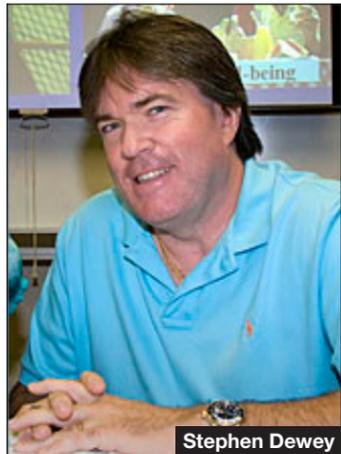




Amy DeMarco



Stephen Dewey

Roger Stoutenburgh 0610808

Roger Stoutenburgh 0610808

## Addiction Treatment Successful in Animal Weight Loss Study

*Genetically bred 'fat rats' experience dramatic weight loss, reduced food intake after being given vigabatrin (GVG)*

Vigabatrin, a medication proposed as a potential treatment for drug addiction by scientists at BNL, also leads to rapid weight loss and reduced food intake according to a new animal study from the same research group. The study was published online August 20, 2008 by the journal *Synapse*. Vigabatrin is currently undergoing U.S. Food and Drug Administration (FDA)-approved Phase II clinical trials against cocaine and methamphetamine addiction across the U.S.

In the current study, animals genetically bred to be obese experienced a loss of up to 19 percent of their total weight while non-obese animals lost 12 to 20 percent following short-term vigabatrin administration.

"Our results appear to demonstrate that vigabatrin induced satiety in these animals," said Amy DeMarco, who led the study, working in the laboratory of Brookhaven Lab senior scientist Stephen Dewey. Dewey first identified vigabatrin as a potential addiction treatment and has conducted more than 20 years of pre-clinical research with this promising medication.

Earlier studies at BNL found a strong connection between obesity and addiction, including similar changes in the brains of the obese and those addicted to drugs like cocaine. Based on these connections, Dewey hypothesized that vigabatrin would quench food cravings in the lab rats.

"Given the growing obesity epidemic, we felt that examining vigabatrin's therapeutic efficacy for obesity was particularly relevant," Dewey said. A total of 50 adolescent and adult animals, both genetically bred "fat" and normal-weight animals, were assigned to either a control group or groups that received vigabatrin at various dose levels and were monitored for up to 40 days. The controls received daily salt water (saline) injections, while those in the study groups received up to 300 milligrams (mg) of vigabatrin a day. All animals received injections for two seven to thirteen-day periods, with breaks in between.

At the end of the 40-day period, all animals receiving vigabatrin weighed significantly less than the controls. The obese animals receiving the 300mg dose weighed far less and consumed less food than the 150 and 75mg groups. The obese animals receiving vigabatrin lost an average of 19 percent of their initial weight, while non-

obese animals lost between 12 and 20 percent of their weight.

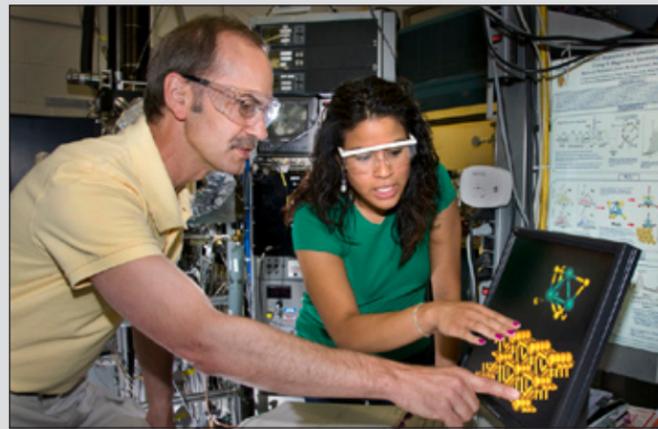
"The fact that these results occurred in genetically obese animals offers hope that this drug could potentially treat severe obesity," said Dewey. "This would appear to be true even if the obesity results from binge eating, as this disorder is characterized by eating patterns that are similar to drug-taking patterns in those with cocaine dependency."

Dewey and Jonathan Brodie, a professor of psychiatry at New York University School of Medicine, have conducted extensive studies on animals at BNL showing that vigabatrin attenuates or blocks neurological and behavioral changes associated with drug addiction. Vigabatrin has been tested in humans in two small open-label studies, as well as in a 103-patient, double-blinded, placebo-controlled trial. Vigabatrin is now being commercialized by Catalyst Pharmaceutical Partners, which is currently conducting two FDA-approved Phase II trials. For more on BNL's addiction treatment research, see [www.bnl.gov/CTN/GVG](http://www.bnl.gov/CTN/GVG). For more information about Catalyst Pharmaceutical Partners, see [www.catalystpharma.com](http://www.catalystpharma.com). — Karen McNulty Walsh

*This research was funded by the National Institute on Drug Abuse at the National Institutes of Health and by the Office of Biological and Environmental Research within DOE's Office of Science. Brookhaven Lab has a world-renowned research program aimed at understanding the neurological mechanisms and consequences of drug addiction and other addictive behaviors. This program is fueled, in part, by DOE's long-standing support of brain-imaging technologies developed as a direct outgrowth of their commitment to basic physics and nuclear chemistry research.*

*All research involving laboratory animals at BNL is conducted under the jurisdiction of the Lab's Institutional Animal Care and Use Committee in compliance with the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals, the U.S. Department of Agriculture's Animal Welfare Act, and the National Academy of Sciences' Guide for the Care and Use of Laboratory Animals. This research has enhanced understanding of a wide array of human medical conditions including cancer, drug addiction, Alzheimer's and Parkinson's diseases, and normal aging and has led to the development of several promising treatment strategies.*

## Controlling the Size Of Nanoclusters



Michael White and Melissa Patterson review an image of a molybdenum sulfide nanocluster.

Roger Stoutenburgh 1380008

### ACS Talk: Controlling Nanocluster Size

Melissa Patterson, a W. Burghardt Turner Fellow at Stony Brook University (SBU) performing research for her doctoral thesis at BNL, gave a talk on August 19 at the American Chemical Society's national meeting in Philadelphia on controlling the size of nanoclusters. She helped to develop and used the new instrument in the BNL Chemistry Department that enabled her to create nanoclusters of 10 to 100 atoms (see accompanying article). Her talk was titled "Size-selected deposition of transition metal sulfides: Insights toward model systems in catalysis."

Patterson made several different clusters of molybdenum sulfide to understand how the chemical properties of the material change as the size and structure of the cluster changes, and to determine which cluster would make the most efficient catalyst. Chemistry Department researchers Michael White, YongMan Choi and Ping Liu, collaborated with Patterson on this research.

"We learned that even though we are using the same molecule — all were composed of molybdenum and sulfur — size and structure are important in determining reactivity," Patterson said. "The most reactive nanocluster of those that we tested had six atoms of molybdenum and eight atoms of sulfur. It readily absorbed sulfur and let go of carbon monoxide, which makes it an effective catalyst."

DOE's Office of Basic Energy Sciences, within the Office of Science, funded this research through the Nanoscale Science, Engineering and Technology Initiative.

— Diane Greenberg

### The First Step In Making New Catalysts

Researchers at BNL and Stony Brook University (SBU) have developed a new instrument that allows them to control the size of nanoclusters — groups of 10 to 100 atoms — with atomic precision. They created a model nanocatalyst of molybdenum sulfide, the first step in developing the next generation of materials to be used in hydrodesulfurization, a process that removes sulfur from natural gas and petroleum products to reduce pollution. This research was funded by DOE's Office of Science, Basic Energy Sciences, through the Nanoscale Science, Engineering and Technology initiative.

This research appears in the *Journal of Physical Chemistry C*, July 31, 2008, coauthored by James Lightstone, SBU; Melissa Patterson, SBU; Ping Liu, BNL; John Lofaro Jr., SBU; and Michael White, BNL. As they report, the scientists made size-selected molybdenum sulfide nanoclusters as gaseous ions, and then gently deposited the clusters on a gold surface. The nanoclusters interact weakly with the gold support and therefore remain intact.

"With this new instrument,

we can control how many and what type of atoms are in a nanocluster," said White, Chemistry Department, the principal author of the paper. "This knowledge enables us to make nanoclusters with predetermined size, structure and chemical composition, all which are important for the design of new catalysts."

Currently, molybdenum sulfide nanoparticles are used for hydrodesulfurization and other chemical processes, but it is not known what size is most active or how the reactions occur on small particles. The ability to make model nanocatalysts containing molybdenum sulfide particles of variable size and chemical makeup will allow White and co-workers to understand how current catalysts work and help design the next generation of catalysts.

In the current research, the scientists explored the chemical reactivity of a very stable or "magic" cluster of four atoms of molybdenum and six atoms of sulfur deposited on a gold surface. This small nanocluster is thought to be prototypical of active catalyst particles because all

See *Nanoclusters* on pg. 2

## Slippery Customer: A Greener Antiwear Additive for Engine Oils

Titanium, a protean element with applications from pigments to aerospace alloys, could get a new role as an environmentally friendly additive for automotive oil, thanks to work conducted at the National Synchrotron Light Source (NSLS) by materials scientists from Afton Chemical Corporation in Richmond, Va., and the National Institute of Standards and Technology (NIST). In a recent paper published in the journal *Tribology Transactions*, the researchers established that a titanium compound added to engine oil creates a wear-resistant nanoscale layer bound to the surface of vulnerable engine parts, making it a credible substitute for older compounds that do not coexist well with antipollution equipment.

Modern engine lubricating oil is a complex, highly engineered mixture, up to 20 percent of which may be special addi-



NIST materials scientists Dan Fischer (left) and Chemo Jaye (right) adjust a sample chamber for NIST's soft x-ray materials characterization beamline at the NSLS.

Roger Stoutenburgh 3870708

tives to enhance properties such as viscosity and stability and to reduce sludge formation and engine wear, according to Afton specialists. For years, antiwear additives for high-performance oils have been phosphorous

compounds, particularly zinc dialkyldithiophosphate (ZDDP), that work by forming a polyphosphate film on engine parts that reduces wear. Unfortunately, phosphorus is a chemical

See *Additive* on pg. 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.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Events flagged with an asterisk (\*) have an accompanying story in this week's Bulletin.

### — EACH WEEK —

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

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

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

**Mondays & Wednesdays: Pilates**  
12:15-1:15 p.m. Monds.; 5:15-6:15 p.m. Mon. & Wed. Rec. Hall. \$65/once/wk., Ext. 5090

**Mondays & Thursdays: Kickboxing**  
\$5 per class. Noon-1 p.m. in the gym. Registration is required. Ext. 8481

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

**Tuesdays: Hospitality Coffee**  
10:30 a.m.-noon, Rec. Hall lounge. Restarts 9/9. All welcome. Ext. 5090

**Tuesdays: BNL Music Club**  
Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

**Tuesdays: Knitting Class**  
2 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information

**Tuesdays: Jiu Jitsu**  
6:30-7:30 p.m. Gym. All ages, 6 yrs. to adult. \$10/class, pay as you go. Tom Baldwin, Bldg. 452, Ext. 4556

**Tuesdays: Toastmasters**  
1st & 3rd Tuesday of month, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. [www.bnl.gov/bera/activities/toastmasters/](http://www.bnl.gov/bera/activities/toastmasters/)

**Tue., Wed. & Thurs.: Rec Hall Activities**  
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090

**Tue., Thurs. & Fri.: Ving Tsun Kung Fu**  
Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, [bradley@bnl.gov](mailto:bradley@bnl.gov)

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

**Tuesday & Thursday: Aqua Aerobics**  
5:30-6:30 p.m., Pool. Starts Tues., 9/9; Thurs., 9/11. 8-wk session, \$20/once/wk, \$40/twice/wk. Mail chk to BERA.

**Wednesdays: On-Site Play Group**  
10 a.m.-noon. Rec. Hall. Infant/toddler drop-in event. Parents meet while children play. Restarts 9/10. Petra Adams, 821-9238

**Wednesdays: Ballroom Dance Class**  
B'haven Center, N. Ballroom. Instructor: Giny Rae. Starts September 12 and 19. Ext. 3845

**Wednesdays: Weight Watchers**  
Noon-1 p.m. Michael Thom, Ext. 8612

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

**Wednesdays: LabVIEW**  
1:30-3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304

**Thursdays: BNL Cycletrons Club**  
Noon-1 p.m., First Thurs. of month. Berkner, Rm. D. Toni Hoffman, Ext. 5257

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

**Fridays: Family Swim Night**  
5-8 p.m. BNL Pool. \$5 per family

**Fridays: Family Gym Night**  
5-8 p.m. Family gym activities. Free

**Fridays: BNL Social & Cultural Club**  
Noon-1 p.m., B'haven Center, S. Room, free beginners dance lessons. 7-11:30 p.m. N. Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov)



With the 2008 Chasman Scholarship winner Kasey Jacobs (third from right) are Brookhaven Women in Science board members (from left) Aimee Sumereau, Sue Perino, Loralee Smart, Vinita Ghosh, and Kathleen Barkigia.

## Environmental Science Student Kasey Jacobs Wins Chasman Scholarship

Kasey Jacobs, a graduate of Long Island University, Southampton College, has won the 2008 Renate W. Chasman Scholarship for Women. Brookhaven Women in Science, a not-for-profit organization at BNL, offers the scholarship to qualified candidates annually to encourage women to pursue careers in science, engineering or mathematics. Jacobs plans to pursue her studies at the Yale School of Forestry and Environmental Studies this fall.

Named after the late Renate Chasman, a renowned physicist who worked at Brookhaven, the \$2,000 scholarship is awarded each year to a re-entry woman — one whose college education was interrupted, but who has returned to pursue a degree on a half time or greater basis.

Jacobs received a bachelor's degree in environmental science from Southampton College in 2006, and then took more than a year off from her studies to work for a grassroots environmental organization, Citizens Campaign for the Environment (CCE). From June 2006 to September 2007, Jacobs was the Long Island

Program Coordinator for the nonprofit, nonpartisan group that seeks to empower the public in advancing stronger environmental policy. In 2007 Jacobs moved on to become the Connecticut Program Coordinator for the organization.

"I am proud of my environmental work with CCE," Jacobs said, "but now I am ready to move into the international arena by resuming my education. I plan to earn a master's degree in environmental science, with a focus on understanding the impact of climate change on coastal communities. I hope to start a career with the United Nations Environment Programme or another international environmental advocacy organization after I complete the graduate program at Yale."

As an undergraduate student, Jacobs completed a semester of environmental studies on the east coast of Australia, where she saw firsthand the importance of coastal resources in the South Pacific. She would like to return to Australia and the surrounding region to further study the

impact of climate change on coastal areas while she is a student at Yale.

Furthering her commitment to reversing the harmful effects of global warming, Jacobs trained with former Vice President Al Gore and world-renowned climatologist Richard Alley to become a volunteer in "The Climate Project," a program founded by Gore that consists of over 1,000 volunteers throughout the U.S. and abroad, trained to educate the public about climate change and solutions. Active in the organization since January 2007, Jacobs has given more than 20 presentations to community groups.

Since 2002, Jacobs has been a volunteer and member of the Surfrider Foundation, an international nonprofit environmental organization dedicated to protecting the coasts. As the CCE Long Island Program Coordinator, Jacobs was also a member of BNL's Community Advisory Council, which advises the Laboratory on selected issues, particularly environmental, safety and health issues.

— Diane Greenberg

## Life Insurance Coverage And Your Needs

*A message from Denise DiMeglio, Benefits Manager*

September is Life Insurance Awareness Month. This time of the year highlights the importance of life insurance as part of a sound financial plan. BNL provides, at no cost, basic life insurance coverage to all regular employees who work 20 or more hours per week. Supplemental coverage is also available, and the cost is based on the amount of coverage you elect.

Life Insurance Awareness Month is a great time to think about your life insurance needs.

First, consider if you have enough life insurance coverage or possibly more than you need. Since life keeps changing, your needs may change too. Think about some of the following events. Have you gotten married or divorced, started a family, or bought a home? Do you have children in college? Are your children out of the house and financially independent? Have you paid off your mortgage? If you answered "yes" to any of these questions, then it's possible that you may want to adjust your BNL life insurance coverage.

You should also periodically review your BNL life insurance beneficiary designations.

You can have multiple beneficiaries but must designate them specifically by name and indicate how to allocate your total life insurance coverage between them. It is also important to identify a contingent beneficiary or beneficiaries. This is the person or persons who will receive the proceeds of your life insurance benefit if your primary beneficiaries are deceased.

Remember, as your life changes, so do your needs. Make sure your life insurance coverage meets those ever changing needs. To review your current coverage and beneficiaries, go into Employee Self Service in PeopleSoft. Then go to Benefits and Benefits Home. To estimate your life insurance needs, The Prudential Life Insurance Company of America has an easy-to-use online tool at [www.prudential.com/HowMuchDoINeed](http://www.prudential.com/HowMuchDoINeed).

If you want to make a change to your life insurance coverage and/or beneficiaries, contact the Benefits Office at Ext. 5126 or 2877. If you do not currently have Supplemental Life Insurance Coverage and want to elect it, you will need to complete a questionnaire for the insurance company and be approved for the coverage.

*Nanoclusters from pg. 1*  
the molybdenum metal atoms are exposed and therefore can react with other molecules. Exploring larger and more reactive nanoclusters will be the next step.

— Diane Greenberg  
*Michael White's work is described in the June 2008 edition of "Take 5," Brookhaven's monthly video magazine.*

## Santana Tribute Band, Milagro, To Play Berkner: Saturday, 9/27

**Proceeds to benefit the Hispanic Heritage Club**

Milagro, a Santana tribute band, will perform a two-hour concert in Berkner Hall on Saturday, September 27, at 7:30 p.m. Proceeds from the concert will benefit the Hispanic Heritage Club's scholarship program.

Founded in 2004, Milagro is a seven-piece band with a full percussion section. The band has performed at venues all over Long Island, playing a variety of music that spans Carlos Santana's 40-plus year career as the unique, Latin-rock musician who founded the renowned band Santana and sold more than 90 million records.

Tickets cost \$12 in advance or \$15 at the door on the evening of the performance. Tickets can be bought at the BERA store in Bldg. 488. The concert is open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

## Cycletrons Motorcycle Club Family Picnic Rescheduled to 9/13

The Cycletrons, BNL's Motorcycle Club, have rescheduled their annual Biker BBQ and Family Picnic to Saturday, September 13, at noon. All are invited.

Tickets are \$10 each; children of 12 and under are free. To purchase tickets, contact Tony Arno, Ext. 6153; Craig Diaz, Ext. 2350; Charles Gardner, Ext. 5214; Toni Hoffmann, Ext. 5257; or Tom Seda, Ext. 7578.

*Additive from pg. 1*  
poison for automobile catalytic converters, reducing their effectiveness and life span, so industry chemists have been searching for ways to replace or reduce the use of ZDDP. It is not a simple problem because the additive has several useful functions in addition to wear resistance.

Titanium is one candidate replacement. Mechanical tests of an organic titanium compound at Afton demonstrated that it provided superior wear resistance when added to a fully formulated engine oil, suggesting that oil chemists could use less ZDDP. Just how the titanium compound works was an open question, however. Surface analysis tests could detect titanium in the wear tracks of test surfaces but not with enough sensitivity to determine its chemical nature — and whether, for example, it was just lying there or bound to the metal surface. To resolve the issue, the researchers turned to NIST's

soft x-ray beamline at the NSLS-U7A.

The NIST beamline instruments use low-energy ("soft") x-rays that can be precisely tuned to specific elements to measure chemical bonds both at the surface of a sample and deeper into the bulk of the material. Powered by the NSLS, the facility is at least ten times more sensitive than commonly available instruments. The measurements revealed that the antiwear enhancement comes from titanium chemically bound into the metal structure of the engine surface, forming a hard oxide, iron titanate. Comparing the test data to that of several possible compounds, the research team was able to identify the specific oxide.

While considerably more work remains to be done, the results suggest that titanium could play an important role in future low-phosphorus lubricating oils.

— Courtesy of NIST

## CIGNA Representative

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

## Meyer Steinberg: 'From the Manhattan Project to Global Warming'

Meyer Steinberg, a chemical engineer whose career at BNL spanned 40 years, is still active in retirement, giving talks about his research at BNL and his work on the Manhattan Project to schools, rotary clubs, libraries, and other organizations throughout Long Island.

Sponsored by Hadassah, the Women's Zionist Organization of America, Inc., Steinberg's upcoming talk, titled "From the Manhattan Project to Global Warming," will be held at the Hauppauge Public Library, on Monday, September 22, at 2 p.m.

Steinberg will begin his talk with a discussion of his work with the Manhattan Project at locations that, after World War II, became known as DOE's Oak Ridge and Los Alamos National Laboratories. He can



Joseph Rubino 03840808

now speak of the then top-secret work with candor.

Steinberg will also discuss highlights of his work at BNL, where he researched numerous energy-related topics, including nuclear energy, fossil fuels, liquid fuels produced from coal, and solar energy.

Finally, Steinberg will pres-

ent some of the technologies that he and his colleagues developed to mitigate global warming, while maintaining a fossil-fuel economy. He will cover the principles of removal and recovery of carbon dioxide from power plant stacks, as well as its oceanographic and geological disposal, and its conversion to gaseous and liquid fuels. Also, he will discuss global economic impacts of carbon dioxide mitigation technologies.

Retired from Brookhaven in 1997, Steinberg is currently vice president of a startup company, HCE, LLC, in Melville, New York, which specializes in developing innovative processes for fossil-fuel conversion.

The talk is open to the public. For more information, call the Hauppauge Public Library at (631) 979-1600.

— Diane Greenberg



Charlotte Muir

### BSA Noon Recital, 9/17

## Cellist Charlotte Muir

Cellist Charlotte Williams Muir will give the next BSA Noon Recital in Berkner Hall on Wednesday, September 17 at noon. She is pursuing her doctorate in cello performance at Stony Brook University.

Jazz pianist Eriko Nagai will accompany Williams. She is pursuing her masters at SBU and has won top prizes in several competitions.

The program includes works by Bach and Schumann. Admission is free; visitors age 16 and over must carry a photo ID.

## Defensive Driving Course

### In Two Parts, 9/22 & 25

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on Monday, 9/22 and Thursday, 9/25, in Brookhaven Center's South Room, from 6 p.m. to 9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

## Arrivals

Belkacem Bacha ..... NSLS II  
 Syed Ibrahim Basheer Ahamed ...  
 ..... Biology  
 Julie Boyer ..... Chemistry  
 Michelle Cooper ..... PPM  
 John Fetzko ..... Physics  
 Yoshiteru Hidaka ..... NSLS  
 Jun Ma ..... NSLS  
 Keeseong Park ..... CMP&MS  
 Ayse Frosina ..... ITD  
 Bernadette Whelan ..... Medical  
 Gong Zhou ..... Chemistry

## Departures

Gerry Bunce ..... Physics  
 Susan Carlsen ..... NNS  
 Ulises Feliciano ..... PPM  
 Lindsey Heady ..... Envirn. Sci.  
 David Kipp ..... CAD  
 Agnes Mocsy ..... Physics  
 Kurt Vetter ..... NSLS II  
 Kenneth Wokosky ..... CAD

## Other Upcoming BERA Trips

More information to come.

- **Bear Mountain Oktoberfest, Sat. 10/18**  
 \$15 per person (adult or child). Leave BNL at 8:30 a.m., leave Bear Mtn. at 4:30 p.m.
- **Atlantic City, Sat. 11/1**  
 \$25 per person. Leave BNL at 9 a.m., leave Casino at 9 p.m. Ages 18 and over only.

## Volleyball News

The BERA Volleyball League resumes play on Monday, Oct. 6. The league offers teams for players of every ability and skill level, so come and join in the fun! Players are invited to get warmed up for the season by playing open volleyball in the gym on Mon. and Wed. nights.

**Captains' Meeting, 9/17**  
 Captains should attend a meeting on Wed., Sept. 17, at noon in Berkner Hall, Room A. Bring a signed roster form. Visit the website, [www.vb.bnl.gov](http://www.vb.bnl.gov), or contact Marie Van Buren, Ext. 4727 or [vaburen@bnl.gov](mailto:vaburen@bnl.gov); or Alain Domingo, Ext. 7060 or [domingo@bnl.gov](mailto:domingo@bnl.gov).

## Upcoming BERA Trips

Tickets available at the BERA Store, Berkner Hall, Bldg. 488, weekdays from 9 a.m. – 3 p.m. All trips depart from the Brookhaven Center.

- **US ARMY @ West Point Football, Saturday 9/20**  
 \$65 per person (adult or child) includes luxury coach bus, ticket and catered hot tailgate lunch. Leave BNL at 7 a.m., leave West Point at 5 p.m.
- **NASCAR at Dover, DE, Sun. 9/21 (only 3 tickets available!)**  
 \$120 per person. Includes luxury coach bus, ticket and tailgate party. Leave BNL at 5 a.m., leave Dover at 6 p.m.
- **Cabela's in East Hartford, CT, Sat. 9/27**  
 \$20 per person (adult or child). Coach bus leaves BNL at 7 a.m., and leaves Cabela's at 5 p.m.
- **Multi-Ethnic Walking And Noshing NYC Tour, Sun. 10/5**  
 \$40 per person with lunch in Little Italy or \$25 for the tour only. Bus leaves BNL at 8 a.m.

## Public Meeting on Occupational Compensation Program

Representatives from the National Institute for Occupational Safety and Health (NIOSH) will be holding informational meetings at the North Shore Public Library in Shoreham on Wednesday, September 24, 2008. NIOSH is holding these meetings to discuss its role under the Energy Employees Occupational Illness Compensation Program.

The meetings are scheduled for 2–4 p.m. and 6–8 p.m. Both meetings will be identical in format and information.

The Bulletin has reported on the Energy Employees Occupational Illness Compensation

Program several times, first in the issue of November 17, 2000 (DOE to Compensate Sick Workers), then on July 13, 2001 (DOE Update: Worker Compensation Legislation), and, most recently, on May 9, 2008 (Newspaper Ad Offering Medical Screening). In brief, Congress enacted the Energy Employees Occupational Illness Compensation Program (EEOICP) in 2000. Compensation and payment of medical expenses is available to employees of DOE contractors and subcontractors, or their survivors, who develop an illness due to exposure to toxic substances at DOE facilities. EEOICP is administered

by the Department of Labor.

NIOSH performs dose reconstructions and conducts other technical activities to assist claimants. Please note, however, that NIOSH representatives at the meeting in Shoreham will not have access to information pertaining to individual dose reconstructions.

For more information, contact the NIOSH Office of Compensation Analysis and Support toll-free at 1-877-222-7570; directly at (513) 533-6800; or by e-mailing Laurie Breyer, NIOSH representative, at [ocas@cdc.gov](mailto:ocas@cdc.gov). For information pertaining to EEOICP please visit <http://www.cdc.gov/niosh/ocas>.

## Camera Club: NYC Trip, 9/20

The Camera Club will be taking a field trip to New York City on Saturday, September 20. Shooting locations include Bryant Park, Little Italy, and the Brooklyn Bridge. For more information, contact Ripp Bowman, Ext. 4672.

## Vanguard Retirement Counseling

On Thursday, September 18, you may meet one-on-one with a licensed retirement planning counselor from Vanguard for an in-depth consultation, in the Human Resources office in Bldg. 400B. Go to [www.meetvanguard.com](http://www.meetvanguard.com) or call 1-800-662-0106, Ext. 14500 to schedule your session. Financial questions you might want to discuss include: How much should I save for retirement? Am I saving enough? How do I choose the right investments? Can I afford to retire when I want to? The 45-minute session is free, and you do not have to be invested with Vanguard to meet with a counselor. Your spouse or partner is welcome to attend your meeting. Appointments are available from 8:30 a.m. through 4:30 p.m.

## New Series of Ballroom Dance Lessons Begins

Three new six-week sessions of weekly ballroom dance lessons, sponsored by the BNL Ballroom Dance Club and given by instructor Giny Rae at a cost of \$30 per person for each session, will start on Wednesday, September 24. The new schedule is as follows:

Beginner ONLY salsa/mambo lessons, 5:15-6:15 p.m.; beginner/intermediate foxtrot lessons, 6:15-7:15 p.m.; and intermediate hustle lessons, 7:15-8:15 p.m.

Pre-registration and practice sessions will be held on September 10 and September 17, 5:15-7:15 p.m.

Classes and practice sessions are held in the North Ballroom of the Brookhaven Center. Lessons are open to all BERA members: BNL employees, retirees, official BNL visitors and their immediate families (spouse and children). Each BERA member may bring a partner, but a partner is not necessary to participate.

For more information contact: Donna Grabowski, Ext. 2720; Vinita Ghosh, Ext. 6226; Gail Donoghue, Ext. 2838; Dean McDonauld, Ext. 7239; or Kathleen Tuohy, Ext. 3845.

## CALENDAR

### — WEEK OF 9/15 —

#### Wednesday, 9/17

\***BSA Noon Recital**  
 Noon, Berkner Hall. Cellist Charlotte Williams Muir and pianist Eriko Nagai will perform. See notice, left.

#### Thursday, 9/18

\***Vanguard Retirement Counseling**  
 Free consultation with licensed retirement planning counselor from Vanguard. See notice, left.

#### Saturday, 9/20

\***BERA Trip, Football Game**  
 7 a.m. Coach leaves from B'haven Center. See notice, left.

\***Camera Club Trip**  
 Trip to NYC. See notice, left.

#### Sunday, 9/21

\***NASCAR Race at Dover**  
 5 a.m. Coach leaves from B'haven Center. See notice, left.

### — WEEK OF 9/22 —

#### Monday, 9/22

\***Defensive Driving, Part I**  
 6–9:15 p.m. B'haven Center, South Room. See notice, left.

#### Tuesday, 9/23

**BWIS Talk: Understanding Career Variables Among Scientists and Engineers**

Noon, Berkner Hall, Room A. Sponsored by B'haven Women in Science, Nancy DiTomaso, Professor of Management and Global Business at Rutgers Business School, will speak on "Advantage, Absence of Advantage, and Disadvantage Among Scientists and Engineers." All BNLers invited.

#### Wednesday, 9/24

**Brookhaven Lecture**  
 4 p.m. Berkner Hall. Yong Cai, National Synchrotron Light Source II Project, will discuss a new experimental beamline being planned for NSLS-II that will use inelastic scattering technology to probe in greater detail than ever before the atomic motions in liquids and solids. Open to the public. Lab visitors ages 16 and over must carry photo ID.

#### Thursday, 9/25

\***Defensive Driving, Part II**  
 6–9:15 p.m. B'haven Center, South Room. Part II of two-part course. See notice, left.

#### Saturday, 9/27

\***Cabela's in East Hartford**  
 7 a.m. Coach departs from B'haven Center. See notice, left.

**New York City Dinner Cruise**  
 5 p.m. Coach departs from B'haven Center for World's Fair Marina, Flushing.

\***Santana Trib. Band, Milagro**  
 7:30 p.m. Berkner Hall. See notice, pg. 2.

### — WEEK OF 9/29 —

#### Wednesday, 10/1

**Brookhaven Lecture**  
 4:00 p.m. Berkner Hall. Featuring Rita Goldstein, Medical Department. More information to come.

#### Saturday, 10/4

**Bronx Zoo Trip**  
 9 a.m. Coach departs from the Lollipop House in the apartment area. Sold out.

#### Sunday, 10/5

\***Multi-Ethnic Walking And Noshing NYC Tour**  
 8 a.m. Coach departs from B'haven Center. See notice, left.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to [bulletin@bnl.gov](mailto:bulletin@bnl.gov). Write "Bulletin Calendar" in the subject line.

## Classified Advertisements

### Placement Notices

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

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

**RIGGER'S ASSISTANT (LG-6)** - Under general direction, assists in the preparation for and moving of a variety of material and objects, including heavy and delicate items as required. Duties consist of attaching lifting devices, and performing all other associated manual tasks such as jacking, placing rollers, and positioning. As performance of duties herein necessitates, drives trucks and operates fork lifts. Candidate must possess a CDL class A license with the appropriate endorsements. Plant Engineering Division. Apply to Job ID# 14533.

**MATERIAL HANDLER (LG-3)** - Performs a variety of laboring and manual tasks in stores operations such as moving, loading, unloading, sorting and storing of materials. May operate motorized equipment pertinent to stores operations. Keeps stores facilities in neat condition. Procurement & Property Management Division. Apply to Job ID# 14609.

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

**SCIENTIFIC STAFF POSITION (ASSISTANT/ASSOCIATE/SCIENTIST - S1/S2/S3)** - Requires a Ph.D. in accelerator physics or related field. Experience in the area of (one or more): electron rings, linacs, FELs with emphasis on diagnostic/experimental research is also required. This position is with the Accelerator & Operations Division of NSLS. The successful candidate is expected to provide machine physics coverage for one of the NSLS storage rings, as well as become involved in the accelerator and/or FEL R&D. The level of the position will be based on the background and experience of the selected candidate. Under the direction of B. Podobedov, National Synchrotron Light Source Department. Apply to Job ID # 14611.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. physics or engineering. Experience in accelerator physics and/or microwave engineering is also required. Knowledge in the RF/microwave design, including programs such as Microwave Studio or equivalent is desired. Experience in superconducting niobium cavity technology and a general accelerator physics background is also desired. Research will involve the development of superconducting cavities for storage rings, in RHIC, and for Energy Recovery Linacs (erhic), SRF electron guns, and SRF crab cavities for LHC and RHIC. Under the direction of I. Ben-Zvi, Collider-Accelerator Department. Apply to Job ID # 14608.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in materials science, electrochem or a closely related field. This opening is in the area of nanomaterials, such as Si, Ge and oxides, as anodes or cathodes in Li-ion batteries. Will synthesize these nanomaterials by CVD and/or wet-chemistry methods and characterize them by electrochemistry and microstructure measurements. Collaboration with a BNL battery team is expected. Under the direction of W. Han, Center for Functional Nanomaterials. Include the names of three references with your CV. Apply to Job ID # 14610.

**COUNTERINTELLIGENCE ANALYST (A-8)** - Requires a bachelor's degree; master's degree desirable and at least two years' experience as a U.S. Intelligence Community Analyst, having reached the GS-11 level. Experience must include conducting tactical and strategic analysis, preparing intelligence reports, and a demonstrable record of success relative to analytic, investigative, and strategic integration. Candidates possessing additional related private sector experience are preferred. Computer skills and familiarity with word processing, secure data bases, presentation, and e-mail applications are neces-

sary. Rigid background check including limited-scope polygraph examination concerning national security issues. U.S. citizenship and ability to obtain and maintain DOE "Q" and "SCI" access authorizations required. Candidates successfully competing for this position may be requested, as a pre-condition to an offer of employment, to submit to the above polygraph examination. Will develop, implement, manage, enhance, and maintain all required analytic and investigative elements of the Counterintelligence Program, under the purview of the Northeast Regional CI Office including Brookhaven National Laboratory, DOE Brookhaven Site Office, the Laboratory for Laser Energetics, Rochester University, the Princeton Plasma Physics Laboratory, Princeton University, and the DOE Princeton Site Office. Director's Office. Apply to Job ID# 14604.

**ADVANCED APPLICATIONS ENGINEER (I-7)** - Requires a minimum of a bachelor's degree (post-baccalaureate degree preferred) in computer science, information technology, or closely related field, and five-plus years of relevant experience. Qualified candidates will also have knowledge of and working experience with common software tools, such as Visual Basic, SQL, HTML, JavaScript, and ASP. Desirable qualifications include experience working on technical applications normally found in a science or technology organization and on software tools (e.g., XML, Net, and Web Services) for creation and management of database-driven web applications. S/he will be responsible for maintaining and enhancing existing software systems, including the CFN website; for developing new software applications (from design and code to test, support, and documentation); and for exploiting the interactive potential of the internet for training, outreach, and remote operation of the Center for Functional Nanomaterials facilities. Apply to Job ID# 14607.

**PLANNER/ESTIMATOR, MECHANICAL (T-5)** (Reposting) - Requires 10 years' broad experience in an applicable trade, knowledge of electrical, mechanical, and architectural disciplines; specialized training in a Computerized Maintenance Management System Program, AutoCAD and National Estimating Standards. With minimal supervision, responsible for planning, estimating, and scheduling of all types of plant maintenance and repair work orders. Duties include the timely and efficient preparation of job layout, material orders, and labor estimates. Works closely with craft supervision concerning work planning, tracking, scheduling and completion of work orders. Uses professional judgment in determining performance standards appropriate to each individual job and its circumstances. Reports to the Superintendent of the Facility Operations Office, and accepts technical guidance from the appropriate operating division within the Facilities and Operations Directorate. Apply to Job ID# 14596.

**ASSISTANT PROJECT PLANNING SPECIALIST (A-4)** - Requires a bachelor's degree in business or a related field, or equivalent. Must be able to work under pressure, balance priorities, and perform multiple tasks. Familiarity with Microsoft Office, including Project, Word, Excel, and Power Point is preferred. Knowledge of Lab systems such as Web Req, SBMS and PeopleSoft systems desirable. Familiarity with all aspects of procurement applying standard methods and procedures within Lab policies and regulations a plus. Under general supervision will be responsible for project administration functions and procurements. Will interact with Project Leads and Operations Managers to ensure projects are properly planned, executed, and controlled in order to meet requirements. Responsibilities include preparing and maintaining project GANTT Charts, monitoring costs and commitments ensuring completion of activities within budget, financial costs, as well as gathering, analyzing, and organizing information into monthly and quarterly reports. Additional responsibilities include documenting project phases preparing and maintaining Contract Summary spreadsheets, coordinating activities and interacting with various BNL departments, subcontractors, and other Lab personnel, proposal evaluation, drafting of contracts and modifications, contract administration, reviewing invoices for allowable and unallowable costs, and the review, correct handling, and filing of Russian deliverables and reports, including proper access, reproduction, storage, transmission and destruction of foreign government/access-controlled documents. Familiarity with U.S. Department of Energy Confidential/Foreign Government Information - Modified Handling (DOE C/FGI MOD) requirements preferred. Must be available for possible domestic and international travel. Nonproliferation and National Security Department. Apply to Job ID# 14606.

**SR. DRAFTING SPECIALIST (T-3)** - Requires an AAS degree in electronic technology, electrical drawing, or equivalent and six years' experience in the design of high density multi-layer printed circuit boards (PCBs) and schematic capture; a demonstrated skill in designing precision analog, RF and high speed digital layouts using PCB design software pack-

ages; good interpersonal skills and strong self-motivation. Preferred requirements include proficiency with P-CAD and/or Mentor Graphics systems and AutoCAD. Responsibilities include PCB design and schematics for various electrical systems used in NSLS-II. Position reports directly to head of electrical engineering. National Synchrotron Light Source-II. ERAP eligible \$500.00. Apply to Job ID# 14602.

### Motor Vehicles

**05 FORD F250** - super duty supercab 4x4, tow/plow pkg. factory brake control system, 1 rack w/work winches. 48K mi. \$16,000/neg. Ronnie, 765-8092.

**05 CARGO MATE TRAILER** - barn drs. on rear & side, single axle w/elec. brakes, contractor setup, V/nose 12x6x6. 20K mi. \$2,000/neg. Ronnie, 765-8092.

**03 CHEVY VENTURE** - a/c, p/w, 8 pass. 20/26 mpg, fr/side air bags, abs, new tires, orig. owner, excel. cond, well maint. 68K mi. \$6,800/neg. Ext. 5128 or 727-4417.

**03 FORD FOCUS** - 5spd, 4cyl, 4dr, a/c, cd, red, grey/blk, interior, excel. cond. 51K mi. \$6,750/neg. Mary, Ext. 3927.

**01 CHEVY CAVALIER** - 4cyl. 2.2L, a/t, a/c, cd, new battery & tires. 77K mi. \$3,300. Yungang, Ext. 3485.

**00 FORD FOCUS ZTS** - cd, ac, c/c, more, 4cyl, white, excel. cond. 124K mi. \$3,900/neg. Arshe, 646-875-0656.

**00 MAZDA PICK-UP** - pick-up with cap, tan, a/c, great stereo, well maintained. 59K mi. \$6,995. George, 7641139.

**00 MERCURY SABLE LS PREMIUM** - a/t abs a/c c/c p/w, all hwy. mi., gd. cond, full opt, lthr. 6 cyl., multi-cd, p/seat, adj p/s, new 193K mi. \$3,500/neg. Claudio, Ext. 5994 or 664-7206.

**99 FORD RANGER XLT** - 4X4 pickup, gd. cond., clean, well maint., stereo, all pwr, a/c. 117K mi. \$5,100/neg. Ext. 5090 or 312-2670.

**99 NISSAN QUEST** - 7 pass. van, p/s, a/t, a/c, p/w, stereo, tv, privacy glass, orig. owner, excel. cond. 45K mi. \$6,250/neg. Jim, Ext. 5018 or 675-0990/335-9007.

**97 PONTIAC GRAND AM** - dark green, no scratches, CD player, pictures available. 180K mi. \$1,450/neg. Ext. 4340.

**96 HARLEY FLH** - 93-CI Sidewinder kit, branch heads, S&S E Carb, true dual-exhaust, 6spd trans eng. just rebuilt. \$9,000. Dave, 664-2444.

**90 INFINITI Q45** - maroon, in/exterior, excel. cond., gd. 2nd car. 148K mi. \$3,000/neg. Mano, Ext. 2429 or 689-8987.

**88 CHEVY CAMARO** - interior in great cond., car 18" rims, motor modified and more. \$8,500/neg. Joseph, 902-8655.

**81 PONTIAC GRAND PRIX** - body: Nd minor restor. Eng: 350 Four Bolt Main, \$2,000/as is/neg. 12K mi. \$2,000/neg. Stanley, 909-2642.

### Motor Vehicle Supplies

**ACCESS TONNEAU COVER** - used, for full size short bed P/U truck, great cond., hardware incl., no drilling. Don, Ext. 5299.

### Marine Supplies

**KAYAK ROOF MOUNTS** - Yakima Hully-Roller #8004035; Yakima Mako Saddles #8004037. New, in boxes. Don, Ext. 5299.

### Furnishings & Appliances

**AIR CONDITIONER** - 5000 Btu, 3 yrs. old, \$25. Peter, Ext. 2674.

**APPLIANCES** - Kenmore gas stove, blk. oven dr., white stove top, \$350/obo; microwave, over the range GE, black, \$150 obo; dishwasher, GE, white, excel. cond., \$100/obo. All w/clean, rarely used. Jorge, Ext. 5126.

**BEDROOM SET** - king bed w/circular headbrd, dresser, armoire, nightstand & mirrors, solid honey oak, \$1,200/neg. Tom, 566-0935.

**CABINET AND SOFA** - 1 dining cabinet D19x L62x H30, cherrywood color, \$99; one 3 person sofa, d35 x 186, red, excel. cond., \$79. Hong-Bo, 751-0517.

**ENTERTAINMENT UNIT** - solid oak, 51hx-61wx22d, holds 32" tv, 3 AV components, storage under TV, pics avail., excel. cond., \$375. Chris, Ext. 7365 or 472-3488.

**KITCHEN APPLIANCES** - Stove, over the range microwave, dishwasher, see my craigslist ad: <http://tinyurl.com/6hm4fu>. Jorge, Ext. 5126.

### Audio, Video & Computers

**NETGEAR WIRELESS-G BROADBAND ROUTER** - Speed up to 54Mbps - Range up to 120ft. True Firewall. \$25. Ext. 2159.

**SCANNER** - HP, color, ScanJet flatbed, incl. text recognition software & manual, \$40/obo. Mary, Ext. 2066 or 744-1898.

### Sports, Hobbies & Pets

**1983 COLEMAN POP-UP TRAILER** - Sleeps 6, sink, stove, storage, 1600 lbs., needs 2 new tires, ask/\$700. Ext. 2716 or 878-2425.

**CLARINET** - used VITO Leblanc, gd. school instrument, fine cond., \$200. Steven, Ext. 7862.

**DOG CRATES** - 2, 1 wire crate for x-lg dog, comes w/divider \$25, 1 carrier type crate, 1 mo. old, \$50. Lee, Ext. 6306 or 897-7930.

**FISHING EQUIPMENT** - rod & Reels, St. Croix & Lamiglas, Lamig <http://tinyurl.com/576aek>. 404-8109.

## Chigger/Tick Larvae Alert

Since August, the Occupational Medicine Clinic (OMC) has seen and received reports of individuals with intensely itchy red bites on their ankles and elsewhere after walking or standing in grass or brush on the BNL site. The responsible bugs, which are barely visible to the naked eye and move very quickly, are believed to be larval (immature) arthropods — both chiggers (red) and tick larvae (brown or black). The larvae are widespread on site and will remain a problem until the nights get cold.



To avoid bites, take preventive measures:

- Pedestrians: stick to sidewalks.
- Outdoor workers: wear dense-woven clothes, nylon long-sleeved shirts, seamless coveralls, and rubber boots with pants tucked in. Eliminate gaps that would allow larvae to access the skin.
- Apply insect repellents containing permethrin or DEET around pants cuffs and work boots, according to directions. BNL Central Stores stocks K70766 — Deep Woods Off for skin and clothing treatment (containing DEET), and K70764 — Sawyer Clothing Treatment containing permethrin.
- When work is complete, all clothing should be promptly washed in hot water and detergent, or sealed in plastic bags until it can be washed. Use duct tape to remove visible larvae from pants.
- After working outside, immediately shower and wash all areas of potential skin exposure and bites with soap and water.

Employees should come to OMC if they believe they have gotten tick or chigger bites on site. Employees with bites from off site can also come to OMC for first aid and guidance, or can see their own physician or practitioner.

Treatment consists mainly of controlling itch through ointments of benzocaine, hydrocortisone, calamine lotion, Chigarid, or New Skin liquid bandage. Oral Benadryl (antihistamine) can be helpful but should not be used at work or before driving or operating machinery due to drowsiness. Occasionally an individual will have a more severe allergic-type reaction, with symptoms such as skin swelling. This requires prompt medical attention.

For more information, see the Tick and Chigger Prevention links on the Safety and Health Services website [www.bnl.gov/esh/shsd/](http://www.bnl.gov/esh/shsd/) and the Tick Information links on the OMC website, [www.bnl.gov/hr/ocmed/](http://www.bnl.gov/hr/ocmed/).

**GAME BOY** - advanced SP, complete system, 29 games in orig boxes; 1 looks/works brand new, ask/ \$500. Gene, Ext. 7113.

**NOK HOCKEY CHAMPION BOARD** - w/o puck & paddles, \$5; car bike rack, 30/RR,\$60; board games, Trivial Pursuit, Pictionary & more, \$5 ea. 949-7412.

**PUPPIES** - Jack Russell, m/f, short, sweet, beautiful, \$1200, from loving home, gentle, playful, great w/kids. Linda, Ext. 5165.

**STALL FOR RENT** - center aisle, individual turnout, located next to Lab, ring and access to trails, \$550/month. Marlene, 338-5605.

### Tools, House & Garden

**BANDSAW** - Edison McGraw, double insulated w/tble elect. setup, \$40; 2 sets sawhorses, \$10/set; B&D circular saw w/new blades, \$40. 949-7412.

**CRAFTSMAN BELT & DISC SANDER** - Bench Top, 4 x 36 in. belt and 6 in. disc Sears item# 00921514000. Mfr. model# 21514. \$35. Ext. 2159 or 631-834-8255.

**CRAFTSMAN WOOD LATHE** - 12" incl. turning tools, \$75; wood shaper, Delta Model 43, 122 incl. raised panel cutters, \$250 Robert, Ext. 5163.

**LAWN MOWER** - Craftsman, rotary, 6.0hp, 22" rear discharge, like new, \$149. Hong-Bo, 751-0517.

**WOOD SHAPER** - Delta, Model 43-122 incl. raised panel cutters, \$250. Robert, Ext. 5163.

### Miscellaneous

**HORSE TRAILER** - Hawk brand 2 horse bumper pull trailer w/dresng rm, many custom options, 3 yrs old, excel. cond., \$10,500. Sandy, 902-8343.

### Free

**FISH TANKS** - 1-55 gal.; 1-30 gal. w/stand, gd. cond., u-pic-up. Stanley, 909-2642.

### Wanted

**EUROS** - will purchase at market value. Ext. 5322.

**KNITTING EQUIPMENT AND SUPPLIES** - are needed for the Hospitality Knitting group that meets Tues @2pm in the Rec Hall. All are welcome! Christine, Ext. 5090.

**RIFLES** - Starting a gun collection and looking mostly for rifles. Bob, 603-7261.

### For Rent

**BELLPORT VILLAGE** - lg 1bdm apt on 1st flr of 2-fam home; priv ent; lr, dr, kit, full bath, yd, incl util. \$1,235/mo. Jim, 275-0745.

**CENTER MORICHES** - Ground floor apt, 2 bdms, lr, kitchen, full bath, private patio, utilities included. \$1,300/mo. Jerry, 909-1801.

**EAST SETAUKET** - 2 bdsm. bsmt. apt., sep. ent., incl. all util. + network + US/Canada free

phone, close to shops, no smkg/pet, for single person. \$900/mo. Ext. 7496 or 828-8509.

**FARMINGVILLE** - lg bdrm. in house, full kit, l/r, d/r, share bath, incl. cable, wifi, phone, avail. 10/1. \$595/mo. Ben, 513-8275.

**MASTIC** - 3 bdrm, 2.5 bath victorian, eik, d/w, w/d, bsmt + 1 car gar., part furn. patio, ag pool. 7mi to BNL, rmmates, some pets ok, + util/sec. \$2,000/mo./neg. Carla, Ext. 5651 or 790-7179.

**MIDDLE ISLAND** - 1 bdrm, lg. bsmt apt., pvt. drwy/ent, phone, cable, int., incl. all, strictly no pet/smkg, quiet, close to Lab., 1 mo. sec. BNL employee only. \$920/mo. Istvan, Ext. 7020.

**NEW YORK** - E.River roommate wanted ASAP. master bdrm. available. 10x12' a/c, non-smkg, www.watersideplaza.com contact atsirrk410@yahoo.com \$1,500/mo. + util. Krista, Ext. 4887.

**SHIRLEY** - 1 rm, stove kitnet, full bath, sep. ent., tv, elect, heat, int., incl. 1 mo. sec. close stores/beach/LIRR, 14 mi. to lab/no smkg/pets. \$700/mo. Regis, Ext. 8321.

**SOUND BEACH** - Nice ground floor 1-bdrm apt. Pvt. driveway, deck & patio. New kitch/bath. 2-3 blocks from beach. Avail. Sept 10. \$1,000/mo. Elise or Paul, 631-744-4419.

**SOUND BEACH** - Sound Beach, beautiful colonial 2 story house, 4 bdms, 2 baths, bsmt., w/d, dishwasher, Miller Place SD. \$2,200/mo. 849-3767.

**SOUTH SETAUKET** - 5min to SUNY/Hospital, 25min to BNL, \$500/rm w/shared lg. kit/bth/play rm., prkg, cable/int., all util. incl., walk to shop center. \$550/mo./neg. 885-2229.

### For Sale

**PORT JEFFERSON STATION, NY** - 3 bdrm. Colonial, fin. bsmt w/poss. 4th bdrm, 1.5 bath, l/r, d/r, eik, app, 1/4 acre, gas heat, young families on quiet block. \$355,000 Joann, Ext. 7416 or 413-5012.

**PORT JEFFERSON STATION, NY** - 4 bdrm. colonial in Three Village SD, vinyl/brick, Minnesauke/Gelinas, gar., Gunite igp, f/p, sunroom/jacuzzi, 1/3 acre, fen. yd., 2 sheds, new roof \$500,000/neg. Ext. 2159 or 631-834-8255.

**SHOREHAM, NY** - Middlecross Estates, 4 bdrm., 2.5 bath Col., fml l/r and d/r, den w/ fp, lg. kit. w/dinette, 2 car gar., fin. bsmt., igs, SWRS, much more \$529,000/neg. Don, Ext. 2253 or 821-3320.

**SHOREHAM VILLAGE, NY** - spotless custom Ranch, 3bdm, 3bths, recently renov., 1 acre, borders pkland, wd flrs, pool, screened porch, igs, ask/ \$534,900/neg. 744-2404.

### In Appreciation

Our friends & coworkers have lifted our entire family with untold kindnesses that were bestowed upon us after the passing of our Dad, Gardner Boone. We thank you. - Christine Carter