p.m. \$33/person incl. bus, tip, ticket to game, in Sect. 221.

SHIRLEY - 1/bdrm apt, pvt ent, l/r kit comb, granite, new appl, full ba, hdwd flrs, off st prkg, no smkg/pets, for single, credit chck, 1st & last sec, incl all. \$950/mo. 848-6353.

### For Sale

AMITYVILLE VILLAGE - Waterfront, deep water canal, 3 bdrm, 2 bath, 6/rm ranch, 50'x100' lot, oil heat. \$375,000. 472-9034.  
PATCHOGUE VILLAGE - 2/bdrm ranch, 1 block to bay, park, playgrd, priv yd w/deck, renov kitch, ba & mstr bdrm, \$239,000 neg. pics. Laura, Ext. 7278, macarthur@bnl.gov.  
S. SETAUKET - Pristine 3 bdrm, 1 ba ranch, 3-Village SD, CAC, new kitch, bath, windows, siding, drway & roof patio, priv yd, igs. \$324,505 neg. Andrea, awund@bnl.gov.  
SHOREHAM - 3 bdrm, 1.5 bath, Col., f/p, deck, updated kitch w/stainless appli, all new ba & w/d, lg shed, SWRSD, 10 mins to Lab. \$369,000. Andrea, Ext. 3347, 278-9798.

### On-site Service Station to Take Vacation Week of July 4

In addition to July 4 and 5 that the Lab will be closed to celebrate the Independence Day holiday, the on-site service station will be closed Wednesday, July 6, through Friday, July 8, reopening on Monday, July 11. To make an appointment to service your vehicle, from oil changes to New York State inspections to diagnosis and repairs, call Ext. 4034.