

## BSA Distinguished Lecture, 10/9

### The Atomic Bombs President Truman Did Not Drop

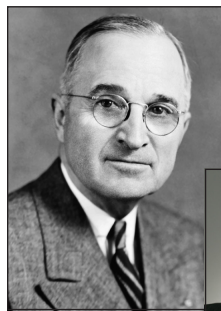
**Truman Presidential Library Director Michael J. Devine To Speak, October 9**

Michael J. Devine, Director of the Harry S. Truman Presidential Library, will give a BSA Distinguished Lecture titled "The Atomic Bombs President Truman Did Not Drop: Nuclear Weapons from Hiroshima to the Dismissal of General Douglas MacArthur" at Brookhaven Lab on Tuesday, October 9, at 4 p.m. in Berkner Hall.

In 1945, United States President Harry S. Truman became the only person ever to authorize use of atomic weapons in war. During his presidency (1945–1953), Truman insisted on civilian control, not military control, over nuclear weapons. He also initiated building and stockpiling a huge atomic arsenal and developing a second-generation nuclear weapon: the hydrogen bomb. Still, he refused to deploy these weapons during several times of crisis, most significantly during the Berlin Crisis of the late 1940s and the Korean War that began in June 1950.

During his talk, Devine will discuss the events that surrounded Truman's decision to use nuclear weapons at the end of World War II. He will then talk about Truman's refusal to transfer control of the U.S. stockpile of nuclear weapons from the Atomic Energy Commission to the Department of Defense and Truman's decisions not to accomplish military goals with this tremendous firepower — decisions that established precedents adhered to by every president since.

Devine has more than 35 years of experience managing historical institutions and he has had works published on



Top: Harry Truman  
Right: M.J. Devine



American diplomatic history, Illinois history, and the history of the American West. He began his tenure with the Harry S. Truman Presidential Library in September 2001. From 1991 until 2001, he was a faculty member at the University of Wyoming, where he also directed the university's American Heritage Center. In the fall of 1995, he was a Senior Fulbright Lecturer in Korea, and during the 1998–1999 academic year, the Houghton Freeman Professor of American History at The Johns Hopkins University Nanjing University Graduate Center in China. From 1985 to 1991, Devine was the Illinois State Historian and Director of the Illinois Historic Preservation Agency/Illinois State Historical Society. He also served as the Senior Fulbright Lecturer to Argentina in 1983 and president of the National Council on Public History from 1999 to 2000. He earned a master's degree and Ph.D. in the diplomatic history of the United States at Ohio State University.

#### About BSA Distinguished Lectures

BSA Distinguished Lectures are sponsored by Brookhaven Science Associates, the company that manages Brookhaven Lab, to present topics of general interest to the Laboratory community and the public. These lectures are free, and no preregistration is required. All visitors to the Laboratory age 16 and older must bring a photo ID. — Joe Gettler

## BNL, SBU's Takeuchi to Receive 2013 E.V. Murphree Award

### Honored by American Chemical Society With Industrial and Engineering Chemistry Award

*This article is from a press release by Stony Brook University.*

Esther Sans Takeuchi has been selected as the 2013 recipient of the E.V. Murphree Award in Industrial and Engineering Chemistry from the American Chemical Society. She holds a joint appointment as Chief Scientist in BNL's Global & Regional Solutions Directorate and as a State University of New York Distinguished Professor in the Department of Chemistry and the Department of Materials Science and Engineering at Stony Brook University.

One of the world's leading energy-storage researchers, Takeuchi is best known for developing the technology for the power source used in implantable cardiac defibrillators and for holding 153 patents — more than any woman in the United States. She will receive this prestigious award at the 245th American Chemical Society National Meeting and Exposition in New Orleans, Louisiana, April 7–11, 2013.

Sponsored by the Exxon Mobil Research and Engineering Co., the E.V. Murphree Award is designed to stimulate research in industrial and engineering chemistry, the development of chemical engineering principles, and their application to industrial processes. The award consists of \$5,000 and a certificate.

"I am very pleased to receive this national award from the American Chemical Society," said Takeuchi. "It is a great honor to be considered a peer among the illustrious previous award recipients."

Takeuchi is an internationally recognized expert in the



Roger Stoutenburgh 09/06/12

Esther Sans Takeuchi in front of the construction site for Brookhaven's future Interdisciplinary Science Building, future site for her research at BNL

multidisciplinary field of battery research, whose innovative work inventing lithium/silver vanadium oxide (Li/SVO) has been instrumental in saving innumerable lives. LiSVO is the enabling power source technology that makes possible the successful implementation of the implantable cardiac defibrillator.

"I congratulate Dr. Takeuchi on this well-deserved honor," said Dennis Assanis, Provost and Senior Vice President for Academic Affairs at SBU and Vice President for BNL Affairs. "The E.V. Murphree Award in Industrial and Engineering Chemistry from the American Chemical Society is further evidence of her distinguished reputation for conducting groundbreaking and translational research. As one of the

nation's most prolific inventors and energy storage researchers, Dr. Takeuchi's work is vital in our efforts to provide transformative solutions for smart grid energy storage and light vehicle electrification."

Takeuchi was inducted into the National Inventors Hall of Fame in 2011. She is a recipient of the National Medal of Technology and Innovation, the highest honor possible for technological achievement in the United States, which was presented to her by President Obama in 2009. She has been inducted into the prestigious National Academy of Engineering, is a Fellow of the American Institute for Medical and Biological Engineering, and has received numerous "inventor of the year" awards.

See *Takeuchi's Award* on p. 2

## BNL Funded for Research To Enable Safer Nuclear Power

BNL has been awarded \$990,000 for further investigation of the interaction between certain nano-structured coatings when used on steels and titanium alloys for next-generation nuclear reactors.



Nick Simos

million through DOE's Nuclear Energy Enabling Technologies program, designed to enable cross-cutting research that will fundamentally improve the safety and performance of nuclear reactors.

#### Part of a BLUEPRINT Strategy at Brookhaven

The project, one of several discovery-to-deployment initiatives, is a result of the long-term strategy put in place as part of BNL's Blueprint. Radiation-induced degradation of the properties of materials used in nuclear reactors has been a subject of research for several decades. The same neutron activity that creates energy in the reactor also causes damage to its components, affecting... See *Safer Nuclear Power* on p. 2

In collaboration with Rutgers University, the three-year project will provide important material-related information for the design of next-generation high temperature and "fast neutron" reactors, which will operate under higher temperatures and higher irradiation rates than those in operation today.

Nick Simos, a senior scientist with BNL's Nuclear Science & Technology Department (NST), will be the principal investigator on the research project, one of 13 awarded a total of \$10.9

## BNL's Researchers Help Connect 'Nuclear' And 'Nano' Science For Safer Reactors

Following the effects of the earthquake and tsunami on Japan's Fukushima nuclear power plants last year, many nuclear scientists have been focused on developing models to predict what will happen under a variety of conditions that may exist at similar facilities around the world.

BNL, with its long history of nuclear research combined with its facilities for synchrotron imaging and nanoscience, may be uniquely positioned to contribute to solutions to some of the problems and challenges that affect the safety and efficiency of our existing nuclear power plants, and allow us to more reliably predict their future performance.

#### Materials Under Extreme Environments

Simerjeet Gill is a researcher in the Advanced Materials for Energy Systems Group in the Nuclear Science and Technology Department. The Group's



Roger Stoutenburgh 03/06/11

mission is to conduct research on materials in extreme environments for advanced energy systems such as nuclear power plants. Gill has been using the National Synchrotron Light Source (NSLS) and the Center for Functional Nanomaterials (CFN) to study radiation damage-tolerant nanocomposites, which may hold the key to solving problems of cracking, swelling, and embrittlement

in nuclear materials. Gill has attended several meetings and workshops focused on these issues, including a meeting of TMS — the Minerals, Metals and Materials Society, in Orlando in March — where she presented her work. Along with her colleague John Valente, she also attended the 2012 Nanonuclear Workshop on Nuclear Fuels and Materials Nanotechnology... See *Nuclear/Nanoscience* on p. 2



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.

**Mon. & Thurs.: Yogalates**

Noon–1 p.m. at the Rec Hall (Bldg. 317). Registration required. Ext. 2873.

**Mon. & Thurs.: Kardio Kickboxing**

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. Free. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

**Mondays: Pilates**

5:30–6:30 p.m. in the Rec Hall (Bldg. 317). Registration required. Ext. 2873.

**Tuesdays & Wednesdays: Zumba**

Tuesdays: Noon–1 p.m., in gym (Bldg. 461). Wednesdays: 5:15–6:15 p.m., at the Rec Hall (Bldg. 317).

**Tuesdays: Hospitality Welcome Coffee**

10:30 a.m.–noon at the Rec Hall (Bldg. 317). Meet over coffee. Children welcome. Ext. 2873.

**Tuesdays: Toastmasters**

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

**Tuesdays: Aerobic Fitness**

5:15–6:30 p.m. Rec Hall (Bldg. 317).

**Tuesday & Thursday: Aqua Aerobics**

5:30–6:30 p.m., at the pool (Bldg. 478).

**Wednesdays: Ballroom Dance**

Hour-long sessions begin at 5:30, 6:30, and 7:30 p.m., Brookhaven Center (Bldg. 30). Vinita Ghosh, Ext. 6226.

**Wednesdays: Play Group**

10 a.m.–noon. Rec Hall (Bldg. 317). Parents meet while children 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.

*Nuclear/Nanoscience from p. 1*

...R&D at the Smalley Institute at Rice University in Houston.

**Meeting of Experts**

The main purpose of the three-day workshop at the Smalley Institute, said Gill, was for experts from nanomaterials science and experts from nuclear science to meet on a common ground. Nuclear and materials scientists like Gill explained to the nanomaterials experts the materials science problems they hope to solve. These include materials degradation by corrosion, cracking and swelling, and ultimately materials failure caused by radiation damage. The nanomaterials experts described newly developed technologies. Participants were then divided into groups for discussions of areas such as mechanical properties, chemical properties and modeling.

**Degradation of Materials**

“Materials degradation is a common problem in existing nuclear reactors and can lead to increased maintenance, downtime, and risk,” Gill said.

*Safer Nuclear Power from p. 1*

...the plant’s efficiency and cost-effectiveness, as well as safety. The next generation of nuclear reactors will operate with higher temperatures — around 1,000 degrees Celsius — and higher fluxes, leading to higher radiation rates, and accelerated degradation of key properties of the substrate materials in a nuclear reactor core.

**Coatings Help Materials Resist Damage**

Through a series of irradiation and high temperature experiments conducted at BNL, Simos and his co-workers have confirmed that applying nanostructured coatings of specific materials — amorphous iron, aluminum, titanium and combinations of those — enhances their ability to resist radiation damage. But the mechanism behind this phenomenon is not yet understood. Simos and his team, which includes Thomas Tsakalakos and Koray Akdogan of Rutgers and Simerjeet Gill of NST, will use the Brookhaven Linac Isotope Producer (BLIP) to simulate the effects of radiation on the materials, since the Lab has no nuclear reactors still in operation. Following irradiation, researchers will use the National Synchrotron Light Source (NSLS) and the Center for Functional Nanomaterials to understand the mechanisms that govern the unique interaction of these nanostructures with neutron irradiation and study how they are either resisting damage or repairing it.

**Ongoing Studies Use BLIP, NSLS**

Studies of these materials have been ongoing for the past several years. The nano-coatings themselves are being provided by the team from Rutgers. Simos created special samples that were exposed to radiation at the target space of BLIP, which utilizes the Linac beam to generate isotopes, and a spallation neutron source. The damage-resisting properties of the amorphous iron as well as of alumina and titania nanostructures were hinted at from previous studies and observations made at the macroscale at

the BNL hot lab facility. Studies on the mechanical performance of these nano-coatings in unirradiated state have been conducted by the Rutgers team at the NSLS beamline.

**More Nano-Coatings**

Simos and his team will also study nano-coatings of ceramics like alumina, titania, and combinations of those materials.

“These appear to also have tremendous resistance and effective enhancement of the substrate,” Simos said. “When you have materials like that, you expect that because of their structure there are certain mechanisms that take place when you stretch or compress them with a heavy load. Because the ceramic coating cannot extend as well as the metal substrate, the big concern in extreme environments is that the two may separate because they do not expand the same way. But there is a kinking that takes place, a readjustment of the lattice that may provide additional give to the substrate. The materials appear to hold together without any signs of separation, even in extreme temperatures.”

Simos and his team will seek to fully understand the extent of the potential of these nano-coatings at a range of temperatures.

“The big concern is that as we get to high temperatures, the forces that exist in the interface of the two lattices are tremendous,” he said. “We’re trying to figure out exactly what that means relative to radiation level and temperature conditions.”

To accomplish this, the researchers will examine the mechanics of the interfaces between nano-coatings and substrates at the NSLS.

“There are challenges in terms of the level of activity that specimens can have in order to be explored at the NSLS using the beamlines,” Simos said. “But the process will reveal itself. We want to see what mechanics take place in the microscale rather than the macroscale, so that we observe the whole effect. That is the goal of doing these studies at the NSLS.”

— Kay Cordtz

For more information, see [www.bnl.gov/today/story.asp?ITEM\\_NO=3268](http://www.bnl.gov/today/story.asp?ITEM_NO=3268).

**The NSLS Advantage**

Gill said that Brookhaven scientists have a unique advantage with their easy access to the NSLS to study these materials issues. In conjunction with the CFN, the NSLS provides researchers with state-of-the-art capabilities to probe unique properties of matter at the nanoscale. She pointed out that understanding how to make radiation-tolerant materials is an area of basic science that can have many applications, in addition to helping keep nuclear power plants running safely.

“We need to resolve these materials issues to make sure our existing nuclear reactors run safely, but all the expertise we have gathered on the nanoscale will hopefully be used to benefit many other areas of science, not just nuclear,” she said.

BNL plans to host a future nanonuclear conference focused on chemical properties and separations. The target date for the conference is November 2012.

— Kay Cordtz

For more information, see [www.bnl.gov/today/story.asp?ITEM\\_NO=3269](http://www.bnl.gov/today/story.asp?ITEM_NO=3269).

*Takeuchi’s Award from p. 1*

Takeuchi received her BA in chemistry and history from the University of Pennsylvania and her Ph.D. in organic chemistry from Ohio State University. She completed her postdoctoral work at the University of North Carolina, Chapel Hill, and the University at Buffalo. She holds 153 patents, has published

more than 60 peer-reviewed articles in such journals as *Analytical Chemistry*, *Journal of Physical Chemistry*, *Journal of Power Sources*, *Journal of the Electrochemical Society*, and *Chemistry of Materials* and more. She has conducted more than 100 invited lectures and presentations, published four books, and contributed to three others.

**Mow Shiah Lin Scholarship Presentation Ceremony, 9/27**

The BERA Asian Pacific American Association and the Diversity Office invite all to attend the presentation of the eighth annual Dr. Mow Shiah Lin Scholarship. It will be held on Thursday, September 27, at 4 p.m. in the seminar room on the second floor of the Center for Functional Nanomaterials, Bldg. 735. Refreshments will be served.



Roger Stoutenburgh photo12

**Joe Brady Cooks Up Methods To Thwart Would-Be Terrorists**

Like many young people, Joe Brady spent some of his early years weighing career options. He started college at George Washington University in Washington, D.C. intending to become a medical doctor, switched to chemistry, then spent seven years cooking in pubs and Italian and French restaurants in his native Rhode Island. He finally returned to school at the University of Rhode Island and earned Master’s and Ph.D. degrees in analytical chemistry, specializing in explosives.

Today, Brady’s job in the Nonproliferation and Homeland Security Field Support Group of BNL’s Nonproliferation & National Security Department includes studying methods to detect and defeat explosive devices, as well as training others in those methods. He has worked with the FBI and the Transportation Security Administration to train security guards from New York airports to recognize and deal with potential terrorist threats and he has organized workshops at BNL to share knowledge and techniques.

“The way I see it, we have three opportunities to defeat the bad guys,” he said. “We have an opportunity to interfere with them when they’re making a bomb, then we have the opportunity to detect it after they’ve made it, and we have the opportunity, if they do make it and deliver it somewhere, to make it not function as they intended.

“The research that we would like to do here at Brookhaven includes denaturing the precursors — examining additives that prevent the use of commercially available materials as explosives,” he said. “We can also work on the detectors — bad guys are always coming up with new stuff or old stuff that they’re revisiting — to make sure that the detectors can see it, and then the third part is to be able get rid

of it gently. Is there a way that we can stabilize it and remove it without it’s blowing up?”

In training sessions, law enforcement personnel and other first responders get a firsthand look at various potentially explosive materials and can see how they differ from similar substances that are harmless.

Some of Brady’s work is in connection with the federal Securing the Cities (STC) program, which began in 2006 as a pilot project for the New York City region, providing equipment, tools and training through cooperative agreements to participating agencies. STC has provided many pieces of detection equipment, trained thousands of workers, and conducted hundreds of drills. The program sends radiation monitoring equipment to Brookhaven for testing, repair, and calibration. Brady and his colleagues, under group leader Carl Czajkowski, test and evaluate commercial as well as laboratory prototype radiation detectors with funding from the Department of Homeland Security.

At Brookhaven for just one year, Brady has found it an interesting place to be.

“Just about every day you meet someone doing something that’s completely new to you,” he said. “There are a lot of people here and they’re all doing pretty cool stuff.”

He’s also glad to have found his niche at a place near the water.

“Growing up in Rhode Island, I really love the ocean,” he said. “That’s my career goal — to stay by the ocean.”

Brady also still cooks, just not professionally.

“There are definitely synergies between cooking and chemistry,” he said. “You mix stuff together and you get something better than what you started with!”

— Kay Cordtz



# BSA Scholarship Forms Available

Application forms for the 2013 BSA Scholarships are now available from the Human Resources Division. Completed application forms must be sent to the Scholarship and Recognition Programs (SRP) division of the Educational Testing Service (ETS) (see address under “The Application Process” below) no later than November 15, 2012.

All scholarships are awarded competitively and are renewable for up to a total of four years of study toward an academic degree. Selection is made by an independent committee appointed by SRP. Fifteen scholarships will be awarded to children of eligible employees of BNL. In selecting students for the scholarship program, consideration will be given to ensure that qualified applicants from historically disadvantaged backgrounds or underrepresented populations are included in the selection pool.

The criteria for selection include: secondary school academic record, school recommendation, scores of the SAT I, school and community activities, evidence of leadership, and creativity expressed through a variety of avenues. The scholarships will be granted independent of financial need and without regard to other forms of aid to the student.

Each scholarship will be in the amount of \$2,500 per year and is paid directly to the college to defray expenses normally charged against the student's account, such as tuition, lodging, and board. In the case of commuting students, if the charges by the college to the student's account are less than \$2,500, the remainder may be paid to the student to assist in defraying commuting expenses.

Scholarships will normally continue for up to four consecutive years, if prescribed scholastic standards are maintained. If baccalaureate requirements are completed in less than four years, or if the student enters graduate school before receipt of the baccalaureate degree, the remaining term of the original four-year scholarship may be applied against comparable expenses of a graduate, degree-granting program. Similarly, a scholarship recipient who has originally undertaken a two-year program leading to an associate's degree may request that the scholarship be continued for an additional two years for attainment of a baccalaureate degree.

Scholarship applicants who wish to undertake a course of study that does not fall within

## Stony Brook University Matching Scholarships

**Stony Brook University President Samuel L. Stanley, Jr., who is committed to bringing the BNL and SBU communities closer together, has announced that the University will provide matching \$2,500 scholarships for all winners of 2013 BSA scholarships who are admitted to SBU and enrolled as full-time undergraduates subject to the terms and conditions of Stony Brook University Scholarships.**

**For more information regarding the matching SBU scholarship, contact Jacqueline Pascariello, Director of Student Financial Aid and Scholarship Services at Stony Brook at [Jacqueline.Pascariello@stonybrook.edu](mailto:Jacqueline.Pascariello@stonybrook.edu).**

the above guidelines may be deemed eligible if the course of study is acceptable to the SRP and is approved by the Chief Human Resources Officer at BNL. Students who intend to pursue a baccalaureate degree in fine arts or performing arts may submit a portfolio of their work to the SRP along with the other application materials. Such a portfolio must be physically compatible therefore with the paper file held by the SRP.

Recipients must be enrolled in an accredited institution of higher education in the U.S., or in the case of a foreign institution, deemed by the Human Resources Division to have the equivalent of a U.S. accreditation.

### Qualifications

The applicant must be:

- The son or daughter of an employee of BNL who began regular full time or regular, eligible part-time employment no later than November 15, 2012, and who is employed by BNL at the time the award is announced. The sons and daughters of retired employees or of employees who died when in regular service at the Laboratory are also eligible.
- For stepchildren, and in the case of unrelated dependent children, including the children of domestic partners, eligibility will be established if the employee regularly claims the child as a dependent for income tax purposes; or if the child normally resides in the employee's household, which must include the two-year period immediately prior to applying for a scholarship.
- A secondary school senior who will be graduated during the current academic year and who will enter college by the fall of 2013.

## The Application Process: Apply by November 15

Scholarship application forms are available at the Reception Desk in Human Resources (Bldg. 400B). The original completed application form must be sent, by November 15, to: BSA Scholarships, Scholarship and Recognition Programs, P.O. Box 6730, Princeton, New Jersey 08541-6730. To confirm that the application was forwarded to the SRP, detach the yellow copy of the form and send to Leesa Allen, Bldg. 400B. Subsequent application materials will be sent directly to applicants by the SRP.

## Important Scholastic Assessment Test (SAT I) dates

Applicants are required to take the SAT I of the College Entrance Examination Board. Test dates for this year include the test of **October 6, 2012, (late registration September 21)**, and the following two test dates only:

**November 3, 2012.** Registration deadline: October 4, late registration Oct. 19

**December 1, 2012.** Registration deadline: November 1, late registration November 16.

Candidates must confirm the test dates with their high school counselors. SAT scores taken during the junior or senior years will also be acceptable. In this case, it is imperative that the College Entrance Examination Board be notified, before November 15, 2012, by submitting an Additional Report Request Form (go to [www.collegeboard.com](http://www.collegeboard.com) or call 1-866-756-7346). Students may register for the SAT and order extra score reports by going to [www.collegeboard.com](http://www.collegeboard.com).

When completing the score reports section of the Test Registration Card (or the Additional Report Request Form), the student must enter “BSA Scholarships, Code Number 9018” as one of the organizations to which scores are to be released.

Application for a BSA Scholarship does not constitute application for college admission. It is the applicant's responsibility to apply for and gain admission to the college of choice. A scholarship award assures a winner of financial aid only after admission to college has been granted.

If the student decides to withdraw from the competition, Leesa Allen, Human Resources Division, must be so notified, at that time, in writing. For more information on the scholarships and the application process, please contact Allen at (631) 344-2700 or [Leesa@bnl.gov](mailto:Leesa@bnl.gov).

## In Memoriam

**Mary Kosak**, who joined the Personnel Division on December 16, 1974, as a secretary II, moved to the Applied Mathematics Department in 1975, and retired as a senior executive secretary on September 30, 1988, died on February 12, 2012. She was 86.

**Mary Da Costa**, who came to join the Medical Department on February 4, 1974, as a hospital services assistant II, moved to the Technical Information Division as an office services assistant III, and retired on September 31, 1993, as a library assistant, died at 74 on July 2, 2012.

**Gustove Formhais**, who became a laborer in the Grounds Section Division on April 12, 1948, and retired from the Plant Engineering Division as a rigging supervisor on March 31, 1979, died on July 16, 2012. He was 91.

**Robert Gibbs**, who worked as a guest at the Lab from December 3, 1958, to October 31, 1959, joining the Alternating Gradient Synchrotron Department as a development engineer II on November 1, 1959, and retiring from the Accelerator Department as a mechanical engineer on October 9, 1992, died on July 26, 2012. He was 81.

**Salvatore Giordano**, who became a junior electrical engineer in the Proton Synchrotron Division on June 11, 1951, and retired from the Alternating Gradient Synchrotron Department on May 31, 1984, as a senior electrical engineer, died at the age of 89 on July 27, 2012.

**Paul Bezler**, who became a development engineer III in the Mechanical Engineering Division on December 1, 1960, and retired from the Department of Nuclear Energy (DNE) as a mechanical engineer on July 16, 2001, died at 75 years old on August 4, 2012. He had worked on bubble chamber detectors for physics experiments and stress and structure analysis in DNE.

**Joseph Trebing**, who joined the Lab on October 1, 1947, as a machinist A in General Shop B, moved to the then Electronics & Instrumentation Division in 1948, and retired from Instrumentation on December 25, 1992, as a senior technical associate, died on August 8, 2012. He was 90.

**Hugh Brown**, who joined the Accelerator Department on May 14, 1956, as an assistant physicist, and retired as a senior physicist with tenure on November 30, 1996, died at 83 on August 25, 2012. Internationally recognized as an authority on particle beam optics, he and colleagues designed beams at the Alternating Gradient Synchrotron for three experiments that earned Nobel Prizes. After retirement, he remained a guest scientist until September 30, 2001.

## Arrivals & Departures

— Arrivals —

Jason Candreva.....Biology  
John Neyssen .....ITD  
Tanya Turkewitz ..... Medical

— Departures —

Joseph Aronson ..... C-AD  
Weigiang Han .....CFN  
Anthony Saunders.....ITD  
Ilya Stavitski..... Photon Sciences

## CALENDAR

Friday, 9/21

**\*BWIS Reception, Chasman Prize**  
5:15-7 p.m. Collider-Accelerator Department lobby, Bldg. 911. Brookhaven Women in Science (BWIS) invites the Lab community to a summer reception and presentation of the Renate W. Chasman Scholarship for Women. See below, left.

— WEEK OF 9/24 —

Monday, 9/24

**Talk on Clean Energy Development Applied to Small Modular Reactors**  
11 a.m. Hamilton Seminar Room, Bldg. 555. Victor Reis, Senior Advisor, DOE Office of the Under Secretary for Science, will talk on “Sputnik, Climate, Fukushima and Small Modular Reactors: Innovation and Planning to ‘Change the Game.’”

Tuesday, 9/25

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

Thursday, 9/25

**\*Mow Lin Scholarship Ceremony**  
4 p.m. 2nd-floor Seminar Room, CFN, Bldg. 735. The Asian Pacific American Association and the Diversity Office invite the Lab community to the presentation ceremony of the 8th Annual Dr. Mow Shiah Lin Award, with reception to follow.

— WEEK OF 10/8 —

Tuesday, 10/9

**\*BSA Distinguished Lecture**  
4 p.m. Berkner Hall. Michael J. Devine, Director, Harry S. Truman Presidential Library, will talk on “The Atomic Bombs President Truman Did Not Drop.” Sponsored by Brookhaven Science Associates, the company that manages BNL, this free lecture is open to the public. Visitors to the Lab of 16 and older must carry photo ID. See p.1.

Thursday, 10/11

**Talk on ‘Creating Safety Cultures’**  
10 a.m. Hamilton Seminar Room, Chemistry Department, Bldg. 555. The Lab community is welcome to attend this talk on “Creating Safety Cultures in Academic Institutions,” to be given by Robert H. Hill, Jr., Chair of the American Chemical Society's Committee on Chemical Safety and a public health program manager with Battelle in Atlanta.

## Golf Outing, 10/8

The BERA Golf Association will be holding its Fall Outing on Monday, October 8, at Rock Hill Country Club. The cost is \$65, which includes cart, a bucket of balls, and prizes. Dinner will follow after golf and will cost \$20 for non-BERA Golf players. All 2-person teams are welcome. For more information about the outing or dinner, contact Jeff Williams at Ext. 5587 or at [jwilliams@bnl.gov](mailto:jwilliams@bnl.gov).

## Start Warming Up For Healthfest

The Lab's month of health, safety, and wellness events kicks off with a lunchtime walk on October 1. Other events will include a table-tennis tournament, a 400-yard swim, a Healthfest Fair, a 5-kilometer run, talks on vaccines and injury prevention, a massage day, a mountain-bike ride...and more. Register at <http://intranet.bnl.gov/healthfest/>.

# PLEASE REMEMBER THE FOOD DRIVE

Bins are in many buildings on site, including the lobby of Bldg. 400 and Bldg. 179 near the Mail Room.

## Benefit Office Reminder: Proof of Student Status For Dental Program

Proof of Student Status is required for a dependent child who is age 19 or over and is enrolled in the dental program.

Proof of full-time student status must be submitted to the Benefits Office, Bldg. 400B, for the fall 2012 semester no later than September 30, 2012. Proof of eligibility from the accredited college/univer-

sity must be submitted to the Benefits Office every semester. Verification should include the following:

- Name of dependent
- Name of college/university
- Fall semester
- Full-time status and/or indication of at least 12 credits for undergraduate programs (or minimum 9

credits for post graduate programs)

Coverage for your dependent child will terminate effective September 30, 2012, if proof of full-time student status is not received in the Benefits Office by September 30, 2012. If you have questions, please contact the Benefits Office, Ext. 5126 or 2877.



## Classified Advertisements

Current job openings and a statement of job placement policy at BNL are available on the homepage at [www.bnl.gov/HR/careers/](http://www.bnl.gov/HR/careers/). To apply for a position, go to [www.bnl.gov](http://www.bnl.gov) and select "Search Job List." For more information, call Ext. 2882

### Motor Vehicles

10 CHEVY MALIBU LTZ – 52K mi. Spec. Ed, white ext./blkck,tan int., all pwr, m/ roof, rem start, 33mpg, ext war to 90K/ mi, excel cond. \$16,500 neg. 834-0047.

10 YAMAHA TW-200 – 4.3K mi. 78/ mpg efficiency legal road/trail bike properly maint'd and lots of fun to ride! \$3,490 neg. Tito, Ext. 5211 or tjuares@bnl.gov.

10 PIAGGIO SCOOTER 50CC – 110 mi. white, garaged since new, excel cond, 110/mi/gal. \$1,600 neg. Mark, 987-4445.

08 HONDA CR-V – 72K mi. LX 4wd, a/c, p/w, p/d, side airbags, excel cond, never an accident, orig owner, fully service, new tires. \$13,200 neg. Ext. 7370, 331-0311.

07 HONDA SHADOW AERO VT750 – 5K mi. blk, perfect, windshld, eng guards, ft platforms, sissy bar, luggage rack, leather bags. \$3,850. Edward, Ext. 7502.

04 HONDA ACCORD LX SEDAN 4D – 90.5K mi. blk, 4-cyl, a/t, a/c, p/s, p/w, am/fm/cd, orig owner, great cond. \$7,500 neg. 331-0311 or goldbear8@yahoo.com.

02 CHEVY TRAILBLAZER – 120K mi. LT model, a/c, leather seats, sun roof, running brds, Bose sound, OnStar, tow pkg. \$4,500. Richard, Ext. 7975, 331-0245.

01 FORD E250 EXTND ED CARGO VAN – 10.8K mi. 5.4 Triton Eng, blk, loaded, c/c, fr/r spkrs, capt. chrs, alarm, rem start, just inspec, needs zero. \$5,650 neg. 902-6404.

99 FORD WINDSTAR SEL – 240K mi. needs trany work, seats/7/comfortably, body/int in gd shape. \$1,500 neg. Gail, 988-1293 or gailpohern@gmail.com.

98 HONDA CIVIC – 107K mi. 2 dr, 4/cyl, a/t, a/c auto start, new tires/timing belt, gd cond. \$3,500. Jeff, 334-2565.

96 JEEP GRAND CHEROKEE – 217Kmi Eng n/g, prtng out. Bdy panels & int gd. New mflr & tail pipe, tires nr. new. Or take all less front drive shaft. \$1,000 neg. 727-7227.

### Boats & Marine Equipment

23' 04 YAMAHA AR230 POWER BOAT – Twin 140 HP Jet Prop, 10/pers capac, stereo wakebrd/knebrd, tower, Bimini Top, carpeting, trailer, more, \$18,900. 897-1053.

18' OUTBOARD MOTORBOAT – fiberglass Manatee, 7 beam, '05 four-stroke, 90hp Suzuki eng, now in water, \$2,500. 286-5897.

17' AQUASPORT CUDDY – 120 hp Johnson, new 50 gal gas tk, new tilt/trim motor & rollers on trailer. This week only - 50 gals gas (93 stbilzd). \$3,300 neg. 375-8519.

14' AMF ALCOFT SUNFISH – Hull/sail v/ gd cond, new Harken bullseye cleat, bow handle & inspect. port, refin, mahog, more. \$1,195. Bob, artemia6159@optonline.net.

12' MONARK BOAT & 4 HP MOTOR – alum boat & 4 HP Evinrude motor w/less than 20 hrs running time/exc cond. Trailer incl. Asking \$850. Marsha K, 727-8750.

### Furnishings & Appliances

ALL WOOD ROCKING CHAIR – solid, in excel cond, ask/\$50. Maureen, Ext. 5026.

BUNN COMMERCIAL COFFEE MAKER – 2 stainless steel pots, commercial counter top, no water hook up needed, like new/\$10, mmorris@bnl.gov. Melvyn, Ext. 5963.

CHERRY GROVE CHINA CABINET – Edinburg Buffet Server & Hutch fluted architectural details; warm cherry finish; antique brass hardwd, ask/\$400. 331-0311.

DINING ROOM & MORE – drk wood, Hutch, table/2 leaves & table pads, seats 10, 6 chrs, \$1,000; Chandelier, glass/brass/\$75, all excel cond, pics. difilip@bnl.gov.

DINING ROOM SET – Formal, 66"x42" w/3 leaves 11" ea, 6 chrs, seats at least 12, ask/\$575, pics avail. Lynda, Ext. 7235 or fitz@bnl.gov.

DINING TABLE – 10 mos old, Ashley Hyland w/4 chrs/, deep brown finish, contemp design, 36" w x 48" d x 30" h, u-pic-up, \$275. Ext. 4126, 953-1890.

DOUBLE STROLLER, MORE – Stroller:frt/ bk blue/\$30; white wood framed rocker glider/\$30; Toddler bed/conv from Sleigh bed crib w/mtttrs/\$50; pics. Peter, Ext. 2460.

FOOD PROCESSOR – Hamilton Beach w/3 blades/\$20. Lynda, Ext. 7235.

FOOD PROCESSOR – Ig Cuisinart/\$50; Gelato maker/\$10; Quesadilla mkr/\$5; Pampered Chef lg pizza stone/\$20; Bkck & Dckr coffee mkrs-no cafe/\$5/ea. Ext. 3362.

GIRL'S BEDRM FURNITURE – 7pc, desk, hutch, chair, bureau, dresser, mirror, end table/cream-colored wood w/floral design and light oak top \$900 Pix avail. 525-1286.

LEATHER SOFA W RECLINER – tan, leather match on sides/back, frames fully padded and foamght \$900, ask/\$400, u-pic-up. Sumanta, Ext. 4126, 953-1890 or pjain12@gmail.com.

OAK ARMOIRE – antique, \$800, if interested I can send photo. 859-8509 or rat-tok@aol.com.

PIANO – SAMICK STANDARD UPRIGHT, cherry finish, w/bench, never needs tuning, bonus: can also be used as a player piano & for Karaoke, \$900. 831-4344.

POMEROY 60 – Universal removable w/ flat panel bracket organized storage/ holds 4+ components w/ventilated and base orig/ \$440, ask/\$150. 331-0311.

SOFA – OFF WHITE/LT FLORAL – photos avail, 88x34, tapestry, ideal for guest rm, comfortable, ask/\$200/obo. Jane, Ext. 2198, 909-7080 or lysik@bnl.gov.

TODDLER BEDS – 2, 1/white, 1/dk wood, excel cond, w/Sealy Mattress/100/ea/ obo. Matthew, milardo@bnl.gov.

WARDROBE W/8 DRAWERS – pretty new, ask/\$80. Ext. 7370, goldbear8@yahoo.com.

### Audio, Video & Computers

BAND HERO SUPER BUNDLE WII GAM – guitar world tour; wireless band hero drum set w/ft pedal, cymbals, & drum sticks; more, \$40/neg. Ext. 7370, 331-0311.

DVD PLAYERS – 2/\$10, 1/\$30, all v/gd cond. Ext. 7370 or goldbear8@yahoo.com.

PLAY STATION 2 – 2/controllers, guitar hero game and guitar, 5 other games incld/\$60. Adele, 525-1286.

ROLAND JUNO-G SYNTHESIZER – like new, half orig price, sell/\$600/neg. Tito, 516-551-4396 or tjuares@bnl.gov.

SAM SUNG 23 LCD/MONITOR – 16:9; HDTV Turner; Doby Digital; 2HDMI; 10000:1 contrast, 2/ysr ask/\$100. Ext. 7370.

SONY BRAVIA 55 INCH HDTV – 55EX710, LCD Digital Color TV 1080p/120Hz/ Smart/Wi-Fi, Ultrathin HDTV 1/yr old, orig/\$1500, ask/890. 331-0311.

### Sports, Hobbies & Pets

AB LOUNGE 2 MAX – like new, fully assembled, ready to go, sells/\$79 at Walmart, \$30 neg, u-pic-up. brookhaven@optonline.net.

AMP – Behringer BX1200 Bass combo, 120w, great 4 practice/\$75; ADA B500B Bi-amped Bass power amp. \$200. Chris, Ext. 5405 or camundsen@bnl.gov.

CAMPER SHAMROCK BY FOREST RIVER – V6, expands/16-24', a/c/heat, 2 beds, q/ full, dinette, m/w oven, stove, frig, full ba sleeps/6, towable, \$6K. 786-6814.

PERSONAL CLIMBER – Tectrix, Gym quality excerciser, \$400, pics avail. Chris, Ext. 2094, 831-3469 or harrisc@bnl.gov.

SURF BOARD – "Roxy", 7.5', It blue w/ pink, cushioned non-slip surface, leach incld, excel cond, \$300. 219-7196.

WETSUIT – Youth size 12, like new, pd/\$110, ask/\$50. Lynda, Ext. 7235, fitz@bnl.gov.

### Tools, House & Garden

1.5 HP HAYWARD POOL PUMP – for agp, used only 7/wks, ask/\$100. Maureen, Ext. 5026.

CARPET CLEANER – Hoover Quick & Light/50; lg dog crate/\$30; weight bench and weights/\$25. Darcy, Ext. 3362.

COPPER POTS & PANS – Restaurant quality, stainless steel inside. Many shapes & sizes. Prices \$15-55 each. Ray, 344-3541.

RADIAL SAW – 10", excel, cond/\$85; sturdy metal and wood work bench/\$35, pics avail. Maureen, Ext. 5026.

TABLE SAW – Craftsman, 10", \$75; Shopcraft 10" bandsaw, \$85. Chris, Ext. 2094, 831-3469 or harrisc@bnl.gov.

YARD TRACTOR/MOWER – Sears Craftsman, repairs needed on/frt axle/tires-air / new batt, gd shape otherwise, gd Briggs & Strttn eng, ask/\$150. sbronson@bnl.gov.

### Miscellaneous

CAKE MAKING SUPPLIES – Character cake pans \$5 ea; 3 Tier floating cake stand \$20; Columns & separators; Darcy, Ext. 3362.

CONCERT TICKETS – 4 tickets to Nitty Gritty Dirt Band & Asleep At The Wheel. Fri. Sept. 28, 2012, 8p at the NYCB Theatre in Westbury. \$39.50 each. 375-2680.

EZ GOAL LACROSSE TRAINING WALL – 2 mos old, barely used, \$200, u-pic-up. dmcarthur@bnl.gov.

GUITAR & AMPLIFIER – '60s vintage Kimberly 4 P/U guitar & Lafayette 2 channel amplifier; 2x12" Jensen spkrs w/reverb/ tremolo, extras, b/o over/\$250. Ext. 4450.

OUTSIDE CHRISTMAS DECOR – 2 mechanical deer w/lights/\$50; 2 sm faux trees w/lights/\$50. dmcarthur@bnl.gov.

PIANO – Wuritzer spinet/console piano gd cond w/bench. u-pic-up, \$250. 750-3385.

PIANO AND BENCH – Yamaha, walnut, excel cond, \$1,500. 288-3112.

SEAMLESS GUTTERS – discount gutters for Lab employees, free estimates, 831-8432, 774-3350.

TOYS – Swingset Acrobat bar/\$20, Play Hut/\$10, FP Basketball Hoop/\$15, Smartcycle w/2 games/\$25, HandyManny Workbench w/tools/\$25, pics. difilip@bnl.gov.

WEDDING PARTY GOWN – Mother-of-bride or groom gown, beaded, lace, organza, cocoa color. Fits 18-20. Google Montage # 14925. Asking \$195. Joan, 871-3533.

WII SYSTEM – Incl: 3 remotes, extra charger, travel cases for system & games. incl Wii Fit Plus, Cooking Mama, Just Dance, Sports Resort, more, \$350. Laurie, 419-6854.

WIG – ash blond, med length w/bangs, orig/\$125, ask/\$5. Darcy, Ext. 3362.

WROUGHT IRON – 48' found table w/4 chrs, end table, \$200; 12 chrs \$25/ea, 2 lounge chairs/\$30/ea, 928-5185 or 283-0034.

### Community Involvement

HOSPICE HELP FOR KIDS WALK – Walk For Hope-Community walk to benefit Good Shepherd Hospice Children Life Program in P.J. Please sponsor me in the walk-any amount\$\$ will help! Christine, Ext. 5090.

### Happenings

BERA GOLF FALL OUTING – set for Mon, Oct 8 @ Rock Hill, \$65/incls cart, ball bucket, prizes, dinner to follow golf, \$20, all 2-person teams welcome! Jeff, Ext. 5587 or jwilliams@bnl.gov.

CELESTE TYMANN IS RETIRING – after 23 years at BNL. Celebrate at a retirement party in her honor at Desmond's at East Wind on Sept. 27, 5 p.m. \$35 p/p includes dinner, gift. Cash bar. RSVP by 9/20, Ext. 2917, Cathy Ennis, cennis@bnl.gov.

MASTIC BEACH ANNUAL ARTS SHOW – MB Annual Arts Show is Sat 15 Sept noon to 6p. at 369 Neighborhood Rd Mastic Beach. Rain Date Sunday 15 Sept. 484-0816 or MBVCA@aol.com.

ROCK HILL COUNTRY CLUB OUTING – Our Lady Queen of Apostles Regional Catholic School will host an annual fundraiser, September 27, 11:30 start, \$150 per golfer; \$50 if dinner/OB only. Tee sponsors welcome! 878-1033.

WOUNDED WARRIOR GOLF OUTING – VFW #6249 will host the 5th annual fundraiser at Calverton Links, Sept. 24. Proceeds help support our heroes & scholarships for local students. \$170 Sponsors greatly welcomed!! Joe, 744-8539.

### Farewell Gathering

HUGH BROWN – A celebration of the life of BNL physicist Hugh Brown, who died August 25, will be held at 1 p.m. Saturday, September 22, at the Parish Hall of St. James Episcopal Church, 260 Beaver Dam Rd., Brookhaven. elisebr@fairpoint.net.

### Free

CLOTHING/WARDROBE BOX – cardbrd w/metal rod for hanging, moving/storage. Ext. 9222.

SHEET SET – King-size, blue, 2 pillow-cases, fit and flat. Susan, 949-4067 or susiec@centermoricheslibrary.org.

STOVE – Kenmore, elect, old but works, u-pic-up. Ext. 3485.

### Yard & Garage Sales

CALVERTON – 20 Alfred Ave, Sat, 9/22, 10a-4p, hsehold items, toys, etc. 591-2272.

### Wanted

2012 MAKING STRIDES SPONSORS – Making Strides against Breast Cancer Walk Oct 21, 2012, Donate or become apart of my team. <http://tinyurl.com/8k67y3o>. Menzel, Ext. 4495 or mjones@bnl.gov.

3 BEDROOM APT/HOUSE – to rent, pls email/call w/price offer, preferred Longwood School District but not a must, need by Sept 27. Tito, Ext. 5211 or tjuares@bnl.gov.

5K SPONSORS NEEDED – Running in "15th Annual 5K Run for the Ridley" to fund research for LI's endangered species of sea turtle. Gary, Ext. 7779 or gstevens@bnl.gov.

BIKE RACK – for Hatchback vehicle. Amber, Ext. 4056.

BOX TOP CLIPPINGS – Be a hero & help support education! Please send any you may come across on specially marked products by General Mills, Pillsbury, Betty Crocker, etc, T.Y.! Mail to Bldg. 510A. Nicole, Ext. 3807.

EMPTY WINE BOTTLES – unbroken or corks for home project, don't throw them away, give me a call. Stephen, Ext. 4627.

FIREARMS – Firearms wanted. I will pay Fair \$\$\$ depending on age and condition. Will buy New or Old Guns. Remember, no firearms on BNL property. Joe, 487-1479.

FRENCH TEACHER – Enrichment Prog. for children ages 4 -16 "SchoolNova" seeks Fr. teacher w/native fluency. No official certification reqd, 615-4215. Marina Polonskaia, info@schoolnova.com.

POP TOPS FROM SODA/BEER CANS – collecting for Shriner's Children's Hospital. Please drop off or send to Bldg 400A, Transportation Office. Paula, Ext. 2535.

TRAILER – enclosed, size to fit Harley. Joe, 831-4830 or mheinrich@bnl.gov.

### Lost & Found

LOST EARRING – gold hoop. Margherita, Ext. 5168.

### For Rent

BNL AREA – looking for a 3 bdrm apt/ hse, email or call w/price offer, Longwood School District area is preferred but not a must, we can move in by Sept 25-27. Tito, Ext. 5211 or tjuares@bnl.gov.

CORAM – priv rm & b/r, share lg home w/2 males, incls all, off st prkg, quiet, safe n'hd, 25 mins to BNL, furnrd or unfurnrd, backgrd/credit check, 1st mo rent/1 mo sec. \$550/mo. Doug, 848-4381.

HICKSVILLE – 3 bdrm, 2 bath, close to train station, park, and shops, 49 Gardner Ave, z/code/11801. \$2,200/mo. 516-857-6358.

KINGS PARK – Spacious one bdrm apt., ground floor, sep ent., tile & hardwd floors, incl all utils. Available mid October (1 mth sec.). \$1,200/mo. Greg, 599-8377.

MANORVILLE – Share apt w/prof. gated comm, Townhse, 2 brms, 2 bath, l/r, d/r, kitch, Oct 1st-Apr 30th, plus util, non smkr, no pets. \$800/mo neg. 847-488-1632.

MANORVILLE – 2 bdrm, 2 baths, no pets/ no smkg, avail, Oct 1-April 30, 3 mo min-ual, furnrd, util not incl, 821-4174. \$1,450/ mo. Nancy, 909-7005.

MEDFORD – lg sunny 1 bdrm bsmt apt eik, plenty of storage, 10 mins to Lab. \$1,200/mo. 353-2164.

# Insect Stings on the Job

During the past few weeks, several people on site have had first aid for wasp or other insect stings. An unexpected sting can be quite painful and put you at risk of losing focus, especially when engaged in an activity like climbing a ladder, working on a roof, or driving.

Most people stung will experience a "local" reaction with redness, pain, swelling, and some itching only at the sting site, which usually goes away within several hours. However, some people develop mild to severe allergic reactions. Unlike most other allergies, insect allergy can cause anaphylactic shock — a life-threatening disruption to breathing and circulatory systems.

### Let Your Supervisor Know

If you know you are pre-disposed to environmental hazards that can create medical emergencies (such as significant allergies to bee stings), you are strongly advised to notify your supervisor or the Occupational Medicine Clinic (OMC). Supervisors will no-



tify the OMC of workers with pre-dispositions and the OMC will recommend preventative and treatment preparation measures.

### More Information

The "Natural Hazards in the Environment" Subject Area at <http://1.usa.gov/QZTe9j> gives useful guidance on work planning and control recommendations to help determine if the area you plan to work in may have risks of insect bites. It also includes measures you can take to prevent them. The One-Minute Safety Topic (<http://1.usa.gov/PHgjdL>) on the same topic also provides prevention tips on a broad range of natural hazards, such as ticks, spiders, mosquitoes, bees, and wasps.

**Safety** makes science possible at Brookhaven National Laboratory

## Upcoming BERA Trips

*Purchase tickets (not refundable) at the BERA Store, Monday-Friday, 9 a.m.-3 p.m. Trips are for the benefit of BNL/BSA employees, users, guests and their families. A BNL employee or parent must accompany those younger than age 21. See also <http://1.usa.gov/MxTxGG>.*

**NASCAR Race:** Sunday, September 30. Race held in Dover, Delaware. \$200 per person includes luxury transportation, party chalet with catered food and beverages, admission, program, and souvenir. Depart BNL at 5 a.m. and leave Dover at 6 p.m.

**Fright Fest at Dorney Park:** Saturday, October 20. Actual times to be confirmed: tentatively, plan to depart BNL at noon, and leave Dorney Park at 10 p.m. \$35 per person.

### BNL Art & Crafts Wanted For Fall Show, 11/19-21

BNL artists, photographers, sculptors, and crafters — your most beautiful work is needed for the BNL Art Society's upcoming Art and Crafts Show sponsored by the BNL Art Society, the BNL Camera Club, and the BNL Crafts Club, to be held at Berkner Hall from Monday to Wednesday, November 19-21, 11:45 a.m.-1:30 p.m.

BNL employees, retirees, facility users, guests of BNL, and family members 15 years and older, may all contribute up to three pieces. Deliver exhibits for the show to Berkner Hall, 2 to 4 p.m. on Friday, November 16, and collect them on Wednesday, November 21, 1:30 to 3 p.m. To be included in the catalog, send your name, phone number, your exhibit's title (if there is a title), the type of work (photograph, painting, wood sculpture, needlework, etc.), and a short description (medium, material, size, etc.) to Liz Seubert or Joe Gettler, Bldg. 400C, or e-mail the information to [lseubert@bnl.gov](mailto:lseubert@bnl.gov) and [jgettler@bnl.gov](mailto:jgettler@bnl.gov) by Monday, November 5.

MEDFORD – 1 bdrm bsmt apt, LR/Kit combo, priv ent, own drway, 10 mins to Lab, 1 person only, 1st mo rent/1 mo sec, incls all utils. \$950/mo neg. 394-6203.

N.SHIRLEY – 1 furn bdrm apt, grnd flr, close to Lab and stores, pvt ent, util incl, no smkg/pets, 1 mo rent/sec. \$850/mo. Dhruha, Ext. 3849.

SHOREHAM – 1 bdrm furn apt, l/r, d/r, full kitch & bath, pvt ent/drwy, util incl 1/mo sec, 5/min to Lab, no smkg/pets. \$1,050/ mo. Judy, 375-7959.

### For Sale

BAYPORT – 2300 sq ft house, 1 wooded acre nr Grit S. Bay, 4 bdrm, 2½ ba, open flr plan, lg windws, radiant heat, screened porch, excel schools. \$515,000. 617-332-6264.

PATCHOGUE – Village, 3 bdrm, cac, oil BB heat, hardwd flrs, full bsmt,. \$220,000 neg. Bill, Ext. 2378, 793-9111.

PORT JEFF STATION – 1 lg upper bdrm, bath coop, eik, new applis/windows, a/c, d/w, Indry/pool/BBQ on site. \$57,000. 642-7674.

PORT JEFF STATION – new 3/bdrm, 2 bath Co-op, 2nd flr, neutral, w/w rugs, appls, gated community w/swim pool, bbq, laundry on prem, nr SBU & BNL. \$142,000. 431-4551.

ROCKY POINT – 4 brm, 4 ba chalet, 1.2 wooded acres, nr beach, EIK, granite counters, ss applis, huge lv, dr, fp, hardwd flrs, porch, A/C, 2 car gar., igs, quiet n'hood, legal m/d. \$435,000. 631-4320.

S. SETAUKET – 3/bdrm, 3bath, bsmt, gar, Three Village Green, like new, many upgrades. \$399,000 neg. 473-5957 or mdylan07@gmail.com.

SAYVILLE – Exprn'd ranch, 10 rms + sunrm, den w/ f/p, 3/bdrm & 1.5 baths up, 3 rms + .5 bath dwn, ipp, cac, 1 car gar, new kitch/heating sys/gutters/applis, excel cond & location. \$350,000. 431-4551.

SHIRLEY – 3 bdrm, 1 bath, low taxes, lot size 100 x 110, close to schools/shopping. \$160,000. 787-246-2616.

SHIRLEY – 3 bdrm, 2 bath Cape w/att gar, eik w/ granite counter tops, d/r, wood flrs rent \$2k/mo or \$173,000. Lisa, 484-9306.

SMITHTOWN – High Ranch on dead end w/rm for Mom, Master bdrm + 3 others, 3 baths, 1.5 gar,attic,bsmt, double f/p, CAC, low maint, walk to town, RR, park, great schools. \$399,000 neg. 516-808-3422.

### Services

A list of services by BNL employees is available, call Ext. 2346 and leave an address or contact [lseubert@bnl.gov](mailto:lseubert@bnl.gov).