

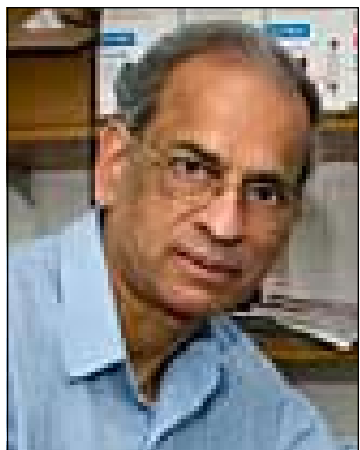
BNL, SBU Research Team Funded To Design Anti-Botulism Drugs \$1.4 million will aid in quest for new treatments

Scientists at BNL, in collaboration with researchers at Stony Brook University's (SBU) Institute of Chemical Biology & Drug Discovery (ICB&DD), were selected to receive up to \$1.4 million in applied research funds from the Department of Defense's Defense Threat Reduction Agency (DTRA) to develop drugs that block the paralytic and deadly effects of botulinum neurotoxins.

"There are currently no reliable treatments for botulinum toxin exposure," said Subramanyam Swaminathan of BNL's Biology Department, who leads the collaborative effort. "It is important to develop a drug that combats the neurotoxic effects to mitigate fears associated with this deadly poison, including the fear of its potential use in bioterrorism attacks."

Swaminathan has studied the botulinum neurotoxin proteins for over two decades and previously deciphered the structure of several strains of botulinum toxin using x-ray crystallography data he collected at BNL's National Synchrotron Light Source (NSLS). The multi-disciplinary research project combines his enzyme-inhibitor structure work with the expertise and resources of Iwao Ojima and Peter Tonge, both of SBU's Department of Chemistry, and Robert Rizzo from SBU's Department of Applied Mathematics & Statistics.

Botulinum toxins are poison-



Roger Stoutenburgh D2000408

ous proteins produced by *Clostridium botulinum* bacteria. The toxins destroy essential components of nerve cells that control muscle movement, which prevents muscle functioning and leads to paralysis and death. Most commonly known for causing botulism poisoning from canned foods and for their use in cosmetic surgeries, botulinum toxins are the most potent neurotoxins known to humans and are considered extremely dangerous due to their potential use as a large-scale bioterrorism agent.

Fueling the need for developing new drugs is the fact that the current treatment for exposure to botulinum toxin is only effective if administered prior to the toxin infiltrating target cells — a critical time period that may pass before a diagnosis is even made.

See *Anti-Botulism* on pg. 2

Eight BNL Scientists Are Granted Tenure

Brookhaven Science Associates (BSA) granted tenure effective December 1, 2009, to eight BNL scientists. They are: Mei Bai, Collider-Accelerator Department; Alexander Bazilevsky, Physics Department; Richard Ferrieri, Medical Department; David Jaffe, Physics Department; Ferdinand Willeke, National Synchrotron Light Source II; Guangyong Xu, Condensed Matter Physics & Materials Science Department; Hua-Gen Yu, Chemistry Department; and Anatoli Zelenski, Collider-Accelerator Department. Tenure appointments are granted by action of the BSA Board after a rigorous selection procedure overseen by the BSA Science & Technology Steering Committee. In making tenure deci-



R.S. D0860306 1



R.S. D0290106 2



J.R. D2860210 3



R.S. D0030310 4



J.R. D3040210 5



R.S. D0170310 6



R.S. D2720310 7



R.S. D2730306 8

1. Mei Bai; 2. Alexander Bazilevsky; 3. Richard Ferrieri; 4. David Jaffe; 5. Ferdinand Willeke; 6. Guangyong Xu; 7. Hua-Gen Yu; and 8. Anatoli Zelenski

sions, the BSA Board is advised by members of the Brookhaven Council, an elected body that advises the Director on matters affecting the scientific staff.

The Bulletin will be featuring the newly tenured scientists in alphabetical order: below are summarized the contributions of Bai and Bazilevsky.



Roger Stoutenburgh D0860306

Mei Bai

Mei Bai, a physicist in the Collider-Accelerator Department (CAD), was awarded tenure for her outstanding scientific achievements and contributions to BNL's mission in designing, constructing, and operating complex user facilities. In particular, she has made unique improvements to the spin physics program at the Relativistic Heavy Ion Collider (RHIC), beginning with a successful, novel technique that she designed for the Alternating Gradient Synchrotron during her graduate school career.

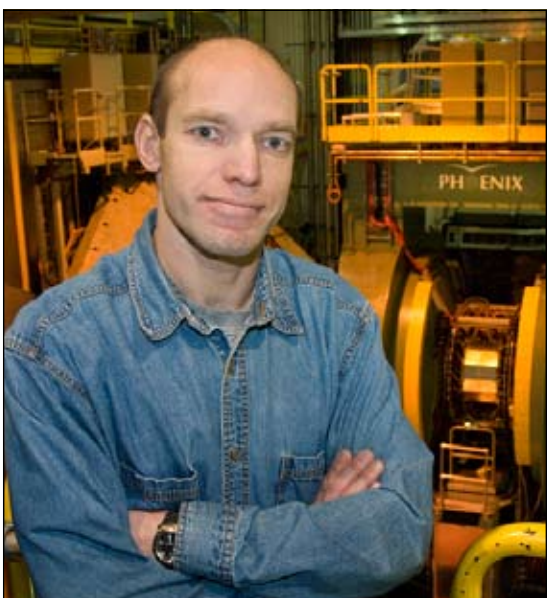
After earning her Ph.D. at Indiana University in 1999 with a thesis on "Overcoming intrinsic spin resonance by using an RF dipole," that won her the American Physical Society Division of Particles and Beams "Outstanding Doctoral Thesis Award," Bai joined the Lab that year as a research associate on the RHIC project. She accepted an associate scientist position in 2001 and was promoted to scientist in 2005.

"Mei is recognized worldwide for her innovative contributions to the field of spin accelerator physics as well as her experimental work on non-linear beam dynamics," said Derek Lowenstein, former C-AD Chair. "Additionally, she has been an excellent leader in her role as run coordinator for RHIC and has developed important accelerator applications and performance improvements."

The Asian Committee for Future Accelerators and the organizing committee of the 2010 First International Particle Accelerator Conference (IPAC'10) recently awarded Bai an early career prize by for her significant and original contributions to the field of accelerator research.

Bai has also made significant contributions to Brookhaven's mission through her role as the RHIC polarized proton run coordinator in 2004, 2005 and 2009, a position in which she was responsible for developing and implementing plans for commissioning new program aspects and continuing performance improvements.

— Tianna Hicklin



Roger Stoutenburgh D0290106

Alexander Bazilevsky

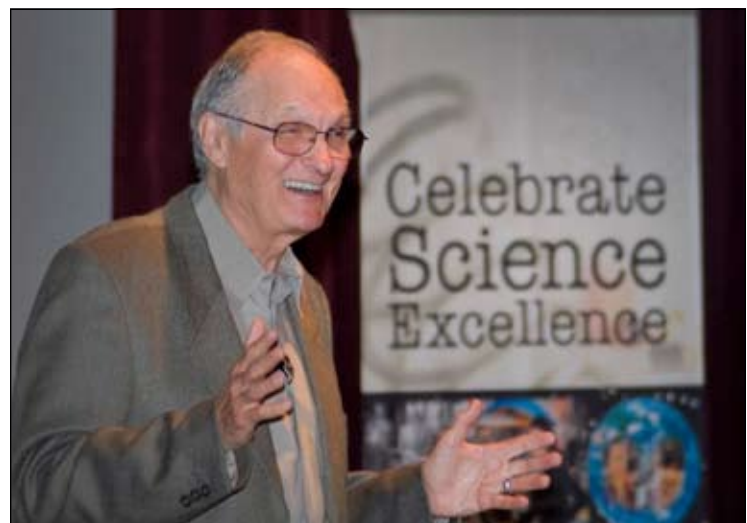
Alexander (Sasha) Bazilevsky, a physicist in the Physics Department, received tenure for his significant contributions to understanding quantum chromodynamics (QCD) phenomena in high-energy heavy ion collisions, and for his leadership in exploring the origins of nucleon spin through precision measurements of polarized proton collisions at the Relativistic Heavy Ion Collider (RHIC).

Bazilevsky received his Ph.D. in 1999 at the Institute for High Energy Physics (IHEP), in Protvino, Russia, for his work on a novel electromagnetic calorimeter for the PHENIX detector at RHIC. He then came to BNL as a research associate in the RIKEN BNL Research Center (RBRC), becoming an RBRC fellow in 2002 and joining the BNL staff in 2003, working as a member of the RHIC PHENIX collaboration throughout.

"Among his many contributions, Sasha has played a central role in two of the most important, fundamental outcomes of the RHIC experiments," said Tom Ludlam, Physics Chair. "One was the discovery of a dense final-state medium consistent with quark-gluon plasma in the theory of QCD. Also, he took the lead in making a seminal measurement that allows direct confrontation of QCD theory with experimental measurements in heavy ion and polarized proton collisions by confirming the validity, at RHIC energies, of 'perturbative' approximations to QCD theory that allow meaningful predictions to be calculated. His scientific accomplishments and record of leadership in the RHIC program fully warrant his promotion to tenure."

Bazilevsky's high standing among his peers in the field is indicated by the large number of high-profile invited talks that he has given worldwide. He is a principal co-author on 11 PHENIX papers and has also effectively mentored five Ph.D. students and other young researchers.

— Tianna Hicklin



Roger Stoutenburgh D1280410

Alan Alda talks about the importance of engaging the public's interest in science at the Science Communication Workshop held at BNL on April 9.

Science Communication Workshop Helps Scientists Explain Research

Alan Alda, actor and host of PBS's "Scientific American Frontiers" series, captivated an audience of nearly 300 researchers and support staff at the Science Communication Workshop held on April 9 at BNL by talking about wooing public interest in science. The day-long workshop, presented by the Center for Communicating Science — a cooperative venture of BNL, Stony Brook University, and Cold Spring Harbor Laboratory — focused on how to tell the public engaging stories about scientific research.

"Science is a great detective story," Alda said. "But not if you tell us who the killer is before we know that there was a murder, and not if you fail to lead

us through the blind alleys you went down."

His motivational message equated capturing the public's interest in science with the three stages of falling in love. The first stage, inflaming interest, is similar to going on a blind date, he explained: you must win over your date's interest with engaging body language and tone, a skill taught in the improvisational workshops later in the day. The second stage, infatuation, is about learning to engage a person's emotions by telling captivating stories. Finally, Alda spoke about the third stage: winning over a person's commitment to learn more and gain a deeper understanding.

See *Sci. Communication* 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.
- Events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes

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

Mondays & Thursdays: Kickboxing

\$5 per class. Noon–1 p.m. in the gym. Pay as you go. Ext. 2873.

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

Noon–1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tuesdays: Zumba

Tuesdays, noon–1 p.m. Gym. Registration is required. Ext. 2873.

Tuesdays: Knitting Class

2–4 p.m. Rec. Hall. All levels of skill. Free. Ext. 5090 for information.

Tuesdays: Toastmasters

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

Tue., Wed., & Thurs.: Rec Hall Activities

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

Tuesday & Thursday: Aqua Aerobics

5:30–6:30 p.m., Pool. Registration is required. Ext. 2873.

Wednesdays: On-Site Play Group

10 a.m.–noon. Apartment area playground. Infant/toddler drop-in event. Parents meet while children play. Ext. 2873. See also <http://www.meetup.com/BNL-Playgroup/>

Wednesdays: Ballroom Dance Class

Classes at 5:15, 6:15, and 7:15 p.m., based on experience. N. Ballroom, B'haven Center. Donna Grabowski, Ext. 2720.

Wednesdays: Yoga

Noon–1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, 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. Tim Devine, Ext. 2350.

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. Ext. 2873.

Fridays: Family Gym Night

5–8 p.m. Family gym activities. Free. Ext. 2873.

Remembrances

James Sanford

Professional and personal friends of Jim Sanford will give remembrances on Monday, April 26, at 3 p.m. in the Snyder Seminar Room, Bldg. 911.

Allen Goland

Friends and colleagues of Allen Goland will meet for arranged and impromptu remembrances at 2 p.m. on Saturday, May 1, in the Snyder Seminar Room, Bldg. 911.

Fidelity Counseling

A Fidelity representative will be on site on Friday, May 7. Sessions will be for half an hour. For an appointment, call 800-642-7131, weekdays, 8 a.m. – midnight, or go to <http://www.fidelity.com/atwork/reservations>.

Arrivals & Departures

— Arrivals —

Kotaro Kondo	C-AD
Konstantinos Nikolopoulos....	Phys.
Scott Thilberg	Maint.&Fab.
Robert Scarduzio.....	Mod. Proj.
Matthew Vescovi	C-AD
Mark Wahlert	Info. Tech.
Charles Weilbrenner	NSLS II

— Departures —

Joshua Allen	S&HS
Jorge Camacho	CMP&MS
Christian Ouellet	ES&T
Diktys Stratakis.....	Phys.

310 + 109 + 243 = 662 Safe Days For Fire Rescue

Among BNL occupations, an inherently risky one is that of firefighter. From the time calls come in, firefighters rush to respond to urgent situations that may threaten life and limb — including their own.

Although firefighters have a high risk of work-related injury, occupational safety studies have found policies and best practices that can reduce firefighters' rate of accidents.

BNL's Fire Rescue Group implemented both, starting with changing the group's attitude. From the nine officers to the 21 firefighters within three shifts, "We went from thinking that, because of the inherent risks of the job, people will get hurt, to the attitude that no one has to get hurt," explains Chief Chuck LaSalla.

The result: First, a run of 310 days between April 2008 and February 2009 with no injuries, which ended with a lost-time slip-and-fall on ice. Then 109 days of safety between February and May 2009, interrupted by a muscle pull that resulted in restricted duty. And, most recently, 243 injury-free days, stopped by a lost-time injury occurring during firefighters' paid lunchtime and involving a private vehicle.

"That adds up to 662 days during which our new attitude and effort worked," comments the Chief. "We are proud of our record, but we are also learning from our injuries."

Fire Rescue began rethinking its approach in April 2008, after four of 28 personnel participating in training got hurt — two



The Facilities & Operations Directorate and the Laboratory Protection (LP) Division, in which the Fire Rescue Group is situated, recently held pizza celebrations for each of Fire/Rescue's three crews, to honor their safety record. At the lunch for Fire Rescue's Blue Shift are: (back from left) Deputy Chief Timothy Kelly, Firefighter Lee Brett, Firefighter Gary Rider, Lieutenant James Forkin of the Red Shift, Captain Michael Hickey, Firefighter John Foley, Firefighter Jim Yerry of the Red Shift, (front from left) LP Division Manager John Amabile, Firefighter James Maire, Firefighter Danielle Golden, and Chief Chuck LaSalla.

seriously enough to lose work time.

Explains LaSalla: "We were jumping out of a third-story window, practicing using a bail-out system," which is a safety belt attached to 50 feet of rope with a hook at the end, all of which is used to rappel down a structure. With nearly 15 percent of participants injured in practicing this standard technique, Fire Rescue's training was curtailed for months while lessons learned and training methods were evaluated.

"Our management told us that this accident rate was unacceptable and that we had to

use our expertise to reduce the risk to our people," comments the Chief.

And so they did. What they found was that risk reduction for Fire Rescue boiled down to two concepts: work planning and control, and practice, practice, practice.

LaSalla explains: "As another emergency services manager put it to me, 'If you think about firefighting the way you do football, what is the first step coaches take? They make a plan and put it on the board for all to see and discuss. Coaches then don't throw their teams out onto the field for full-

fledged games. They drill every move, put the moves together into plays, and hold practice games. Only then do they go out to compete.' "

Learning from the three injuries: "We update every shift on how to plan and control for the inherent risks of the day's weather; we practice lifting techniques; and we are extending on-the-job safety to lunchtimes and our lives off the job," concludes LaSalla. "And the Facilities & Operations Directorate management has been fully supportive of our new approach."

— Marsha Belford

Change to Use of Sick Family Member Time

A BNL 'Family Friendly' Benefit

Based on a recommendation by the Family Friendly Committee, the Benefits Office has modified the usage of sick family member leave. Previously, an employee could use sick time to assist a sick family member on five occasions (up to eight hours per occasion) for the payroll year. As of 2010, all regular full-time and eligible part-time employees who are not members of a collective bargaining unit may use up to 40 hours of sick time per payroll year (with a minimum usage of two hours each time). For this benefit, a family member is a spouse, same-sex domestic partner, parent, or dependent child. Supervisors may require a medical certification or other documentation for the absence. For members of collective bargaining units, the terms of the labor contract will determine the benefits in this area.

LIANS Dinner Meeting, 5/4

At the next dinner meeting of the Long Island Chapter of the American Nuclear Society (LIANS), on Tuesday, May 4, the invited speaker, Sam Petrosi of Burns & Roe Enterprises, Inc., will talk on "Gen III + Reactors in the Global Market." The meeting will be held at South Shore Restaurant, 388 Medford Ave., Patchogue: complimentary appetizers/cash bar, 6 p.m.; dinner, 7 p.m.; Petrosi's talk, 8 p.m. \$25/person. To reserve, call Arnie Aronson, Ext. 2606, by Monday, May 3.

Anti-Botulism from pg. 1

The DTRA-funded project focuses on four main drug development goals, including: deciphering the structure of enzyme-inhibitor complexes, screening large databases for candidate molecules and peptides that block the active sites of multiple botulinum toxin strains, synthesis of novel compounds and modification of molecules for broad spectrum use, and applying medicinal chemistry to optimize these compounds' design.

Because there are seven different strains, or serotypes, of botulinum toxin — four of which affect humans — one important aspect of the project is developing a single drug that

blocks the toxic effects of multiple strains.

"When afflicted by the neurotoxin, you don't know which serotype you were infected with," Swaminathan said. "Finding one common drug is useful because otherwise the specific serotype would need to be identified before treatment."

The drug development effort is the first consortium award between BNL and ICB&DD.

The NSLS is supported by the DOE Office of Science. The beamlines at NSLS used for this research are supported by the DOE Office of Science and the National Center for Research Resources at the National Institutes of Health.

— Tianna Hicklin

CELEBRATE

EARTH WEEK

April 19–25

Hybrid Vehicle Display – BNLers, Bring Your Hybrid

Friday, 4/23, 10 a.m. – 2 p.m. Berkner Hall parking lot

Learn how to help reduce air emissions while enjoying increased fuel economy. See what's new in the world of hybrid vehicles. BNLers are also welcome to bring their own hybrid vehicle to display and speak with other coworkers on the benefits of ownership. For more information, contact Jeff Williams, Ext. 5587. Please note that this event may be cancelled in case of bad weather.

BNL Booth at Indian Point County Park Celebration

Sunday, 4/25, 10 a.m. – 4 p.m.

The Environmental Protection Division will represent the Lab at a booth, which includes a number of popular interactive displays and giveaways. This free event includes exhibits, nature walks, beach grass planting, trail clean-ups, live entertainment and food. Bring your family and friends and show your support for BNL and Earth Day. For more information, contact Jason Remien, Ext. 3477.

Sci. Communication from pg. 1

"Don't be afraid to share your excitement about science," Alda said. "We will get caught up in the emotion of it. Let's tell stories and excite the lust in one another for the curiosity that we have and let's fall in love with science."

Following Alda's opening remarks, a panel of scientists and communication experts discussed public perception of science and ways to increase society's understanding of science. The rest of the afternoon encompassed workshops that provided scientists with tools they can use to awaken and stimulate public interest in science.

The first workshop, which attracted about 75 participants,

focused on how to distill a clear message with planning and preparation. The participants then broke into small groups for seminars including improvisational theater games that taught engaging public speaking skills; writing workshops that provided tools for lending one's voice to societal issues, such as by writing op-ed articles; and workshops about technologies, such as social media and blogs, that allow more direct communication with the public.

For more information about the Center for Communicating Science or future science communication workshops, see <http://www.stonybrook.edu/journalism/science/>.

— Tianna Hicklin



Mort Rosen CNA-544-88



Joseph Rubino D280907

NSLS/CFN Users’ Meeting, 5/24-26

The annual Joint National Synchrotron Light Source (NSLS) and Center for Functional Nanomaterials (CFN) Users’ Meeting will be held from Monday, May 24 through Wednesday, May 26, providing a venue for scientists from diverse disciplines who use the NSLS and CFN facilities to share their work and discuss future directions for their research. New research results and advances in experimental capabilities in synchrotron radiation and the nano-sciences will be highlighted.

This year’s theme will focus on “Climate Change” and how synchrotron-based research and nanoscience will impact understanding and mitigation of the potential global effects. The Tuesday main meeting and plenary session, open to all, will feature William F. Brinkman, Director of the DOE Office of Science, who will give the key note address. Also included will be scientific talks on climate change studies; updates from DOE Basic Energy Sciences program managers; and overviews from Sam Aronson, BNL; Steve Dierker, Light Sources; Chi-Chang Kao, NSLS; and Emilio Mendez, CFN. The program includes invited talks, workshops, a poster session, and exhibits showcasing new technology and instrumentation.

BNL employees and guests are also welcome to register for workshops, and other meeting events (registration and a nominal fee are required). For more information, go to: <http://www.nsls.bnl.gov/users/meeting/page.aspx?id=home>.

Major Roadwork on Princeton Avenue In May

BNL’s Site Services Division and Office of Emergency Management are collaborating with several other groups on site to prepare for major roadwork along the eastbound lanes of Princeton Avenue from the security booths at the main gate through the intersection with Upton Road. If weather permits, the project will begin on Thursday, May 6, and the job should be completed in six days. Look for more information in next week’s Bulletin.

Smashing Protons to Smithereens, 5/5 Talk on ATLAS Detector Search for Origin of Mass

During a free and public talk in Berkner Hall at 5:30 p.m. on Wednesday, May 5, Marc-André Pleier of the Physics Department will discuss the extraordinary research taking place at the Large Hadron Collider (LHC) — the world’s newest, biggest, and highest energy particle accelerator, located at CERN, the European physics lab in Switzerland. Pleier is one of hundreds of researchers from around the world working on ATLAS, a seven-story particle detector positioned at a point where the LHC’s oppositely circulating beams of protons slam into one another head-on. Within the debris produced from these high-energy collisions, researchers are searching for evidence of a particle called the Higgs boson, which is thought to be responsible for the mass of all particles — and us.

All are welcome to this talk, which is part of an international series of public lectures by scientists who perform their research at the LHC. Visitors to the Lab of 16 and older must carry a photo I.D. More information about other lectures in this series can be found at http://www.uslhc.us/lecture_series/lecturers/index.html.



BSA Noon Recital La Catrina String Quartet, 5/5

La Catrina String Quartet will perform on Wednesday, May 5, at noon in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages the Lab, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo I.D.

Hailed by Yo Yo Ma as wonderful ambassadors for music, the La Catrina Quartet is one of the most soughtafter ensembles on tour today. The Quartet has a mission to perform masterworks of the string quartet repertoire, while also promoting Mexican and Latin American art music.

This season they will be featured in concert series throughout the US and Mexico and will conduct several quartet residencies during the summer. They come to BNL on the day following their debut performance at Merkin Hall in New York City.

Fire Response in an Emergency

Fire in the workplace is a potential hazard faced by all staff. Knowing what to do and whom to notify at BNL could save your life and the lives of those around you.

First, if you discover a fire, you MUST transmit an alarm immediately. Do this by calling 911 or Ext. 2222 from any on-site phone, or 631-344-2222 from a public phone or cell phone, to report the fire. Alternatively, you can activate the nearest manual fire alarm pull-box, which is usually located near the exit door. Ensure that everyone has evacuated the area, and arrange for someone to meet the arriving firefighters and direct them to the fire location. Then, and only then, consider using one of the fire extinguishers located in each work area to try to put out the fire.

Using a Fire Extinguisher

When should you use a fire extinguisher? Portable fire extinguishers are not designed to fight large or spreading fires. Even against small fires, they are useful under only the right conditions:

- The extinguisher must be rated for the type of fire at hand.
- The extinguisher must be large enough to put out the fire. Most portable fire extinguishers are fully discharged in as little as eight seconds.
- The extinguisher must be within easy reach, in working order, and fully charged.
- You must know how to use an extinguisher. You will have no time to read directions in an emergency.
- You must be strong enough to lift and operate the extinguisher.
- The fire must be contained to the immediate area.

To the best of your ability, determine what is burning and make sure you have the proper type of extinguisher for the fire. Fire extinguishers are classified according to their ability to handle specific classes and sizes of fires. The labels found on extinguishers provide that information.

Be certain that you have a way to escape both before and after you use an extinguisher. Do not fight a fire if it is too large, or if you do not feel confident that you can extinguish the fire safely. *Always* keep your means of egress available — that is, don’t let the fire get between you and your escape route.

For more information on the different types of fire extinguishers and their proper use, see <http://training.bnl.gov/course/FireExt/post/index.htm>.

Environmental Stewardship Awards — Nominations Due May 21

As part of the Lab’s Earth Week celebration, the Environmental Protection Division will accept nominations for BNL’s 2009 Environmental Stewardship Awards. The Lab is committed to environmental stewardship and sustainability, and the awards will show appreciation to those employees who help make BNL a sustainable workplace.

Nominees for the 2009 Environmental Stewardship Award will have contributed to BNL’s environmental sustainability programs, including:

- Waste minimization
- Pollution prevention
- Energy and water conservation
- Recycling
- Procurement and use of sustainable materials
- Environmental compliance

If you believe that you or someone you know should be recognized for leadership in environmental stewardship and sustainability, forward the following information to Karen Ratel, Bldg. 120, no later than May 21.

- Your name, extension, division, building number
- Nominee name, extension, division, building number
- Description of employee’s contribution, with supporting documentation

If you have any questions, call Karen Ratel, Ext. 3711.

AdoptaPlatoon T-Shirt Sale

The Brookhaven Veterans Association’s AdoptaPlatoon team is taking orders for T-shirts to benefit a platoon in Afghanistan. The shirts are \$15, sizes small to 4X. The AdoptaPlatoon team will be in Berkner Hall lobby and Bldg. 400 lobby on Friday, April 30, and Friday, May 14, 11:30 a.m.-1 p.m. Also needed are sunblock, baby powder, and individual packets of powdered drinks. Drop items in Bldg. 490, the Clinic; Bldg. 400 lobby; or Bldg. 488 lobby. Thank you so much.



Joseph Rubino D4510410

CALENDAR

— THIS WEEKEND —

Friday, 4/23

***Earth Week: Hybrid Vehicle Display**
10 a.m. -2 p.m. Berkner parking lot. See pg. 2.

***BERA Spring Fling**
6-11 p.m. Brookhaven Center. See pg. 4.

Sunday, 4/25

***BNL Earth Day Booth**
10 a.m.-4 p.m. Indian Point County Park. The Environmental Protection Division will hold a BNL booth of interactive displays for the Earth Week celebration. See pg. 2.

— WEEK OF 4/26 —

Monday, 4/26

***Defensive Driving, Part I**
6-9:15 p.m. Berkner Hall, Room B. See notice below.

***Remembering James Sanford**
3 p.m. Snyder Seminar Room, Bldg. 911. See pg. 2.

Tuesday, 4/27

BNL Distinguished Lecture: Space
4 p.m. Berkner Hall. Valery A. Rubakov, chief scientist at the Institute for Nuclear Research at the Russian Academy of Sciences, will talk on “Extra Dimensions of Space: Are They Going to be Found Soon?” All are welcome to this free lecture, sponsored by Brookhaven Science Associates and open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

Wednesday, 4/28

***Musicians Perform at Noon**
Noon. Berkner Hall. Nguyen Thanh Thuy and Ngo Tra My will perform traditional Vietnamese instruments. Sponsored by the Asian Pacific American Association and the Diversity Office, the concert is free and open to the public. Visitors to the Lab of 16 and older must carry a photo I.D. See pg. 4.

Thursday, 4/29

***Defensive Driving, Part II**
6-9:15 p.m. Berkner Hall, Room B. See notice below.

Saturday, 5/1

Remembering Allen Goland
2 p.m. Snyder Seminar Room, Bldg. 911. See pg. 2.

— WEEK OF 5/3 —

Wednesday, 5/5

***BSA Noon Recital, String Quartet**
Noon. Berkner Hall. See left.

***Talk on Smashing Protons**
5:30 p.m. Berkner Hall. See left.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday, May 4; Wednesday, May 5; Wednesday, May 12; Tuesday, May 18; Wednesday, May 19; and Tuesday May 25, to answer employees’ questions about financial matters. For an appointment, call 1-800-732-8353 or go on-line at <http://www.tiaa-cref.org/bnl> and select “set up a meeting.”

Defensive Driving In Two Parts, 4/26, 29

The next Defensive Driving (Point & Insurance Reduction) course will be held in two parts, on Monday and Thursday, April 26 and 29, in Berkner Hall Room B, 6-9:15 p.m., at \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Or take a New York DMV approved course (Use code: “SAVE10” for \$10 discount) online: <http://www.lidrivesafe.com/>.

Change Ahead In Where You Find Many BNL Job Ads

Effective May 1, Human Resources (HR) will advertise most positions available at BNL only on the HR "Jobs" webpage: <http://www.bnl.gov/HR/careers>. These positions will no longer be advertised in the Bulletin. This change to essentially an all-web-based process will allow immediate, real-time, posting of positions, streamline the hiring process, and align BNL's job posting policy with that of other labs and organizations. Union positions will continue to be advertised in the Bulletin, as may certain other positions that are identified by HR and hiring managers as appropriate for the Bulletin readership (specifically, but not limited to, those jobs open to Lab employees only).

Classified Advertisements

Placement Notices

Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at <http://www.bnl.gov/HR/jobs/>.

To apply for a position, go to www.bnl.gov. Select "Job Opportunities," then "Search Job List."

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

ADMINISTRATIVE ASSISTANT/ SENIOR ADMINISTRATIVE ASSISTANT (A-4/A-5, reposting) - Requires some form of secretarial or office administration training, plus eight years of experience including two years at BNL in a similar or current role. A bachelor's degree in a business or related field may offset qualifying experience, with the exception of the two years experience at BNL in the current or similar role. Requires excellent communication and interpersonal skills including an in-depth knowledge of Laboratory practice, policies, and procedures. Must possess proficiency in MS Office Products such as Word, Excel, PowerPoint, Access and Outlook as well as a strong working knowledge of PeopleSoft. Responsible for assisting the Manager of the Office of Technology Commercialization and Partnerships (TCP), in the coordination and direction of the team dealing with innovation management, external partnerships and new business development for BNL. Collects and analyzes data, and summarizes findings on complex assignments and projects related to intellectual property, laboratory business development, partnerships and the general business of TCP. Has a wide variety of high-level contacts both within and outside the Lab which are considered significant and critical to the efficient operation of the office and its functions. Coordinates administrative functions effectively with administrative staff specialists within TCP and in the BNL Intellectual Property Law group. Regularly applies independent judgment and is capable of representing BNL effectively with external organizations and partners. Arranges conferences and meetings, attends meetings and records minutes for distribution. Recommends, initiates, and implements policies, practices, and procedures in areas of functional responsibility. Screens and responds in a business-friendly way to inquiries and administrative issues involving both routine and non-routine matters for which there might not yet be an established practice, policy, and procedure. Technology Commercialization and Partnerships. Will be placed at the A-4 or A-5 level dependent upon years of Brookhaven-related experience and current classification. Apply to Job ID #15281.

CUSTODIAN POSITIONS (Temporary) LG-1 - Under general supervision, performs general cleaning and housekeeping duties in all Laboratory buildings. Site Services Division. Apply to Job ID #15311.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE (X-ray crystallography, membrane protein, biochemistry) - Requires a Ph.D. in biophysics with a strong background in X-ray crystallography. Will work on structure determination of several membrane proteins, including a *de novo* structure for

which diffracting crystals are available. The projects are challenging, yet highly rewarding for career development (<http://www.bnl.gov/biology/People/Fu.asp>). BNL offers competitive compensation commensurate with relevant experience and qualifications. When electronically applying for this position, please submit (in one document) a CV, a description of research interests and list the names and email addresses of three references. Under the direction of D. Fu, Biology Department. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #15319.

POSTDOCTORAL RESEARCH ASSOCIATE (X-Ray Diffraction, Pair Function Distribution, Transmission Electron Microscopy) (REPOSTING) - Requires a Ph.D. in materials science, physics or nuclear engineering. Knowledge of X-ray diffraction, synchrotron techniques, irradiation damage and high-temperature structural materials is highly desirable. Experience with Pair Function Distribution analysis (PDF) and Transmission Electron Microscopy (TEM) is also desired. Will work in a team environment and interface with scientists and other synchrotron users. Will also be responsible for data collection, complex data analysis techniques and software and report writing. Will contribute to a new research project involving the characterization of materials for advanced energy systems under extreme conditions, such as high temperature and radiation flux, using the techniques available at the National Synchrotron Light Source. Under the direction of M. Todorow, Energy Science & Technology Department. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #14911.

ASSISTANT LABORATORY DIRECTOR, ENVIRONMENT, SAFETY & HEALTH (ES&H, M-5) - The Assistant Laboratory Director (ALD) for Environment, Safety & Health (ES&H) is a senior management position that reports to the Laboratory Director. As an active member of the senior management team at Brookhaven National Laboratory (BNL), the ALD ES&H provides ES&H leadership for the Laboratory. The ALD also manages the activities of ES&H Directorate, providing organizational leadership, strategic direction, and personnel development. The ALD ES&H is also responsible for the optimal deployment of ES&H services across the laboratory to ensure full implementation of ES&H systems and requirements. This position requires direct experience working with senior management to develop and implement institution-wide Environmental Management and/or Safety strategy(s), as well as line management experience commensurate with a senior management position. A key area of strategic focus for BNL is to enhance the Laboratory's safety culture. Requires direct experience with implementation and registration of recognized national voluntary standards (e.g. OSHA VPP, ISO 14000/14001, OHSAS 18000/18001, or Responsible Care), preferably within a research environment. Experience working with regulatory agencies such as NYS (or other), EPA, and OSHA required. Experience working within a Department of Energy facility, professional certification and/or registration, and an advanced degree are all highly valued attributes. Director's Office. Apply to Job ID #15256.

PHYSICAL THERAPIST - ON-CALL/PER DIEM (A-6) - Requires a Bachelor's degree or higher from an accredited Physical Therapy program and licensure as a Physical Therapist in NY State. Outpatient experience is necessary and training in manual therapy is a plus. The per-diem position is for coverage for sick and personal days. The candidate should have excellent customer service skills. Will provide and oversee the delivery of safe, current and effective physical therapy evaluation and treatment techniques. Human Resources and Occupational Medicine Division. Apply to Job ID #15295.

ELECTRONIC TECHNICAL ASSOCIATE II (T-4, reposting) - Requires a technical institute or associate's degree in electronics or electronic engineering, and six years' relevant work experience, with demonstrated competence in: electronics, RF systems, Linear Accelerators and associated magnet power supplies. Will plan, construct and operate various R&D experiments under general technical direction and with considerable latitude for the exercise of a high degree of initiative and judgment. Assignments will be in the fields of electrical, electronic, mechanical assembly and mechanical fabrication techniques. Ultra High Vacuum experience or experience with lasers is a plus. Will support Accelerator R&D Division research personnel with a number of R&D experiments. Collider-Accelerator Department. *ERAP Eligible: \$500. Apply to Job ID #15211.

SR. TECHNICAL SPECIALIST/TECHNICAL ASSOCIATE II (T-3/T-4) - NSLS-II INSERTION DEVICES - Typical activities will include precision machining, fabrication and assembly of complex parts and mechanical systems to support the Insertion Devices Group operation. Additional duties will include assisting in the magnetic measurement with related assembly and adjustment required to meet extremely precise specifications. Qualifications Required: Associate's degree in mechanical technology

or related field or equivalent capabilities, plus a minimum of six years' relevant work experience; extensive experience performing precision machining of a wide variety of materials using common machine tools; lathe, mills, drill press, and saws; must be detail oriented with the ability to fabricate and assemble complex parts and mechanical systems from prints, hand drawings and through verbal communication within very tight tolerances; knowledge in the safe use of power hand tools, acetylene torch and inspection tools; ability to climb ladders, occasionally operate forklifts and perform incidental basic machine support tasks; must have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientist, technical staff and users. Qualifications Preferred: Experience with permanent magnets, ultra-high vacuum (leak checking and operation of vacuum pumps and gauges), cryogenic, motion control and water cooling systems; and experience with software such as AutoCAD Inventor, Excel, Igor Pro and LabVIEW. *ERAP Eligible: \$500. National Synchrotron Light Source II. Apply to Job ID #15323.

SR. DRAFTER (TW-3) - Requires an AAS degree in drafting/design or an equivalent combination of education and experience, working knowledge of architectural and structural design fundamentals; the ability to effectively use AutoCAD, and a general understanding of building design and construction. A high degree of proficiency in drafting skills and general problem solving of fit and function is also required. Experience with Brookhaven's standards for safety and work planning; as well as an understanding of how to effectively plan, manage and implement a Brookhaven digging and/or aggressive penetration permit is preferred. Under the general direction of a Senior Architect/Structural Engineer, performs general design and detailing in support of conventional facility projects within the Modernization Project Office. Develops architectural/structural drawings including floor plans, sections, and details. Work assignments will be on a task by task basis and may require field visits as well as interaction with outside contractors. This individual will need to have excellent communication skills in order to maintain close contact with the Architect/Structural Engineer as well as other members of the project team. Modernization Project Office Apply to Job ID #15320.

"ERAP stands for "Employee Referral Award Program." When a BNL employee refers a person for ERAP eligible career opportunities and that person is hired, the employee gets a referral award, either \$500 or \$1000, as reflected in the posted job description. All opportunities are listed at <http://www.bnl.gov/hr/careers/> and employees may also log on to view all ERAP-eligible positions and sign up for automatic alerts. For more information, contact Nancy Sobrito at sobrito@bnl.gov.

Motor Vehicles & Supplies

08 TOYOTA CAMRY LE - 16K mi. a/t, V6, 3.5L eng, orig warr, denso pedal, pwr all, airbags, loaded. \$15,990. 473-7832 eves.
06 RMZ-250 SUZUKI - new in Dec. '06, less than 50 hrs use, 4-stroke motor/cross bike, \$2,600 neg. Ext. 4548, 872-5083.
06 SUBARU IMPREZA STI - 42K mi. 300hp, Turbo, 6spd, AWD, tint, new tires, syn. oil only, grt cond, \$23,000 neg. Ext. 3528.
05 KZ FRONTIER 25' TRAVEL TRAILER - slps 8-10, 2 sets bunks, q/sz sofa sleeper, dinette, futon, loaded, \$13,500 neg. 275-0745.
97 ACURA 2.5 TL - 155K mi. 4 new tires/2 yrs old, new batts, new eng plugs. \$2,500 neg. Jian, 344-2478.
91 HYUNDAI EXCEL - 150K mi. a/t red, clean, runs well. \$1,350 neg. 979-7043.
CONE AIR FILTER - high flow w/metal air intake tube can be adapted to fit most vehicles, \$50. Doris, 979-7043.
DODGE TONEAU COVER - LEER Fglass, fr '01 Dodge Ram 80" bed pickup, incl all mounts, etc, excel cond/\$200. 516-901-3050.
FORD 302 CRATE MOTOR - new "long block", still crated, man. shift flywheel, roller rockers, 240HP, \$1200. 516-901-3050.
FORD DASHBOARD PIECES - like new, fits '05-'08 Mustangs, \$200. 516-901-3050 or ksxenton@bnl.gov.

Boats & Marine Supplies

17' AGUATERRA OCEAN KAYAK - floatation fore & aft, rudder spray skirt. \$350. 375-3035.
MUSHROOM MOORING ANCHOR - 200lbs, gd eye and stem, has bouy but no chain, ask/\$200. John, Ext. 2788.

Lost & Found

BLACK SUN GLASSES - left on shelf, men's bathrm, Rec Hall/bldg 371 on Wed, 4/7, 5:30pm, thanks. Alistair, Ext. 2948.

Furnishings & Appliances

APPLIANCES - kit refrigerator/\$100/obo, nat. gas oven/stove/\$75/obo, both in gd working cond. Don, Ext. 2253, 821-3320.
BERNHARDT DINING ROOM SET - mint, light Maple d/r set incl 6 chairs, hutch/\$875. 848-1022.
BOOKCASES - white laminated 72"L x 28"W x 11-1/2"D, \$30; 29"L x 28"W x 12"D, \$25. Doris, 979-7043.
CHILD/TEEN BUNK+DESK BED - all wood, desk pull out bed lists/\$1659, ask/\$500, see pix 379-0742, RRJE4019@MSN.COM.
DANA CRIB AND CHANGING TABLE - by Pottery Barn, \$250 for all. 744-8792.



R.S. D3160397

Spring Fling Tonight! 4/23

Enjoy DJ Dancing with your friends at an "After Work Bash" tonight, Friday, April 23. The party starts at 6 p.m. in the Brookhaven Center North Room and will go until 11 p.m. Dance, pick up some food at the Center Club, and try your luck in the 50/50 raffle. Tickets are available for \$5 each at the BERA Store in Berkner Hall. For more information, call Kevin Hester, Ext. 2953, or Charles Gardner, Ext. 5046.

Musicians From Vietnam To Perform, 4/28

Nguyen Thanh Thuy, playing the Dan Tranh, and Ngo Tra My, playing the Dan Bau, are two prize-winning musicians from Vietnam who will give a recital of these traditional Vietnamese instruments on Wednesday, April 28, at noon in Berkner Hall. Sponsored by the Lab's Asian Pacific American Association and the Diversity Office, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo I.D.

Frank Latorre & the King Bees Play Blues, 5/8 Special guest Maggie Harrigan to open the show

Frank Latorre and the popular Long Island blues band King Bees will perform on Saturday, May 8, at 8 p.m. in Berkner Hall. Maggie Harrigan, singer, songwriter, and guitarist, will open the show. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab 16 and older must bring a photo I.D. Tickets are \$20 in advance and \$25 the day of the show. Buy tickets at the BERA Store or through <http://www.ticketweb.com>.

DRESSER - solid oak, two over two, 42w x 19d x 35h, \$150. 878-9020, sivertz@bnl.gov.
ENTERTAINMENT SYSTEM CABINETS, 2 - mving sale: 1 oak armoire style; other more open oak design \$50/ea/obo. Ext. 7137.
PORTABLE WASHING MACHINE - Haier, 1-Cubic Foot like new/\$120. Ext. 3319.
TV ENTERTAINMENT UNIT - oak, 58"x58", holds 27" TV/incl; spaces for components, photo, \$175/obo. 375-7264.

Audio, Video & Computers

AMPLIFIER - MTX 280 watts W/MTX box, 2/10" woofers 1/2 not working, 2/tweeters \$50. Doris, 979-7043.
DELL DIMENSION 4600 DESKTOP - Intel Pentium 4, 2.4 GHz, 512MB RAM, 128MB NVidia GeForce FX5200 graphics card, 40GB HD, CD ROM, more. \$200. Ext. 7570.
KILLZONE 2 FOR PS3 - never used, still under wrap, \$30. Guillaume, Ext. 8215.
MAC 6400VEE COMPUTER - video editing ed, OS 8 & 9, 40 GB HD, w/net card, inc. kbd, mon, mouse, trkblt, flt stick, many prgms, \$250/obo. 821-3320.
SPEAKERS - 2/JVC, 36" tall, wood look, gd cond, \$30/both. Lois, 375-7264 or lo-bob12@optonline.net.

Sports, Hobbies & Pets

DOG'S TIE-OUT CABLE W/STAKE - sturdy spiral stake and tie-out cable approx 18"L, \$15. Jane, Ext. 2198, 909-7080.
SADDLE - Tad Coffin Jumping Saddle - Model A5G, 18" w/54" girth, wither relief pad, matching bridle. \$3,500. 241-5613.
TRAIL A BIKE - great cond, will email pics, \$75. John, Ext. 4028 or jbiemer@optonline.net.
WETSUIT SET - men's Medm, barely used, not in saltwater, 7mil, w/2-pc suit, mask, boots, fins, pic. \$125. moloughlin@bnl.gov.

Tools, House & Garden

ANDERSEN WINDOWS - 2/30x30, 2/15x30, 1/36x48, skylight 30X30. 751-4539.
LAWN/GARDEN TRACTOR - Cub Cadet, 14HP, runs well, low hrs, needs mower deck. \$250. Ray, 516-901-3050.
RADIAL ARM SAW - Craftsman, 10" blade, use 220 or 110v, grt cond, \$200. Ray, 516-901-3050 or ksxenton@bnl.gov.
TABLE SAW - craftsman, 10" blade, \$200. ksxenton@bnl.gov.

Miscellaneous

2 CEILING PENDANT LIGHTS - Modern; Tiffany-style, two-tone, Both unique, \$80/ea. pics avail. Ext. 4340, skessler@bnl.gov.
BRASS CANDLESTICKS - sz adjustable, Indian Motif 35-1/2"h, \$25/ea. 979-7043.
CHILDREN'S ITEMS: - Toddler Bike Seat \$10, F.Price Swing \$10, Jog Stroller \$30, Toddler Back Pack \$20, Call again if you left a message, was unclear. 258-4607.
CONCERT TICKETS - Met Museum Sat. 4/24, 7-9 P.M., Paul Lewis, pianist, Mozart, Schumann, Liszt, Beethoven, 2/tickets \$45/ea, less 15%. 473-2473.
LENEX VASE - 6"H, \$15. 979-7043.
MOVING: - fir AC - DeLongi PAC-C100, 2 yrs/unused/\$200; 32" Sharp CRT TV, \$30, Andersen casemt window, 48Wx 40H/uninstalled/\$75, all obo. Edward, Ext. 7502.
OPERA - 2 tkts, Dress Crclre, 5/6 "Flying Dutchman," Deborah Voigt singing, \$97 + transprt from N. Shore Lib. Ext. 7761.
PUMP-UP TOILET EQUIPMENT - sewage ejector pump, fiberglass sump basin w/cast iron cover/\$120. Bert, Ext. 5474.

REFEREE JACKET - reversible blk/wh stripes & black; 3 shirts, men's M, \$20, Field Hockey officials, 3 colored shirts, gold fleece, Men's M, \$20. 821-3320.
SPRINKLERS - poly pipe, repair and complete installations, spring start ups. Michael, 284-2277.
SWIMMING POOL - 21'round x 4.5'd, excel cond, u-take down, incl all supplies, \$750/obo. Ext. 5169.
TICKETS - Leo Kottke, solo acoustic guitar, Boulton Center Bayshore, Fri. May 21. 2 tickets \$75. Paul, Ext. 7577, poc@bnl.gov.
WINE MAKING EQUIPMENT - 14 gal carboys, grape press, 100 gal pvc vat, juice pump, \$150. Bert, Ext. 5474.

Wanted

AMATEUR RADIO EQUIPMENT - HF transceivers, other HAM gear, working or not. Will pay reasonably. Gary, Ext. 7779.
BED - full size mattress + frames. pete, Ext. 4955 or pwarnicke@bnl.gov.
CAR - Station car needed for student commuting to Queens Coll, reliable. Betty, Ext. 3562, 758-2653, belder@bnl.gov.
SAILBOAT - 15'-18" sailboat w/trailer. Dennis, 878-9592 or tuohy@bnl.gov.
SUPPORT IN RUN FOR LYMPHOMA - Please support my 10K race this summer. All donations greatly appreciated. See <http://preview.tinyurl.com/y6wkhe> for how to donate. Jodi, 334-2258 or jbelz@bnl.gov.

For Rent

KISSIMMEE, FL - T/share, June-Dec 2010, 2 bdrm unit, slps 8, in Orlando, 15 mins to Disney World, www.calypsocay.com for pics. \$1,050/wk. Nina, Ext. 5894.
ORLANDO, FL - Orlando/Disney Marriott T/share, 15 min to Disney, sleeps 6-8, most wks avail, other destinations, \$800/wk. Mike, Ext. 2947 or hanson@bnl.gov.
MANORVILLE - 1 bdrm apt, full bath, pvt ent, v/quiet, 9 mi to Lab, util incl, single only, no smkg/pets. \$800/mo. Ext. 3849.
MASTIC - 1 bdrm, eik, full bath, den, own ent/drway, 1 mo. sec, no smkg/pets, 10 min to Lab all incl. \$850/mo. joe mondi, Ext. 3499, 219-7241.
PATCHOGUE - waterfront studio apt, boat slip avail, great location! incl heat/elec, sec deposit req, no pets. \$975/mo. 447-1234 or ajspv@optonline.net.
ROCKY POINT - 1-bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm. nr stores, Indry rm on prem, prkg, no smkg/pets, cac, incl gas/water. \$1,150/mo. 806-5965.
ROCKY POINT - i bdrm, second floor, priv. drive, incl. some util, no smkg/pets. \$795/mo. 821-3287.
SHIRLEY - clean studio apt, nr BNL, beach, LIRR, semi-furn., perfect for single. Utilities, basic cable, wifi included! one mo. sec. req. \$700/mo. 655-3731.
SHIRLEY - rm for rent, 1 mo sec, microwave kitchenette, l/r, priv bath & ent, no smkg/pets, 14 min to Lab, close to stores/beach/lirr. \$550/mo. 344-4324.
SOUND BEACH- grd lvl studio in legl 2 fam, full kit; ba w/tub; sep ent/thermo; no smkg/pets, suit 1, drway prkg. 1 mo rent & sec, 1 yr lse term min. \$800/mo. 516-650-3852.

For Sale

FLANDERS, PECONIC BAY - Waterfrt, deepwtr dock, deeded beach rights, newly renov, cath ceilg, 3bdrm, 2ba, Jacuzzi, 2way heat/a/c, nat. gas, \$499,000. 834-5718.