

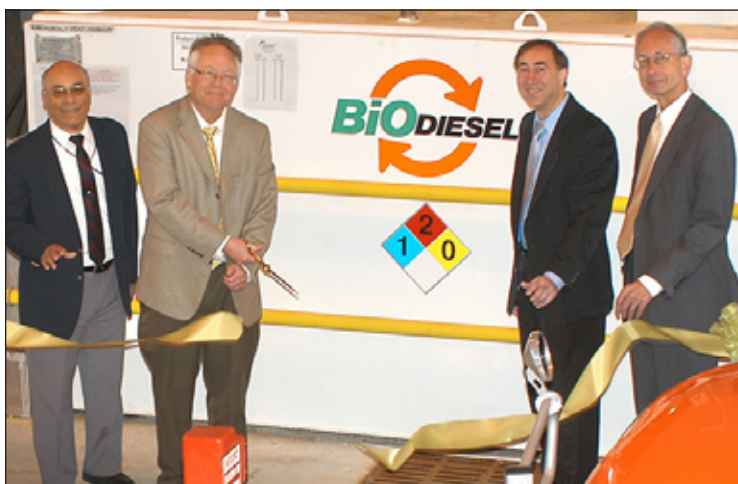
## The New Pit Stop at BNL

**New biofuel transfer station fully operational**

On April 23, Deputy Director for Science and Technology Doon Gibbs and Assistant Laboratory Director for Facilities & Operations Lanny Bates, together with Robert Gordon and Nick Torres of DOE's Brookhaven Site Office, cut a ribbon with golden scissors as a ceremonial gesture opening the new on-site biofuel transfer station. The new station, which will be open 24 hours a day, seven days a week, will be the pit stop for refueling the Lab's 44 new biofuel Kubotas. Notably orange in color, Kubotas are just one brand of small utility vehicles.

According to Peter Pohlot, the Lab's Pollution Prevention Coordinator, the use of biofuel is one of many steps towards meeting the goals of President Obama's executive order to decrease our dependence on foreign oil and increase agency use of renewable energy.

"Bob Gordon and Nick Torres were the biggest crusaders for this project," said Pohlot. "We are grateful for their support. Without them, the project would not have moved forward. It would be impossible to thank everyone involved,



Wielding gold scissors, BNL Deputy Director for Science and Technology Doon Gibbs cuts the ceremonial ribbon opening the new biofuel transfer station. He is joined by Nick Torres (left) and Robert Gordon (second from right), both of DOE's Brookhaven Site Office, and Assistant Laboratory Director for Facilities & Operations Lanny Bates.

but in particular, Chris Johnson (Facility Operations Office-FM), Bill Chaloupka (Energy & Utilities Division), and Danny Farge (FM) worked hard to make the fuel station meet all the necessary compliances and safety requirements."

Pohlot also gives accolades to the Central Fabrication shop, in particular to John Berry, who designed and helped build the fueling platform and the barricades that protect the tank.

"They were key to getting the new fuel station fully operational," he said.

The Kubotas are used by several Lab organizations and can do more than just get people around the site. These particular models can be used off road, which is very helpful for environmental staff who need to conduct water and soil sampling in remote areas of the site. The Kubotas are used by...

See *Biofuel* on pg. 2

457th Brookhaven Lecture, 5/12

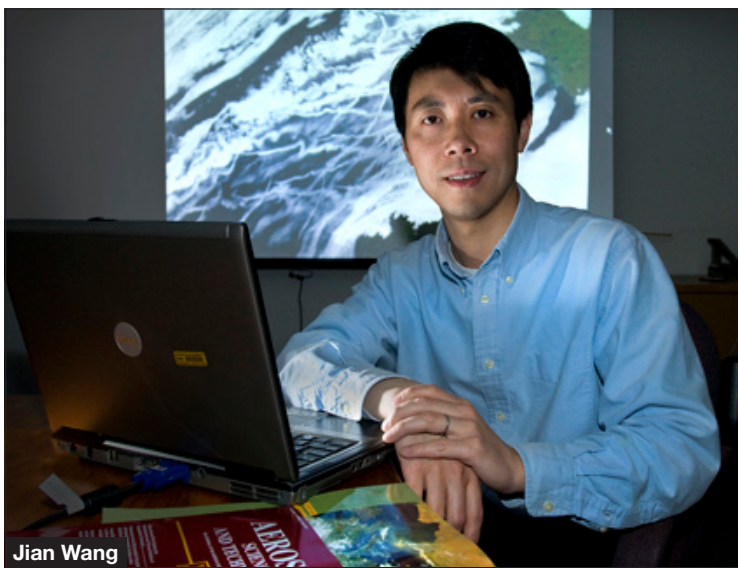
## Aerosol, Cloud, and Climate: From Observation to Model

In the last 100 years, the Earth has warmed by about 1°F, glaciers and sea ice have been melting more quickly than previously, especially during the past decade, and the level of the sea has risen about 6-8 inches worldwide.

Scientists have long been investigating this phenomenon of "global warming," which is believed to be at least partly due to the increased carbon dioxide (CO<sub>2</sub>) concentration in the air from burning fossil fuels. Funded by DOE, teams of researchers from BNL and other national labs have been gathering data in the U.S. and internationally to build computer models of climate and weather to help in understanding general patterns, causes, and perhaps, solutions.

Among many findings, researchers observed that atmospheric aerosols, minute particles in the atmosphere, can significantly affect global energy balance and climate. Directly, aerosols scatter and absorb sunlight. Indirectly, increased aerosol concentration can lead to smaller cloud droplets, changing clouds in ways that tend to cool global climate and potentially mask overall warming from man-made CO<sub>2</sub>.

To learn more about the challenges of understanding the properties of aerosols and representing them in global models, join Jian Wang, a sci-



entist in the Environmental Sciences Department, as he gives the 457th Brookhaven Lecture, titled "Aerosol, Cloud, and Climate: From Observation to Model." The free lecture, open to the public, will be held in Berkner Hall at 4 p.m. on Wednesday, May 12. Visitors to the Lab of 16 and older must carry a photo I.D.

To join the speaker for supper at a restaurant off site after the talk, contact Linda Satalino, [lsatalino@bnl.gov](mailto:lsatalino@bnl.gov), Ext. 2383.

In his talk, Wang will discuss the complexity of atmospheric aerosols and the computational constraints that make representing them in global models accurately so challenging. He will present results from two field observations made by a

BNL team that show how atmospheric aerosols can form cloud droplets and thereby influence climate. He will also examine the best, simplest ways to represent these effects in global models.

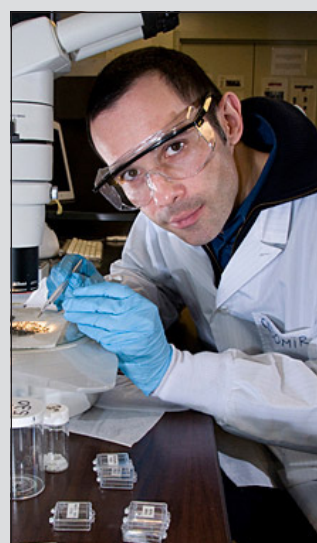
The Intergovernmental Panel on Climate Change considers the indirect effects of aerosols to be the most uncertain components in the climate system. As Wang will explain, these uncertainties need to be substantially reduced in order to develop the most appropriate strategies to adapt and mitigate future climate change.

Jian Wang, who came to BNL in September 2002 as a Goldhaber Distinguished Fellow, earned his B.S. in physical... See *Brookhaven Lecture* on pg. 2

## Petrovic Wins Award For Outstanding Physics

Cedomir Petrovic of the Condensed Matter Physics & Materials Science Department has received the Marko Jaric Award for his outstanding achievements in physics. The award is presented each year by the Marko Jaric Foundation to preserve the memory of the life and work of the Serbian physicist for whom it is named. Petrovic received the award, which consists of a certificate and \$3,000, on March 17, at the University of Belgrade, Serbia.

Petrovic is one of the principal investigators in BNL's new Energy Frontier Research Center, one of 46 centers in the U.S. recently established by DOE to pursue advanced scientific research on energy. At the Brookhaven center, Petrovic and others perform research to understand the underlying nature of superconductivity in complex materials. Unlike ordinary conductors, superconductors carry current with zero resistance so that no energy is lost. Brookhaven researchers, including Petrovic, seek to improve the critical properties of superconducting materials



Roger Stoulenburgh 00840209

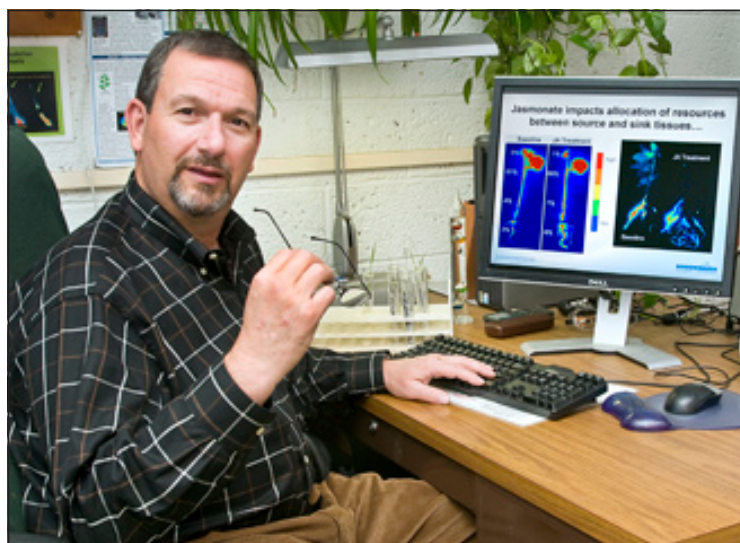
and accelerate the search for new superconductors with the aim of improving the capacity, efficiency, and reliability of the electric grid.

The key challenge has been to develop superconductors that operate at temperatures that make them practical for real world applications. Many known superconductors must be kept extremely cold. Petrovic makes new superconductors that can be used as models for experimental...

See *Petrovic* on pg. 2

## Eight BNL Scientists Are Granted Tenure

Brookhaven Science Associates (BSA) granted tenure effective December 1, 2009, to eight Brookhaven 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 and Materials Science Department; Hua-Gen Yu, Chemistry Department; and Anatoli Zelenski, Collider-Accelerator Department. Tenure appointments are made after a rigorous selection procedure culminating in a comprehensive review of each tenure case by the Brookhaven Council, an elected body that advises the Director on matters of concern to the scientific staff. The BSA Science & Technology Steering Committee oversees the tenure process and makes final recommendations to the BSA board. The Bulletin is featuring the newly tenured scientists in alphabetical order. Bai and Bazilevsky were featured on April 23, 2010; below are summarized the contributions of Ferrieri.



Joseph Rubino 02380210

### Richard Ferrieri

Richard Ferrieri, a chemist in the Medical Department, was awarded tenure for his world-class research in radiochemistry and his outstanding contributions in the field of applying radiotracer techniques, first developed for studying the human brain, to the study of plants.

"Rich's extraordinary skill in developing synthetic proce-

dures for radiolabeling, now applied to plants, has won recognition from plant scientists all over the world," said Gene-Jack Wang, Medical Chair. "His work has had an important impact on the advancement of radiotracer synthesis and imaging, and its potential application to problems in energy and the environment are far-reaching."

See *Ferrieri* 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

Monday & 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](mailto: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/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.

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](mailto:ila@bnl.gov).

1st Wednesday of month: LabVIEW

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

Thursdays: BNL Cycletrons Club

5 p.m., Brookhaven Center. First Thurs. of month. 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.

**Ferrieri from pg. 1**

Ferrieri first focused on developing novel syntheses of drug targets for producing radionuclides and innovative devices for radiochemistry synthesis in positron emission tomography, or PET. His concept for using supercritical fluids for the selective synthesis of radiotracers received a U.S. patent. He then started to design ways to administer and track radiotracers and their metabolites in whole plants. His early work showed how plants initiate defense mechanisms to ward off insect or other herbivores attacks. Then, by showing how plants reorganize their metabolism in response to these messengers, he started new investigations in other labs. He has since been invited to talk on his work all over the world.

After receiving his Ph.D. in nuclear and radiochemistry from Texas A&M University in 1978, Ferrieri joined BNL's Chemistry Department in 1981. Among other contributions at the Lab, he has mentored 18 students and is the site director of the Nuclear Chemistry Summer School at BNL, a program sponsored by the American Chemical Society and funded by DOE.

— Tianna Hicklin

## 'E-mail Quota' Phishing Attempt

*Note: This message was written for the Lab community by the Information Technology Division (ITD).*

The Tuesday, April 27 e-mail with subject line "E-Mail quotas to be enforced" was an internal test to measure how the BNL community would respond to a simulated phishing attack. The results were mixed — the bottom line is that many people identified the message as a phishing attempt, but approximately 1,100 people clicked on the link, and more than 800 of those also entered their login credentials.

Shortly after the e-mail was sent, recipients who suspected it was a phishing message reported it to the ITD Helpdesk (Ext. 5522), to [security@bnl.gov](mailto:security@bnl.gov), and some even stopped by the Cyber Security office. The communication within groups and between system administrators and end users was quick and effective in many areas, and we are grateful for all your efforts.

While the e-mail looked legitimate, it contained the basic indicators of a phishing attack, including:

- The From: address was not from bnl.gov, but from bnl.gov.us, and
- The link was to a non-BNL website with domain name of bnl.web-access-email.com.

In addition, those who clicked on the link were sent to a page that looked nothing like a BNL web page and were prompted to enter their user I.D. and password — something ITD has stressed it would never do. All the warning indicators are provided on this page.

Phishing is a continuing problem for BNL. Our e-mail gateways currently block approximately 90 percent of all incoming messages because they are spam or phishing attempts. This test simulated what would happen if just one attempt got through for bulk distribution to the site. It is important to be aware of the indicators of phishing e-mails, as just one compromised machine inside BNL can be used to attack other internal systems.

If this had been a real attack and 20 percent of our staff provided their credentials to real hackers, the impact could have been quite dramatic. Last week, an individual was tricked by a phishing attack similar to this one. Within 24 hours the stolen credentials were used to gain access to the victim's e-mail account and more than 50,000 spam messages were sent out as if coming from BNL. This resulted in numerous external organizations refusing to accept e-mail from BNL, causing disruptions to communications. It can take many days before the full flow of e-mail is restored.

ITD is in the process of developing targeted training to better educate our staff on how to identify phishing attempts.

## TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, May 12; Tuesday, May 18; Wednesday, May 19; and Tuesday, May 25. For an appointment, call 1-800-732-8353 or go to <http://www.tiaa-cref.org/bnl> and select "set up a meeting."



Joseph Rubino D3660410

## BNL Showcases Research Opportunities For High Schoolers Accepted by SBU

On April 16, BNL hosted some special young visitors — about 120 graduating high school seniors, all top-achieving science, math, and engineering students from across the country who have been accepted to Stony Brook University (SBU). The goal of the visit was to show them the research possibilities available at Brookhaven facilities — like its Center for Functional Nanomaterials, National Synchrotron Light Source, and Relativistic Heavy Ion Collider — as a result of the close relationship between SBU and Brookhaven. During a tour, Lab scientists explained their work and the capabilities of each facility. The students also heard a talk on BNL's brain imaging program and met with SBU students who have already blazed a trail by working on research projects at BNL and SBU.

**Petrovic from pg. 1**

...research. One of his most important achievements has been the synthesis and characterization of cerium-cobalt-indium, a superconductor with the highest known superconducting temperature among materials in its class.

Petrovic designed and built his own laboratory for exploratory synthesis of new superconducting materials. In addition, he is recognized as a master at making extremely large, high-quality crystals of superconducting and related materials for experiments, and he holds the record for making the world's largest crystals of compounds of ytterbium-rhodium-silicon and cerium-cobalt-indium, important for neutron-scattering studies of these materials.

Petrovic earned a B.Sc. in theoretical physics from the University of Belgrade, Serbia, in 1996, and an M.Sc. and Ph.D. in physics from Florida State University in 1997 and 2000, respectively. He was a postdoctoral research associate at DOE's Ames Laboratory for two years before he joined BNL in 2002 as an assistant physicist. He worked through the ranks to become a tenured physicist in 2008. He is also an adjunct professor of physics at Johns Hopkins University.

— Diane Greenberg

**Biofuel from pg. 1**

...the fire rescue group to travel around the site to conduct routine building checks and fire extinguisher maintenance. They can also be equipped with small plows for snow removal (yes, they are heated!), and can hold more cargo and tools than their counterpart electric utility vehicles.

"This new biofuel transfer station is a 'Cadillac' system," said Pohlot. "Continuing to move toward saving energy, reducing dependence on foreign fuel, and decreasing emissions and impact to the environment are certainly reasons for all of us to be proud of this accomplishment." Next pit stop is E-85.

— Jane Koropsak



## RHIC/AGS Users' Meeting, 6/7-11

The annual Relativistic Heavy Ion Collider (RHIC) and Alternating Gradient Synchrotron (AGS) Users' Meeting will be held at BNL from Monday to Friday, June 7-11.

Five parallel workshops will be held on Monday and Tuesday, June 7-8, with a Spin, Viscosity/Hydro/Initial Conditions update, Local Strong Parity Violation, Jets and Hard-scattering latest results, and a session on high-energy and nuclear physics in the far future. A special symposium, organized with the National User Facility Organization, will be held on June 9, focusing on education and outreach. A plenary session on the morning of June 10 will feature highlights from Run-10 at RHIC and future perspectives from DOE and National Science Foundation funding agencies. The remainder of the meeting will celebrate Ernest Courant's 90th birthday, 50 Years of AGS operations, and a decade of RHIC operations — details to follow.

To register and obtain more information, please go to: [http://www.bnl.gov/rhic\\_ags/users\\_meeting/default.asp](http://www.bnl.gov/rhic_ags/users_meeting/default.asp)

**Brookhaven Lecture from pg. 1**

...chemistry at the University of Science and Technology of China, 1996; and his M.S. and Ph.D. in chemical engineering at the California Institute of Technology in 1998 and 2002, respectively. He joined the Environmental Sciences Department as an associate scientist in September 2005, with an af-

filiated faculty appointment in the School of Marine & Atmospheric Sciences at Stony Brook University.

Wang holds two patents, with another pending, and among many other activities, he is an editor of Aerosol Science & Technology. He was named a scientist in October 2008.

— Liz Seubert



Michael Herbert D5010410

Routine users of the biofuel station gather to "fuel-up" their Kubotas. From left: Henry Hauptman, Staff Services Division; Peter Pohlot, Environmental Protection Division (ES); Tim Kelly, Laboratory Protection Division (LP); Richard Tulipano (front), Facility Operations Office (FM); Michael Hickey, LP; Anthony Costantini, FM; Jeffrey Miranda, LP; and Jeffrey Williams, ES.



## Center Moriches Students Take Top Honors at Lab’s Maglev Contest

Center Moriches Middle School students won six awards out of 21 at the annual Middle School Maglev Contest held at the U.S. Department of Energy’s Brookhaven Lab on March 24. Students from the Albert G. Prodel Middle School in Shoreham, East Northport Middle School, and Great Neck South Middle School each won three awards.

Gordon Danby and James Powell, retired Brookhaven Lab scientists who invented and patented maglev — the suspension, guidance, and propulsion of vehicles by magnetic forces — were honored guests at the contest, and said they were delighted by the students’ creativity in designing their model maglev vehicles. The inventors told the students that one day — perhaps as soon as five years from now — they may be able to use maglev transportation on Long Island.

More than 200 students from 15 Long Island middle schools entered the contest, in which they were required to design and construct model maglev vehicles according to engineering speci-



With maglev inventors James Powell (seated, left) and Gordon Danby (seated, right) are the first-place winners in Brookhaven Lab’s 2010 Middle School Maglev Contest: (from left): Brian Fremgen, Center Moriches Middle School; Sean Finnegan, also from Center Moriches; Craig Stern, Longwood Junior High School; Tyler Scholl, Albert G. Prodel Middle School; Danny Kiernan, Great Neck South Middle School; Leah Neiman and Kelli DiTomasso, Port Jefferson Middle School; and Louis Navas, Center Moriches Middle School.

cations in their choice of seven categories: electrified track, wind power, gravity, self-propelled balloon, self-propelled other, futuristic, and scale-model design.

Judging was based on speed, efficiency, the appearance of the vehicles, and the students’ written design process.

Mineola Middle School and

Longwood Junior High School students each won two awards, and Port Jefferson and Robert Moses middle schools each won one prize. — Diane Greenberg

### Major Roadwork Continues At The Main Gate

The major roadwork at BNL’s Main Gate that began on Thursday, May 6, will continue to cause significant disruption to normal traffic patterns until the road is reopened, which is expected to be on Wednesday, May 12.

The road being repaved was in disrepair and deteriorating because of the large volume of traffic — from both cars and large trucks carrying heavy equipment. Using a special process, the old road is being broken up and reused in the new road’s foundation. This should significantly strengthen the new road as the Lab prepares for other construction and modernization projects in the future.

Please continue to obey all safety personnel as well as posted barricades, warnings, and signs. Also, give yourself extra time to enter and exit the Laboratory.

More information, including maps and directions to and from areas that are directly affected by the roadwork, is available online: [http://www.bnl.gov/today/story.asp?ITEM\\_NO=1748](http://www.bnl.gov/today/story.asp?ITEM_NO=1748).

### AdoptaPlatoon Sells Plants, 5/7; T-Shirts, 5/14

The Brookhaven Veterans Association’s AdoptaPlatoon team is holding a plant sale today, Friday, May 7, 11 a.m.- 1 p.m. in Berkner Hall parking lot. On Friday, May 14, the team will take orders for \$15 T-shirts — all to benefit a platoon in Afghanistan. The team will be in the Berkner lobby and Bldg. 400 lobby, 11:30 a.m. – 1 p.m.

### Documentary on Afghan Women, 5/14

A screening of a documentary film dramatizing the tale of a group of remarkable Afghan women will be presented on May 14, 5-7 p.m. in Berkner Hall. Sponsored by the Lab’s Asian Pacific American Association and Diversity Office, the event is free and open to the public. The film reflects the recent history of Afghanistan: from the proxy war to civil war, from a Soviet regime to the rule of the Taliban, to U.S. military intervention, to current general instability.

Following the film there will be a Q&A session with the film’s director, Kathleen Foster. A display of photographs taken in Afghanistan by Foster will also be on display in Berkner lobby. For more information on the event, call (631) 344-2062; on the film, go to: <http://www.kathleenfoster.com>. — Jane Koropsak

## Meditation and Talk on ‘Compassion In Action,’ 5/7

Dayamrita Chaitanya, a disciple of Mata Amritanandamayi, or Amma, will give a talk on “Compassion In Action” and lead a group meditation at BNL on Friday, May 7. Dayamrita’s talk will be held from 5 to 6:15 p.m. in the Recreation Building in the apartment area. The talk will be preceded at 4 p.m. by an informal social gathering with refreshments and followed from 6:30 to 7:30 p.m. by meditation, prayers, and chants for peace. Sponsored by the Brookhaven Employees Recreation Association, the Asian Pacific American Association, and the Indo American Association Yoga Club, the event is free and open to the public. Visitors to the Laboratory age 16 and older must bring a photo ID.

Amma is widely regarded

### Arrivals & Departures

— Arrivals —

Leo Borak ..... C-AD  
Ryan Craig ..... C-AD  
Frank DePaola ..... NSLS-II  
Ryan Larkin ..... C-AD  
Gang Liu ..... Env. Sciences  
David Nace, II ..... C-AD  
Faisal Reza ..... Biology  
Inga Strodtkotter ..... Biology  
Tobias Toll ..... Physics  
Abraham Zepeda ..... NNS

— Departures —

David Kirby ..... Physics  
Frederick Petschauer .. Env. Restor.  
Joseph Schwartzel ..... NNS  
Carl Skrezec ..... C-AD



Amma

as one of the world’s foremost humanitarian leaders. Since she was a child in India, Amma has worked to alleviate suffering through personal outreach. She has won international recognition and awards, including the 2002 United Nations Gandhi-

King Award for Non-Violence. Currently, she helps those in need through a network of charitable organizations.

Amma’s unique meditation technique, called integrated amrita meditation, consists of a set of yoga exercises followed by meditation. The technique is regarded as a powerful tool for experiencing relaxation, concentration, and greater awareness, which is a pathway to peace and joy. Amma believes that “real meditation” is achieved when a person becomes selfless.

As one of Amma’s senior disciples, Dayamrita has focused on spreading her teachings of love and compassion for 26 years. For the past 16 years, he has been manager of Amma’s activities in the U.S., Canada, and Latin America.

## 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. New research results and advances in experimental capabilities in synchrotron radiation and the nanosciences 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.

At the Tuesday main meeting and plenary session, open to all, William F. Brinkman, Director of the DOE Office of Science, will give the keynote address.

Also included will be scientific talks; 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. 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>.

### BSA Noon Recital, 5/19

## Vocalist Ginger Costa-Jackson

Mezzo-soprano prodigy Ginger Costa-Jackson, a 23-year-old graduate of the Metropolitan Opera’s Lindemann Young Artist Development Program, and winner of numerous international awards, will perform on Wednesday, May 19, at noon in Berkner Hall. Costa-Jackson’s performance will offer an hour of opera and Broadway favorites titled “Don’t Mess with this Mezzo!” Selections will include *Cherubino*, *Car-men*, and *La Cenerentola* arias, the music of Kurt Weill, and show tunes from *Carousel*, *Cats* and more. Sponsored by Brookhaven Science Associates, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo I.D.

## ?Can You Spare a Can?

Please fill the BNL Food Drive bins, food is needed.

## CALENDAR

Friday, 5/7

### \*AdoptaPlatoon Plant Sale

11 a.m.-1 p.m. Berkner parking lot. To benefit a platoon in Afghanistan. See left.

### \*Social Meeting, Talk, Meditation

4 p.m. Recreation Bldg. Talk on “Compassion in Action,” by Dayamrita Chaitanya, then meditation. All are welcome to this free event, open to the public. Visitors to the Lab of 16 and older must carry a photo I.D. See left, below.

### \*See Free Movie, Then Dine, Dance

6:45 p.m. Brookhaven Center. A Filipino movie, *Panahoy Sa Suba* (*Call of the River*) will be given with English subtitles in celebration of Asian-Pacific American Heritage Month. Also on the agenda, buffet dinner and dancing, \$16. Visitors to the Lab of 16 and older must carry a photo I.D. See pg. 4.

Saturday, 5/8

### \*Blues Concert

8 p.m. Berkner Hall. Frank Latorre & the King Bees, with Maggie Harrigan. For details and ticket price, see pg. 4. Visitors to the Lab of 16 and older must carry a photo I.D. See pg. 4.

— WEEK OF 5/10 —

Wednesday, 5/12

### \*457th Brookhaven Lecture

4 p.m. Berkner Hall. Jian Wang, Environmental Sciences Department, to talk on “Aerosol, Cloud, and Climate: From Observation to Model.” All are welcome to this free event, open to the public. Refreshments will be served. Visitors to the Lab of 16 and older must carry a photo I.D. See story, pg. 1.

Friday, 5/14

### \*AdoptaPlatoon T-Shirts to Order

11 a.m.-1 p.m. Berkner Hall lobby, Bldg. 400 lobby. To benefit platoon in Afghanistan. See below, left.

### \*Documentary Film: Afghan Women

5-7 p.m. Berkner Hall. Free, open to the public. Followed by Q&A with film’s director, Kathleen Foster. Visitors to the Lab of 16 and older must carry a photo I.D. See notice at left.

— WEEK OF 5/24 —

Monday, 5/24

\*Start of NSLS/CFN Users’ Meeting  
See left.

### IBEW Meeting

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

## BREA Luncheon, 6/9

Retirees, be sure to save Wednesday, June 9, for the Brookhaven Retired Employees Association (BREA) annual get-together luncheon at the Bellport Country Club. You’ll enjoy a four-course meal with starter, salad, choice of entrées, dessert, coffee or tea, and unlimited wine, beer or soda — all for \$35! All retirees, whether BREA members or not, and soon-to-be retirees, and their friends are cordially invited to attend. This is a great opportunity to get together to remember old times, and maybe make some new friends. To reserve, send a note to BREA, BNL, Bldg 421, Upton, NY 11973-5000, together with a check for \$35 per person (made out to BREA). Include your name (and spouse/guests names), address, phone no. and e-mail (if applicable), and information on any special requests, such as help needed with transportation. For more information, call Martine O’Connor, 631-286-9725.



Change in Placing Of BNL Job Ads

Effective May 1, Human Resources (HR) advertises most positions available at BNL only on the HR “Jobs” webpage: <http://www.bnl.gov/HR/careers>. These positions are no longer advertised in the Bulletin. This change to essentially an all-web-based process allows immediate, real-time posting of positions and aligns BNL’s job posting policy to that of other labs and organizations. Union positions will continue to be advertised in the Bulletin, as 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). Remember, look on the HR jobs webpage at <http://www.bnl.gov/HR/careers> for most jobs available now at BNL.

Classified Advertisements

Placement Notices

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

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

**HUMAN RESOURCES ASSISTANT (A-2, part-time position, 60 percent)** – Requires some form of secretarial or office administration training, plus four years of experience in a substantive and relevant human resources and/or comparable administrative role. Excellent organizational and communication skills, both oral and written, as well as demonstrated attention to detail are required. Expertise in performing complex administrative functions, as well and MS Excel, Word, and Outlook is required. Knowledge of PeopleSoft HR is highly desired. Responsible for providing administrative support to the Office of Scientific Appointments within Human Resources, advise BNL’s scientific departments in administering appointments and coordinate Scientific Staff appointments and review information to ensure the consistent and proper implementation of Scientific Staff policies across all areas. Will be expected to perform this job with a high level of confidentiality, discretion and accuracy. A working knowledge of BNL’s Scientific Staff Policy and procedures is highly desirable. Office of Scientific Appointments, Human Resources & Occupational Clinic Division. Apply to Job ID # 15355.

Motor Vehicles

06 HONDA ODYSSEY EX – 63.8K mi. gd cond, add'l features, lg int. space. variable vale contrl sys saves gas. \$17,250 neg. Brad, Ext. 4369, 680-6127.  
03 SUZUKI SAVAGE – 3.4K mi. 650 green excellent condition, well maintained. \$2,700 neg. Mark, 834-3789.  
01 DODGE RAM PICK UP – 95K mi. 2500 quad cab stl laramie 5.91 bf goodrich a/t tires flowmaster muffler cold air intake runs excel., looks great. \$9,500 neg. 849-3146.  
01 MITSUBISHI ECLIPSE GT – Red, manual trans., ac, pw, ps, sunroof, leather seats, side airbag. \$4,200 neg. 791-5480.  
00 HARLEY DAVIDSON SPORTSTER – 12K mi. 883 xl black, custom tank, chrome, many extras, great. \$4,000 neg. 834-3789.  
99 GMC SONOMA – 125K mi. runs well, no rust, 5 spd manual, reg cab, 4 cyl, 2-wheel dr. \$2,250 neg. Ext. 2015 or warr1202@netscape.net.  
98 TOYOTA TACOMA – 192K mi. 5 spd manual, camper shell, rebuilt eng, new clutch & tires, all receipts for past 7 yrs, runs well. \$1,700 neg. Ext. 3242 or graetz@bnl.gov.  
98 ACURA INTEGRA – 150K mi. excel cond, new tires & batt, all pwr. \$2,750. Rama, rcalaga@bnl.gov.  
95 TOYOTA 4 RUNNER – 119K mi. a/t, 4WD, V6, CD, cruise, a/c, p/s, p/w. Well maint., new wtr pump, belts & radiatr. Inspctd 2/2010. Must sell. \$2,800 neg. 917-209-9594.

Boats & Marine Supplies

25’ CAPE DORY – ‘78, Tohatsu w/ gd hp new shaft ‘07, new sails ‘09, v/gd cond, Setauket,ludi317@gmail.com. \$7,000 neg. 246-9294 or rossum@bnl.gov.

Join the Veggie Club!

Fresh organic produce from a local farm is available, delivered weekly to BNL, for those who join the Community Supported Agriculture (CSA). Members receive fresh organic produce from an organic Farm in Water Mill, where the Halsey family grows 350 varieties of fruits and vegetables, picked daily for delivery. If you join, for 26 weeks from June through November, freshly picked seasonal produce will be delivered to BNL for you to pick up. The fee is \$420. Pay immediately or in two installments of \$285 on sign-up, by May 20, with one post-dated check for \$135, post-dated for July 13, 2010. For more information, brochures with the commitment form are in the BERA Store in Berkner Hall, or at BERA website, [http://www.bnl.gov/bera/linkable\\_files/VeggieApplication.pdf](http://www.bnl.gov/bera/linkable_files/VeggieApplication.pdf) or contact Ruth Comas, [comas@bnl.gov](mailto:comas@bnl.gov) or Ext. 3545.

14’ BOAT – portable, fold up w/8hp motor, will sell sep, can email pics, ask/ \$1,150. Paul, 978-6008.

Furnishings & Appliances

BABY’S ITEMS – Pottery Barn Dana Crib and Changing Table, \$250/all. 744-8792.  
BED – Sleep comfort sleep by number excel cond. pd \$4,700. \$800 firm. 281-4459.  
CEILING PENDANT LIGHTS – one Tiffany-style, two-tone; one modern. Email for pics, \$80 ea/ofo. Ext. 4340, skessler@bnl.gov.  
CHILD/TEEN BUNK+DESK BED – all wood, desk pull out bed lists/\$1659, ask \$500, 379-0742 or rrje4019@msn.com.  
FUTON FRAME – Solid wood futon frame (no mattress) dark maple color, b/o or free if you really need it. Edward, Ext. 7502.  
GLASS CURIO CABINET – lighted corner cabinet, 4 glass shelves, oak, pics avail, \$160. Ext. 5257 or hoffman1@bnl.gov.  
KITCHEN TABLE & CHAIRS – All maple table w/4 spindle back chairs and leaf, great cond, \$300. 678-3299, dgordon@bnl.gov.  
STUDENT DESK – grt cond, pics avail/\$50. Ext. 4000, biancarosa@bnl.gov.  
TOASTER OVEN – used, Cuisinart, broiler, instruction book incl, \$25; 281-4459.

Audio, Video & Computers

DELL COMPUTER – P4 3GHz, 200GB HD, 512MB RAM. Windows XP Home - fresh installation. \$100. Mark, Ext. 3970.  
KILLZONE2 FOR PS3 – Brand new, still unwrapped, \$30. Guillaume, Ext. 8215.  
MAC 6400VEE – video editing editn, OS 8 & 9, 40 GB HD, w/network card, incl kbd, mon., mouse, trackball, flight stick, software titles, \$150/ofo. Ext. 2253, 821-3320.  
TOSHIBA TV – 19” HDTV, Mdl 19AV5000, 1 yr, ask/\$125. Ext. 5960, cohen@bnl.gov.  
VCR – Hitachi FX665 6 Head, 4 Video Head, 2 Audio Heap, ask/\$25. 281-4459.

Sports, Hobbies & Pets

DOG’S TIE-OUT CABLE W/STAKE – sturdy spiral, approx 18’l, \$15. Jane, Ext. 2198, 909-7080.  
ELECTRIC GUITAR – Epiphone Special II, Ebony, new, autographed by Joe Bonamassa, ask/\$450. Dave, 902-5453.  
GIRL’S BICYCLE – purple; excel cond, used once, \$50. Ext. 2881, 516-982-5400.  
KITTENS 4 ADOPTION – 3, adorable, 2 all black, male & female, 1 black & white, to good home only, email for pics, call for info. Donna, 398-8024 or mnschwart@bnl.gov.  
TRAIL A BIKE – excel cond, \$75. John, Ext. 4028.  
TREADMILL – DP, single spd adjustable incline, gd shape, u pic up \$50. Al, Ext. 7859 or farland@bnl.gov.  
YASHICA 35 MM CAMERA – built-in flash, leather case, excl cond, \$100. Nancy, Ext. 4567, 516-241-4598.

Tools, House & Garden

BURNER – Riello 40 Burner, \$50. Cindi, Ext. 4000 or biancarosa@bnl.gov.  
GLASS TOP TABLE – rect, lg outdr, 84”x42”, brown frame, gd cond. Gerry, 878-2872.  
LAWNMOWER – 19” Snapper w/bag, \$50. Walter, 567-9025.  
POOL FILTER – Hayward Filter & pump for agp/\$50. Ext. 4000, biancarosa@bnl.gov.

Miscellaneous

GAS FIREPLACE LOGS SETS – lp or ng, 24” logs, all parts needed, still in box, sold at Lowes \$110+, ask/\$30. Russell, Ext. 3745.  
POWERCHILL – hot/cold Thermoelectric Cooler, excel for camping, \$50. Donna, Ext. 2716, 897-2736 or storan@bnl.gov.  
REFEREE ATTIRE – jacket, blk/wh stripes, reverse to blk, like new, 3 striped shirts, men’s M/\$20; Field Hockey officials, 3 colored shirts, gold fleece, men’s M/\$20. Ext. 2253.  
RINGS – 14k wedding bands & 3/4k round diamond engagement ring set, \$1,990. 965-9698.  
WALL CLOCK – Heirloom quartz oval kit clock, light oak trim, gold numbers, 10 1/2”w, 12”l, \$20. Joe, 281-4459.

Happenings

DINNER/SHOW OUTING – Sat, Oct 16 to see “Joseph,” Sight & Sound Theatre, PA. Dinner @ Good n Plenty, \$115pp. Discnts for teen/child. \$60 deposit due by May 7. For more info call. Kim, Ext. 7465, 399-3098 or khayes@bnl.gov.  
SMITHTOWN – Giant Yard Sale and Strawberry Festival. St. Thomas of Canterbury Church. Corner Brookside Dr and Edgewater Ave. Rent space 10x12 for \$20. Call for details. 265-4520.

Lost & Found

LOST CAT – Black w/white, Lost on-site in Jan, during bad weather, any info about BW’s whereabouts greatly appreciated. Hoping she is OK somewhere, Heartbroken, Pics avail. Kathy, Ext. 3832 or doty@bnl.gov.  
LOST NECKLACE – White Gold w/straight bar diamond pendant, 5 small stones, v/ sentimental, lost by Bldg 134C, walking to the North Gate. Linda, 516-607-3549 or niksa@bnl.gov.

Wanted

AMATEUR RADIO EQUIPMENT – wanting HAM gear, working or not, will pay reasonable price. Ext. 7779, gstevens@bnl.gov.  
DONATIONS – For 5 mi walk to benefit Fortunato Breast Health Center at Mather Hospital. Cash donations or check made payable to JTM Foundation accepted through May 25. Ext. 2098 or royce@bnl.gov.  
DONATIONS OF DOG/CAT FOOD – needed for pets of struggling families/elderly. Collection bins are in Bldgs: 134, 400, 725, 901, 902. Donations to be given to local pantries. Ext. 3161 or kratto@bnl.gov.  
NEW/GENTLY USED CLOTHES – All sizes, children’s books, also toys to be donated to 76 families living a local shelter. Laura X4027, lbuscemi@bnl.gov and. Kathleen, Ext. 3161 or kratto@bnl.gov.  
WOMAN’S BICYCLE – fairly used, reasonable, needed for bicycling with the kids. Kiamesha, Ext. 8593 or newsom@bnl.gov.

For Rent

ORLANDO, FL – Orlando/Disney Marriott Timeshare, 15 min to Disney. Sleeps 6-8. Most wks avail. Other destinations. \$800/wk. x2947 or hanson@bnl.gov. \$800/wk. Mike, Ext. 2947 or hanson@bnl.gov.  
NEW BERN, NC – Timeshare - relax at Watertown Townhouses on Lake, 2 bdrms, sleeps 8, full kit, w/d, 7/18-7/25/10. \$500/wk neg. Linda, Ext. 3750.  
FARMINGVILLE – partly furn bdrm in shared house, l/r, d/r, kit, incl cable/wifi/ phone/elec. \$495/mo. Ben, 513-8275 or benonium@gmail.com.  
MANOR PARK – 2 bdrm apt, l/r, eik, full bath, priv ent, all util/cable incl, no smkg or pets, mins to Lab, \$1,200/sec plus mo’s rent. \$1,200/mo. dabel@bnl.gov.  
MANORVILLE – 1 bdr apt,full bath, pvt ent,v/quiet, 9 miles to Lab, utilities incl, single only, no smkg/pets please. \$800/mo. Ext. 3849, 591-1315.  
MASTIC – 1 bdrm apt, l/r, eik, full bath, 1 car pkg, priv. entr., all utils & cable incl., no smking/pets, \$1,100 sec. plus mo’s rent. Show 7-8pm wkdays, all day week-ends. \$1,100/mo. Melanie, Ext. 5920.  
PATCHOGUE – Waterfront Studio Apt, great location, boat slip, incl heat/elec, sec deposit reqd, no pets. \$975/mo. 447-1234.  
RIDGE – 1 bdrm in split house, full use of kit/drway, nr. many restaurants, grocery stores, amenities and BNL, 6 Ridge Road. \$550/mo neg. Mim Gao, 917-721-2277.  
RIDGE – 2 bdrm apt in a split house, full use of kit/drway, nr. BNL/restaurants, grocery stores/amenities, loc. at 6 Ridge Rd. \$800/mo neg. Mim Gao, 917-721-2277.  
ROCKY POINT – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, Indry rm on prem, no smkg/pets, cac, incl gas/water. \$1,150/mo. 806-5965.  
ROCKY POINT – 1 bdrm, 2nd flr, priv drwy, incl some util, no smkg/pets. \$795/mo. 821-3287.  
ROCKY POINT – brand new lower level 1 br apt, pvt ent, eik, lr, full bth, quiet st, util incl, wireless int/cable, no smkg, 1 mo sec. \$1,000/mo. Rob, 697-6581.  
SOUND BEACH – grnd lvl studio in legal 2 fam hse, full kit, ba w/tub, sep ent & ther’stat, new carpet/paint, no smkg/pets, suit 1, v quiet, drway prkg, avail now, 1 mo rent & sec, 1 yr min. \$800/mo. 516-650-3852.

For Sale

FLANDERS - Peconic Bay, w/front, deep-water dock, bulk heading, deeded beach rights, new renov contemporary, cath. c/ ling, 3 bdrm, 2 ba, Jacuzzi, 2-way heating/ ac, nat gas, lg deck. \$499,000. 929-0596.  
MANORVILLE – Hunters Run East, 5 bdrm, 2.2 baths, pool, 2 car gar, full fin bsmt, 10 min to Lab. \$629,000. Ext. 2383.

In Appreciation

A sincere thank you to everyone for their expressions of sympathy and condolences on the loss of my father. My family sincerely appreciates your thoughts & prayers.  
— Joshua Federmann

Free Movie Tonight! 5/7

With optional buffet, social dancing to follow

A Filipino movie, Cesar Montano’s *Panaghoy Sa Suba* (*Call of the River*) will be presented in the Filipino Visayan language with English subtitles, tonight, Friday, May 7, at the Brookhaven Center. The event is being held in celebration of Asian-Pacific American Heritage Month, jointly co-sponsored by the Social & Cultural Club, the Asian-Pacific American Association, BERA Indo-American Association, the Chinese Students & Scholars Club, Brookhaven Women In Science, the Association of Students & Postdocs, and the Yoga Fitness activity group. It is open to the general public; visitors to the Lab of age 16 and older must bring a photo ID.

Note that the weekly TGIF @ Brookhaven social dancing follows after the movie. The schedule is: 6:45 – 9:30 p.m.: buffet dinner and movie; 9:30 – 11:30 p.m.: general social dancing; DJ dance mix – Ballroom, Latin, Swing (ECS/WCS), Hustle, Bachata, Merengue, Salsa, etc. Cost: Free admission to the movie. Or, \$16 per person also covers dinner buffet, shrimp cocktail, hero, dessert, coffee, and dancing. For more information, contact Rudy Alforque at [rudy@bnl.gov](mailto:rudy@bnl.gov), or call (631) 344-4733.



Frank Latorre, King Bees, 5/8

With Maggie Harrigan to open the show

Exciting blues will enliven Berkner Hall tomorrow, Saturday, May 8, when Frank Latorre and the King Bees perform in Berkner Hall in a show that will be opened by Maggie Harrigan at 8 p.m.

Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab of 16 and older must bring a photo I.D.

Harrigan, an East-End Long Islander, is a singer, songwriter, and guitarist. Known for her compelling vocals and magical guitar playing, she blazes from chord to note across the fretboard.

Latorre, a local musician and artist, was inspired by the Paul Butterfield Blues Band in 1969 to start playing harmonica. He has been creating music and art for over 30 years and captivates audiences with his vocals and harmonica playing. His recording credits include Peter Green and Winger,

and he has performed with many music legends including Gregg Allman, Eric Burton, Johnny Winter, and Kenny Neal.

In addition to his music, Latorre is an artist and owns the Art & Soul gallery in Eastport, Long Island. During this show some of LaTorre’s paintings will be on display.

The King Bees are made up of guitar talents Mike Porter and JP Blues and veteran drummer Lou Guisto. Together, these gifted musicians are known in the local music circuit as one of the most popular Long Island blues bands. In addition to performances at many local venues, Latorre has performed throughout the United States.

Tickets for the concert are \$20 in advance at the BERA Store in Berkner Hall or through [www.ticketweb.com](http://www.ticketweb.com) and \$25 at the door of the show.  
— Jane Koropsak



Roger Stoutenburgh D1790807



Quest: I.D. These Wings

A week or so ago, BNLER Sheryl Gerstman was walking on site and observed a raptor flying around the cell tower near Bldg. 30. She managed to snap a great photo (above right). A while back, one of the eye-catching nature photos by Roger Stoutenburgh focused on a lepidopteran. But the Bulletin would like a more detailed I.D. of each of these winged creatures. To see them in color online, click on Bulletin in the left-hand column of the homepage. Send your knowledgeable or wildly fanciful suggestions to [bulletin@bnl.gov](mailto:bulletin@bnl.gov) or Liz Seubert, Bldg. 400C; the best answers will win free ads in the Bulletin for one year at least.