the Bulletin

BROOKHAVEN NATIONAL LABORATORY

Vol. 63 - No. 10 March 27, 2009

Joseph Rubino D3760309

Lab Director Sam Aronson (left on stage) leads a standing ovation for Secretary of Energy Steven Chu (right), who announced that BNL is to receive $184.3 million in new science funding. Among distinguished attendees are: (front row, from right) U.S. Representative Tim Bishop, Long Island Power Authority President and CEO Kevin Law, DOE Office of Science's Deputy Director for Science Programs Patricia Dehmer, DOE's Brookhaven Site Office Manager Michael Holland, and New York Power Authority President and CEO Richard Kessel.

At BNL, Secretary of Energy Steven Chu Announces New Funds for Science

U.S. Department of Energy (DOE) Secretary Steven Chu announced a major funding jolt for science in the United States while visiting BNL on Monday, March 23.

Welcomed by Lab Director Sam Aronson and introduced by U.S. Representative Tim Bishop, Chu announced that DOE's Office of Science is to receive a $1.2 billion investment through the American Recovery and Reinvestment Act (ARRA), which was signed into law by President Obama on February 17. This funding will support an array of Office of Science-sponsored research projects and construction and infrastructure modernization at all ten of the Office of Science national laboratories.

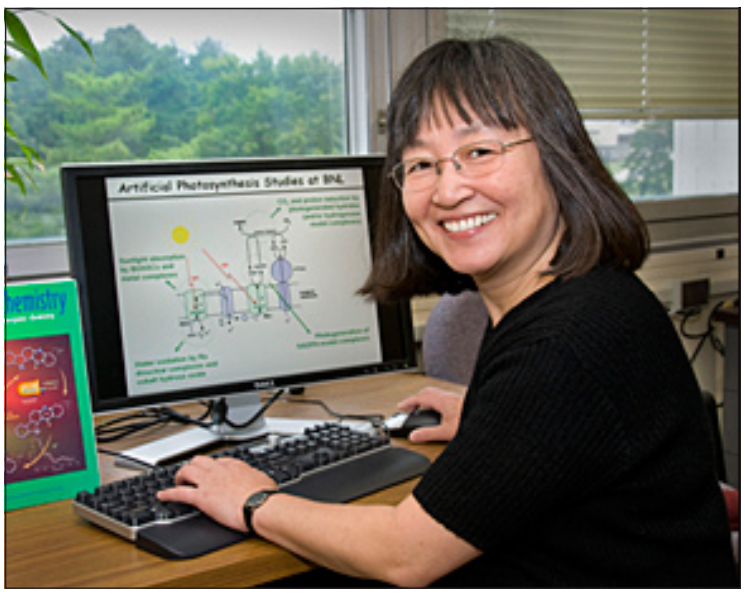
ARRA will provide BNL with $184.3 million to accelerate construction of the National Synchrotron Light Source II (NSLS-II), a new $912 million project approved to start construction earlier this year by DOE. NSLS-II will be 10,000 times brighter than the existing NSLS and its x-ray brightness and resolution will exceed all other light sources, existing and under construction. Light created by NSLS-II will be used to advance clean, affordable energy, molecular electronics, high-temperature superconductors, and the self-assembly of nanometer-scale materials.

Chu further announced more funding for scientific infrastructure at the national laboratories, and $65 million for Thomas Jefferson National Accelerator Facility to upgrade its Continuous Electron Beam Accelerator Facility.

Also under ARRA, DOE's Office of Science will receive $277 million in competitive grants designated for DOE's Energy Frontier Research Centers and

*See **Chu** on pg. 2*

Roger Stoutenburgh D3460309



Roger Stoutenburgh D1020908

Brookhaven Town Honors BNL Chemist Etsuko Fujita

Etsuko Fujita, a chemist in the Chemistry Department, was honored for her accomplishments in science at Brookhaven Town's 23rd Annual Women's Recognition Night on March 26 at Town Hall in Farmingville. She was among 11 women honored for their contributions to various fields in a ceremony to celebrate the significant achievements of local women during Women's History Month.

Fujita's pioneering research focuses on converting solar energy to clean, renewable fuels, in a process called artificial photosynthesis. While plants use chlorophyll to absorb sunlight, Fujita uses a photoelectrochemical cell to absorb light and to separate charges. Using the separated charges, water and carbon dioxide can be converted to solar fuels such as hydrogen, carbon monoxide, or methanol. Fujita and her colleagues are performing experiments aimed at understanding the details of the complex chemical reactions involving potential catalysts needed to drive the processes mimicking photosynthesis in the laboratory.

Fujita's work is particularly significant because it addresses two national concerns: the need for research in sources of renewable energy that will ultimately eliminate U.S. dependence on foreign oil, and the reduction of the harmful effects of carbon dioxide on the earth's climate caused by fossil fuel combustion. In addition, Fujita serves as a role model and mentor for younger scientists at Brookhaven Lab. Over the past five years, she has recruited

*See **Fujita** on pg. 2*

Eight BNL Scientists Receive Tenure

Brookhaven Science Associates (BSA) granted tenure effective December 1, 2008, to eight Brookhaven scientists. They are: Elaine DiMasi, National Synchrotron Light Source; Rita Z. Goldstein, Medical Department; Yangang Liu, Environmental Sciences Department; Hong Ma, Physics Department; Cedomir Petrovic, Condensed Matter Physics and Materials Science Department (CMPMS); Triveni Rao, Instrumentation Division; Tonica Valla, CMPMS; and Paul Vaska, Medical. Since February 27, The Bulletin has been featuring the newly tenured scientists in alphabetical order: summarized below are some of Triveni's contributions.

Joseph Rubino D1790309

Triveni Rao

Triveni Rao of the Instrumentation Division was granted tenure based on her significant, original contributions in developing new instrumentation techniques in lasers, accelerator technology, and materials science, and in their application to critical experimental programs.

Says Veljko Radeka, who heads Instrumentation, "Triveni is an outstanding asset to BNL. She is internationally recognized for her research and development on metal photocathodes for high brightness electron beams, interaction of high intensity short laser pulses with matter, and ultra short laser pulse and beam bunch characterization. She has enhanced BNL's reputation in these areas and has become an essential resource for the BNL research program. She is sought frequently by scientists from other laboratories and industry for advice and as a collaborator, as well as an advisor by students."

Rao's pioneering work on surface preparation processes and laser cleaning made possible a new technology using metal cathodes for high brightness electron sources. Based on her achievement, a local company won a DOE-supported grant to build instrumentation for these sources. Now, metal photocathodes from her work are in use in the electron sources of many state-of-the-art facilities.

Rao is also recognized for her work on electro-optical charged particle beam diagnostic techniques and detectors. Her solutions to challenging problems have resulted from extremely difficult measurements being taken for the first time.

An inventor or co-inventor on several patents, Rao has also built up a unique laser laboratory and vibrant research group for investigations in the field of high-current photoemission.

Having obtained her Ph.D. in laser physics at the University of Illinois at Chicago in 1983, Rao joined BNL in 1985 as an assistant physicist. She became an associate physicist in 1987, a physicist in 1990, and received a continuing appointment in 1992. — Liz Seubert

Calendar
of Laboratory Events

- *The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.*

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes
Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See *www.bnl.gov/esol/schedule*. html for schedule. Jen Lynch, Ext. 4894

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

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

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

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

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

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

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

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

Tuesdays: Toastmasters
3 monthly meetings: 2nd Tuesday.: Noon, Berkner, Rm. D: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. *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: Aerobic Fitness
5:15 p.m., Rec. Hall. 10 classes for $40 or $5 per class. Pat Flood, Ext. 7866, *flood@bnl.gov*

Tuesday & Thursday: Aqua Aerobics
5:30–6:30 p.m., Pool.

Tuaeday & Thursday: Jazzercize
Noon–1 p.m. Rec. Hall. 8-wk session, $90 2x/wk. Holbrook & Wading River locations too. Mail chk to Recreation Office, Bldg. 400.

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

Wednesdays: Ballroom Dance Class
B'haven Center, N. Ballroom. Instructor: Giny Rae. New series starts 2/25. Three 1-hr. classes, starting at 5:15 p.m. Ext. 3845

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

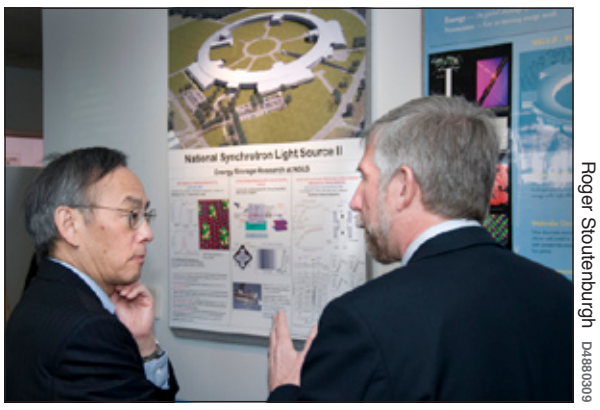
Thursdays: BNL Cycletrons Club
Noon–1 p.m., First Thurs. of month. Berkner, Rm. D. Toni Hoffman, Ext. 5257

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

Fridays: Family Swim Night
5–8 p.m. BNL Pool. $5 per family

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

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



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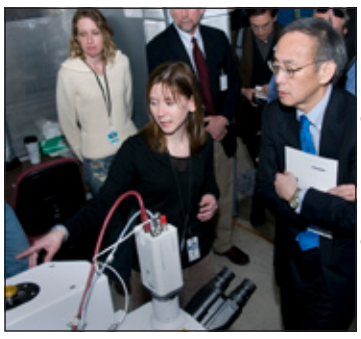
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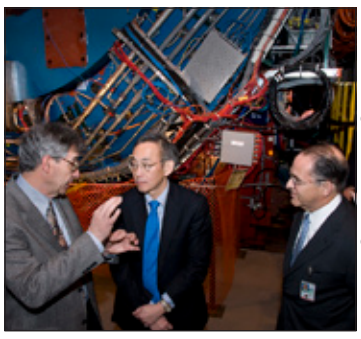
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*See **Chu** on pg. 2*
of graduate students, postdocs, and Ph.D. scientists.

Chu articulated President Obama's support for science, noting the President's pledge to double the science budget over the next ten years. The president's 10-year budget allocates $15 billion per year for research and development of clean, renewable energy and extends the Research and Experimentation Tax Credit with hopes of making it permanent.

Throughout his talk, Chu emphasized how vital basic scientific research and new ideas are for the future. "National security and economic prosperity are linked with access to clean, affordable energy, and we must minimize the risk of adverse climate change," Chu stated.

"Where are the new ideas going to come from? New photovoltaics that will make electricity generation five to ten times cheaper? Or ways of transmitting energy over longer distances much better? Or ways of designing buildings that actually are energy efficient? I'm hoping that the Department of Energy will help," Chu stated.

Referencing solid-state transistors, which were tremendously advanced and advantageous compared to the vacuum tubes that they replaced in electronics during the mid-twentieth century, Chu called for similar transformative technologies in the twentieth-first century.

Examples of such future technologies mentioned by Chu include new batteries that could power plug-in hybrid cars and methods to produce biofuels without reducing the amount of food needed to feed populations.

This was Chu's first visit to a national laboratory since he was appointed to the role of Secretary of Energy in January 2009.

Chu's visit to Brookhaven began with a tour of several of the Lab's largest facilities, including the Center for Functional Nanomaterials, the National Synchrotron Light Source, and the STAR detector at the Relativistic Heavy Ion Collider.

— Joe Gettler

Arrivals & Departures

— Arrivals —

None

— Departures —

Leonard Newman ..... Env. Scis.

CIGNA Representative

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

***Fujita** from pg. 2*
eleven postdoctoral fellows to work under her supervision.

Etsuko Fujita earned a B.S. in chemistry from Ochanomizu University in Japan in 1972 and a Ph.D. in chemistry from the Georgia Institute of Technology in 1976, the same year that she joined Brookhaven Lab as a research associate. She worked her way through the ranks to become a senior chemist with tenure in 2008, and she was a recipient of the 2008 BNL Science and Technology Award.

— Diane Greenberg

Have Your Photo Taken With the Easter Bunny!
Adopt-a-Platoon Fundraiser, 4/2

On Thursday, April 2, have your photo taken with the Easter Bunny! A $5 donation is requested, and all proceeds will go to the Brookhaven Veteran's Association Adopt-a-Platoon effort to purchase items and postage to ship packages to troops in Afghanistan. The event will be held in Berkner Hall lobby between 11 a.m. and 1 p.m. For more information, contact Denise Rodgers or Janet Sikora, Ext 3670.

BWIS Talk
Women and Physics, 4/8

Sponsored by Brookhaven Women in Science, Christine Nattrass, a graduate student at Yale University and winner of the 2008 Gertrude Scharff-Goldhaber Prize, will give a talk, titled "Women and Physics: An International Perspective," at noon on Wednesday, April 8, in Berkner Hall, Room B. The entire BNL community is invited.

Nattrass attended the third International Conference on Women in Physics sponsored by the International Union of Pure and Applied Physics in September 2008, where women from around the world discussed the common issues facing women in physics and traded strategies for dealing with them. Nattrass will discuss the resolutions made at the conference and what is being done in response to help ensure that women have an equal chance with men to succeed at physics. For more information, contact Kathy Walker, Ext. 7105, or *kwalker@bnl.gov*.

Roger Stoutenburgh D3380309

Sponsored by the program English for Speakers of Other Languages, BNL language tutors are coordinated by Jennifer Lynch and include (from left) Lynch, Lazaro Vazquez, who teaches Spanish; and James Higgins, who teaches English.

Among BNL's volunteer language tutors are: (standing, from left) Galina Polyanskaya, who teaches French; Program Coordinator Jennifer Lynch, who teaches English; Olga Dulneva: English and Russian; Tatiana Tchoubar: French for children; and (seated) Kseniya Kayran: Russian.

Language Programs Are Flourishing at BNL

Under the umbrella of the Lab's flourishing English for Speakers of Other Languages (ESOL) Program, coordinated by Jennifer Lynch of the Staff Services Division, BNLers are now taking free classes in French, Russian, and, planned for next week, Spanish.

Said Lynch, who holds a masters in linguistics, "We have been building up our programs for English for Speakers of Other Languages since 2002, and we now have fifteen classes available, including English at several different levels, plus coaching for scientists who are giving presentations. Among the instructors of these classes are people who are teacher professionals in their own countries and are happy to share the languages of their home countries and language-teaching expertise. We found that some of our ESOL students were interested in learning other languages in addition to English, and several English-speaking BNLers also wanted to join classes if they could be arranged."

As a result, Lynch organized various groups at suitable times, matching tutors to students and now, many groups of language learners are meeting regularly to extend their skills. She says, "The classes have been immensely popular. Students also enjoy the wonderful exchange of linguistic and cultural diversity through language learning."

The French group, led by volunteer instructor Galina Polanskaya, is divided into three class levels: intermediate, high-beginner, and low-beginner. A native of Russia, tutor Polanskaya is a graduate of the University of Lausenne, Switzerland, and her students learn grammar, listen to French songs, read French periodicals, and discuss different topics.

In addition, mother and daughter team Tatiana and Polina Tchoubar co-instruct a new French class for children. The children so far enrolled learn though games, songs, and educational activities. Tatiana holds a master's degree in education from the Sorbonne, France, in languages, literature arts, art, and contemporary society. She says of her motivation to teach, "I love children."

Olga Dulneva, who is a qualified translator/interpreter of English, French, and German, holds a master's degree in linguistics and intercultural communication. She co-teaches Russian for Speakers of Other Languages with fellow Russian native Ksenia Kayran. The Russian classes are split between high and low beginner. The new low beginner class will begin soon. The class focuses on learning Russian language and culture by watching educational videos, listening to music, reading poems, and hearing about famous Russians.

Dulneva started her volunteer teaching career on site, partly because having accompanied her husband who had been hired at BNL, she felt under-occupied. "But that's not the only reason!" she says. "Teaching is my vocation. When teaching Russian, I feel that I am contributing to the friendship between our nations. Besides, education is not only interesting and useful, but it can be lots of fun!"

Says Lynch, "Our latest project was gathering interest for Spanish for Speakers of Other Languages. Lazaro Vazquez, of the Information Technology Division, is an experienced instructor of Spanish and wants to really immerse students in the language and culture. "The interest level was very high after one advertisement in the Bulletin. The class is going to be held on Thursdays during lunch but it is already full!" said Lynch.

For more information about classes and to find the full schedule, check out *http://www.bnl.gov/esol/default.asp* and/or contact Lynch, *jlynch@bnl.gov* or Ext. 4894. — Liz Seubert

Concert, 4/10

Duo To Perform: Guitar Harmonica — Workshops Also Offered Next Day, 4/11

Acoustic duo Paul Rishell and Annie Raines will give a concert on Friday, April 10, at 8 p.m. at the Brookhaven Center. 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 ID. Tickets cost $15 in advance or $20 at the door. Buy tickets at the BERA Store, or through *www.ticketweb.com*.

In addition, Rishell will offer an intermediate and advanced guitar workshop and Raines will offer a harmonica workshop on Saturday, April 11, at the Brookhaven Center. Both two-hour workshops will begin at 2 p.m. and each is limited to 10 places. The cost is $40 per workshop.

Roger Stoutenburgh D4280506

Lunchtime Tour Today

Today, Friday, March 27, take the Employee Lunchtime Tour to explore BNL's Science Learning Center, an on-site, hands-on educational facility for school children 1st through 8th grades. Enter this exciting "door into science" and find out why about 25,000 schoolchildren want to come here each year to learn about the fun and interest science provides. Meet the tour group in the upper lobby of Berkner Hall at noon to be taken to the center: you will return by 1 p.m. No registration is necessary.

EAP Offers Assistance With New Program For Possible Mortgage Loan 'Modification'

If you are having difficulty making your mortgage payment even if you are not late or in foreclosure, you may be eligible for a mortgage loan "modification." This program is being made available to responsible homeowners who find themselves financially strapped due to the downturn in the economy. President Obama has called this program "Making Home Affordable Modification." Find out if you qualify to have your interest rate reduced by visiting either *www.financialstability.gov* or your mortgage lender's website. This program was created recently and is aimed at middle-income homeowners to prevent a situation that would lead to foreclosure. For more information, call Nancy Losinno, Employee Assistance Program Manager, Ext. 4567.

BERA Updates

New spring trips, discounts, and fitness classes are being added all the time! Check the BERA website for updates: *www.bnl.gov/bera*

- **The Pool** will be closed Mon.-Sat., April 6-11 for maintenance.
- **Long Island Ducks tickets** have arrived and will be available beginning at 9 a.m. today, Friday March 27. BERA has 8 seats for each Ducks home game. Tickets are $10 per person per game. Limits apply: two game maximum for the first week of sales. *http://www.liducks.com*
- **SUNY Stony Brook Partnership** offers BNL badge holders access & discounts: *http://www.bnl.gov/visitorinfo/SBU.asp*
- **Family Fun at BNL** Join in on Fridays at the Gym & Pool. Free for families from 5:30 – 8:30 p.m.
- **The Recreation Hall**, Bldg. 317, in the apartment area is open Tuesday through Thursday from 5:30 p.m. to 9:30 p.m. Play piano, chess or ping pong, or watch television.
- **Students & Post Docs**: Stop in the ASAP Lounge at the corner of Bell & Center on Thursdays at 6:30 p.m. for a social gathering. *http://www.bnl.gov/asap/*

A few tickets are still available for purchase at the BERA Store for:

- **Cirque du Soliel Kooza**: Saturday, May 9. 55 tickets are available for the 4 p.m. performance. Depart from BNL at 1:30 p.m., depart Randall's Island at 6:30 p.m. $80 per person, regardless of age.
- **Newport, RI Tour**: Saturday/Sunday, 4/25/26. Includes ferry to/from Port Jeff, luxury coach, harbor cruise, Hampton Inn Hotel, hot breakfast, tour of Marble House & the Breakers, free time. Single: $259; double, $187; triple, $163.
- **Intrepid Sea, Air & Space Museum** (NYC): Saturday, May 23. Depart BNL at 8 a.m., depart NYC at 4:30 p.m. $40.

Brookhaven Retired Employees Association Finance Talk, 'Retirees Staying on Track' 4/8

Brookhaven Retired Employees Association (BREA) is sponsoring a talk on "Retirees Staying on Track in a Volatile Market," at noon on Wednesday, April 8, in the Hamilton Seminar Room, Bldg. 555. Thomas Kelly, Ch. FC, of TIAA-CREF will give the talk, which will focus on the impact of the current economic outlook and the importance of asset allocation throughout retirement. All are welcome.

Play Golf! 4/17

To kick off spring, the BERA Golf Association will host an outing at the Pine Hills Country Club in Manorville on Friday, April 17. The outing will cost $55, which includes greens fees, a golf cart, and $10 towards prizes. An 18-hole scramble format will be used during the outing. All golfers are welcome. For more information or to sign up for the outing contact Jeff Williams at Ext. 5587 or at *jwilliams@bnl.gov*.

Calendar

— TODAY —

Friday, 3/27

***Employee Lunchtime Tour**
Noon-1 p.m. Berkner Hall lobby. Meet a group to be taken to visit the Science Learning Center. All are welcome. No reservations necessary. See notice below, left.

Camera Club Meeting
Noon. Berkner Hall, Room B. All are welcome.

— WEEK OF 3/30 —

Thursday, 4/2

***Adopt-a-Platoon Fundraiser**
11 a.m.-1 p.m. Berkner Hall lobby. Have your photo taken with the Easter Bunny. Proceeds will benefit Brookhaven Veteran's Association Adopt-a-Platoon effort to pay for packages to troops. See notice above left.

— WEEK OF 4/6 —

Wednesday, 4/8

***Finance: Retirees in Volatile Market**
Noon. Hamilton Seminar Room, Bldg. 555. Sponsored by Brookhaven Retired Employees Association, TIAA-CREF's Thomas Kelly will talk on "Retirees Staying on Track in a Volatile Market." All are welcome. See notice, left.

***BWIS Talk, 'Women and Physics'**
Noon. Berkner Hall, Room B. Sponsored by Brookhaven Women in Science, Christine Nattrass, Yale University, will talk on "Women and Physics: An International Perspective."All are welcome. See pg. 2.

Friday, 4/10

Guitar/Harmonica Duo Blues Concert
8 p.m. Brookhaven Center. Sponsored by the BNL Music Club, acoustic duo Paul Rishell and Annie Raines will perform country blues. The concert is open to the public. Buy tickets $15 in advance ($20 at the door) at the BERA Store or through www.ticketweb.com.

Visitors to the Lab of 16 and older must carry a photo ID.

Saturday, 4/11

2 Workshops: Guitar, Harmonica
2 p.m. Brookhaven Center. Limited to 10 places for each workshop. $40. Reserve your place at the BERA Store or through www.ticketweb.com.

— WEEK OF 4/13 —

Wednesday, 4/15

448th Brookhaven Lecture
4 p.m. Berkner Hall. James Muckerman of the Chemistry Department will give the next Brookhaven Lecture, "Theoretical Perspectives on Artificial Photosnthesis." All are welcome to this free public talk. Visitors to the Lab of 16 and older must carry a photo ID.

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

Reimbursement Accounts Deadline: 3/31

All claims on contributions made to health care or dependent day care reimbursement accounts during the past calendar year of 2008 must be made by March 31, 2009. Any contributions that remain unclaimed will be forfeited, in accordance with Internal Revenue Service regulations. Remember that many over-the-counter medicines qualify for reimbursement under the health care account. Employees can submit claims for any qualifying expenses incurred in 2008 until March 31, 2009.

Classified Advertisements

Placement Notices

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

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

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

ALTERNATE BUILDING MANAGER - TECHNICAL ASSOCIATE I (T-5) – Responsibilities: Oversee daily maintenance requirements and safe operational activities within multiple, occupied buildings. Maintain and update Facility Use Agreements (FUAs), Coordinate and schedule services between Facilities and Operations Division and building occupants; outfit and assign office space; track office key allocations. Participate in the work planning process; administer site-specific building safety orientations. As an ancillary member of the NSLS-II ES&H Team, participate in facility Tier 1 inspections. Requires the equivalent of an Associate's Degree acquired through considerable training and experience in a technical or professional field and demonstrated responsible technical leadership with a minimum of eight years' relevant experience; proficiency in Microsoft Office and Outlook; the ability to perform inspections at heights using ladders, lifts, or scaffolds; the ability to move, lift, or carry objects up to 60 lbs. on an occasional basis; familiarity with all phases of facility operations along with proven experience overseeing coordination of tasks within highly occupied office/research environment. Excellent interpersonal, oral and written communication skills necessary to team up with a diverse workforce in a fast pace environment. Must comply with BNL ISM and Work Control program requirements; ability to work extended hours and irregular work schedule. Preferred requirements: Strong ES&H background, work planning/work permit initiation, field verification, and closeout. Proficient with AutoCAD. Experience entering work requests into MAXIMO; knowledgeable in developing LEPs (Local Emergency Plans) and ability to act as the area LEC (Local Emergency Coordinator). Will report to the Facilities Manager for the National Synchrotron Light Source II Project. Apply to Job ID #14796.

MAIL CLERK (Backfill) – Under immediate supervision processes, picks up and delivers incoming, outgoing and intra-Laboratory mail. Training required. Staff Services Division. Send transfer form to Diana Hubert, Bldg. 400B.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE (Physical Chemistry, reposting) – Requires a Ph.D. in chemistry, possibly physics or materials science. Experience with kinetic spectroscopy, especially with lasers and/or accelerators desired, as is the ability to handle chemicals. Analytical thinking, analysis and mathematical of experimental data is also desired. Would contribute to measurements of electron and exciton mobilities in conjugated polymers and relaxation processes in ionic liquids. Candidate would also assist with development of the ultrafast single shot detection system to improve its performance and especially its usability. Under the direction of J. Miller, Chemistry 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 #14717.

POSTDOCTORAL RESEARCH ASSOCIATE (2 positions) - Requires a Ph.D. in physics, chemistry, materials science or related discipline. Must have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientists, technical staff and users. Knowledge and experience in diffraction, especially synchrotron x-ray or neutron powder diffraction or related scattering methods is desirable. Experience using computers for data analysis and modeling is desired, as is experience building or maintaining lab equipment such as x-ray diffractometers. Knowledge of basic computer programming or scripting is advantageous, but not required. The intention of this research program is to study the local structure/properties of complex and nanostructured materials using powder diffraction, atomic pair distribution function (PDF) analysis and related methods. Different materials will be studied but with an emphasis on energy related nano-materials. There will be an opportunity to help commission a new PDF beamline that we are building at NSLS and to use it for cutting edge research on energy related materials. We also aim to combine information from complementary techniques. Under the direction of S. Billinge, Condensed Matter Physics and Materials Science 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 #14797.

ELECTRICAL ENGINEER/STAFF ENGINEER- (P-5) – Electrical Engineer possessing the ability to utilize new or improved engineering techniques, procedures, or equipment to design and troubleshoot high voltage pulsed power systems for the NSLS-II Injection systems. Duties include working on an engineering team in preparation for the preliminary design, specification, fabrication, procurement, installation and commissioning of pulsed power systems and high precision power supplies. Will also build and evaluate prototypes of these systems and propose upgrades and improvements as needed. Requirements: BS Degree in Electrical Engineering and minimum of three years' experience in design and testing of high voltage pulsed power systems or high voltage power supplies; experience in using circuit analysis software for modeling high voltage power systems; excellent interpersonal skills with the ability to interact with a diverse group of scientist and technical staff; proficiency in technical writing skills Preferred Requirements: Design experience with high-voltage pulsed magnets, using both lumped element and line type PFN's in the nanosecond to millisecond timescale; knowledge in reliability criteria as it pertains to pulse power systems and power supplies; familiarity with using Lab View software for testing high voltage electrical systems. Position reports directly to the head of electrical engineering. National Synchrotron Light Source II Project. ERAP eligible $1000. Apply to Job No. 14795.

INSTRUMENTATION TECHNICIAN/SR. TECHNICAL SPECIALIST (T-3, reposting) – Requires an associate's degree in science or engineering, with at least six years' experience in materials processing; or preferably, a Bachelor's degree in materials science/engineering, physics or chemistry and at least two year's experience with materials processing. Must have excellent communication skills and interest in training others. Knowledge of electron microscopy and instrumentation is preferred. The CFN is a user-oriented research center whose scientific focus is on energy-related themes. The successful candidate, under the supervision of the group leader of the Electron Microscopy group, will be responsible for sample preparation for transmission electron microscope (TEM) measurements, instrument maintenance, and assistance with structural characterization of functional materials using electron microscopy. The selected candidate will work with users of the TEM facility, training them in sample-preparation techniques and related activities and supporting their research needs at the CFN. Center for Functional Nanomaterials. Apply to Job ID# 14720.

LIBRARY ASSISTANT (A-2, reposting) – Requires formal secretarial or office administrative training, Associate's Degree in a related field preferred, plus four years of relevant work experience that must include demonstrated skills in one or more of the following library functions: circulation, catalog maintenance, serials management, and database searching. Must have basic knowledge of the nature and function of libraries, library services, practices and procedures and also be proficient in Microsoft Office especially in Word and Excel. Must be able to communicate effectively to establish and maintain effective working relationships with library users and staff. Must be able to work independently within established procedures, and to exercise initiative in applying rules, procedures and instructions. Responsibilities include assisting BNL staff in using the Research Library's resources and equipment and undertake routine administrative duties related to operating the Research Library. Additional duties include shelving books, and periodicals, working circulation desk, packing and unpacking library materials. Information Services Division Apply to Job ID #14787.

Motor Vehicles

08 HONDA CIVIC – 18.5K mi. Assume 12,000 miles per year lease. $248.40/month. 21 mos remain. Heather, 834-0047.

05 FLEETWOOD PROWLER – 32' Travel Trailer: quad bunks, slps 10, full bath w/tub, new awning, $16,000. 807-9916.

05 HONDA SHADOW SPIRIT – 750, wd/shld, sddl bgs, chrome upgrades, just svcd, pics. $3,500 neg. Ext. 7132 or asweet@bnl.gov.

06 FORD MUSTANG GT – 25K mi. red/blck lthr, a/t, all opts, like new. $18,500 neg. Artie, Ext. 5937, 258-5809 or piper@bnl.gov.

02 ACURA ACURA 3.5RL – 43K mi. metallic green, recent tires/brakes. $11,800 neg. David, Ext. 7484.

99 AUDI A4 – euro sprt ed, 30 mpg, slvr, lthr ht seats, BOSE sd sys w/6 cd chngr, new trs, tmng blt, cltch. $5,800. 786-5008.

99 HYUNDAI ELANTRA – 109.908K mi. 4cyl, 4dr, 2L, a/t, a/c, am/fm/cass., runs excel. $2,500. Eugenio, Ext. 2079, 375-6341.

99 VOLVO V70 WAGON – 171K mi. excel. cond, new tmng belt/brkes, body v/gd. cond. $2,400neg. 965-9793, weigand@bnl.gov.

96 SUNLINE TRAILER – 24 ft 5 new tires,mattress. Elctric jack, extras, sleeps 4. Ned, 924-5187 or mabe324@yahoo.com.

69 VW BEETLE – 140K mi. Classic, melon grn, excel. cond., manual trany, cass/tapes. $7,300 neg. Ext. 4289, 516-779-3111.

Furnishings & Appliances

BATHROOM VANITY – decorative, 6'l x 22.5"d, 12 drawers, blck grnite top, 2 sinks, $800. Ext. 4408 or alevine@bnl.gov.

CD/DVD WIRE RACKS – Holds 38 CDs/DVDs, 5 total $5 each excellent condition. Lloyd, Ext. 5225.

CLUBHOUSE – Little Tykes clubhouse w/slide. All plastic in vg cond. Accessories can be added. $100. Lloyd, Ext. 5225.

DESK – like new, 2 big drawers, ideal for pc. $25. Eugenio, Ext. 2079, 375-6341.

FRIGIDAIRE FREEZER – 13.3 cu ft upright, grt shape, dr storage. $75 obo. ext. 7802. Gary, Ext. 4669 or heyman@bnl.gov.

KITCHEN TABLE – Solid light oak table. built-in leaves. Excel. Cond. asking $300/OBO. Wendy, Ext. 3924, 821-1453.

MEDIA CABINET/ARMOIRE – light wood, w/shelf, 3 drwrs, pics: http://tinyurl.com/dgaegy. 935-3777 or lotusexp@yahoo.com.

Audio, Video & Computers

STEREO EQUIPMENT – Pioneer 7-channel reverb amplifier Mod-SR-202W OR Onkyo Preamp Model P306RS. orig pd $2000. $75ea. Kim, Ext. 7465, 399-3098.

Sports, Hobbies & Pets

2005 32' PROWLER TRAVEL TRLR – sleeps 10, tow hitch & bars incl., quad bunks, full bath, q/size bdrm. 807-9916.

CAT FEEDER – 2lb wtr/food, $3/ea; flip-over cat litter box $8; lg scratcher $4; sleep box $7; play pen $2; etc.,. Yong, Ext. 7022.

DOG BICYCLE TRAILER – rugged, safe, convenient, easy clean, fold/erect. Univ. bike hitch, 20" tires, 115 lbs. max. 344-5537.

GYM MAT – folding, 5x10ft.x1.5in. by TKO. Foam, vinyl cvr. unused. $100 (similar=$260 @ www.greatmats.com). Ext. 4698.

HUTCH FISH AQUARIUM – new Cherry-based 24" glass tank; cabinet 24"x17"x12" w/blck screen lid. $150. Sue, Ext. 4931.

PIANO BABY GRAND – ask/$500 will send pic on request. Gary, Ext. 2155.

Tools, House & Garden

WATER PUMP MOTOR – Used pump parts for camper domestic water supply 12 VDC, ask $10. Ext. 5551, 772-4751.

Miscellaneous

BABY ITEMS – Jumperoo, Swing, Bounce Seat, Walker, Toys, more, all in excel. cond. Wendy, Ext. 3924 or wwilliams@bnl.gov.

CONCERT TICKETS – two to Jay Black&Joe Moffa, Capital 1 Bank Theater, Westbury, Sat. 4/4, 8 pm,$25ea (pd.$67ea). Ext. 2346.

GIFT CERTIFICATES – $25/ea. value, sell/$10/ea, 2/Chef_s Table in Rnknkma; 2/Trolly Barn in Speonk. Heather, Ext. 4138.

MASSAGE CHAIR – Brookstone massage chair w/foot/leg attachmt. Dark gray. Like new. Orig $1,000, now $250. Ext. 5287.

PAPERBACK BOOKS – excel. cond., mostly romance, $1/ea. Bobbie, Ext. 6047 or baj@bnl.gov.

QUAD-07 YMHA RAPTOR – 700R, 5spd, low hrs, excel. cond., $6,200. Richard, Ext. 4520, 331-8159.

SWING SET – slider, swing chair, swing horse, three others. Approx. 12 yrs old. $35. You pick it up. Yong, Ext. 7022.

TIME SHARE – Interval International exchange week. Many destinations available wldwide. Expires Apr. 16. Ext. 2947.

TROMBONI, LAWN MOWER – student model Maestro, $50; elec. lawn mower, B&D, gd cond., $10. Ext. 5257.

WEDDING DRESS – beaut, brand new, size 16, pd/$800. ask/$500, pics avail. 845-8419 or lisweetness@yahoo.com.

Yard & Garage Sales

MILLER PLACE – Comm yard sale Sat.4/4,9am. Rain date Sun 4/5. Miller Place Pk off Lower RP Rd & Grandview. Ext. 5090.

Happenings

AUDITION FOR SINGERS, 5/30 – E. End Sch. of Arts, R/head, needs soloists & chorus for H.M.S. Pinafore concert 8/21-23. leslieluxemburg-music@yahoo.com.

ENTERTAINMENT – Miller Place, Don Quijote Rest, Yvette Sings & Bob Plays Piano/Guitar 3/28, 8-11 pm, Yvette, Ext. 5591.

SPIRIT WARFARE EVENT – April 18, 11am-7pm, Best Western, Riverhead. Registrtn: $25. Call for info. Tiffany, 846-8419.

SPRING AUCTION – Fri, 4/24, 7pm for Holy Angels Reg. Sch. Ptchogue, held at St. Frances Cabrini, 134 Mddle Cntry Rd, Coram. Admiss. $10 pp gives 50 raffle tickets. Cash Raffle also. Kim, 868-0188.

Community Involvement

SONGS THAT GOT AWAY – NFCT (www.nfct.com) presents a concert to benefit Bread & More Soup Kitchen. $10 door. 8PM 3/20,21. Laura, Ext. 2520.

Free

CAT – beautiful, friendly, black/ white, 2yrs old, spayed w/ litter box, 1 mo. food supply. Syed, Ext. 7496, 828-8509.

WOOD CHIPS – u-pic-up, lots to get rid of! Peter, Ext. 2674, 806-9257.

Wanted

ADOPT-A-PLATOON – Monetary donations gratefully accepted towards mailing shipments to military overseas. Thank you. Joanne, Ext. 8481.

PULL BEHIND CART – for ride-on mower, small type. Can carry 150-200 lbs. Not too expensive. John, Ext. 4669, 929-6403.

TIRES – 2, size P205/55R16, used ok. Ext. 4340, 433-2902.

For Rent

NAPLES, FL – 2br/2ba. completely furnished condo in gated golf community. Available 04/2009 thru 12/2009. $1,200/mo. 523-7870.

SPRING HILL, FL – Gulf Coast Ranch, 70m Orlando, 50m Tampa. Screen/in-grnd pool, fruit trees, , 3BRM, 2BTH, DR, f/p, 2x gar -photos. $500/wk. 344-5537.

BELLPORT VILLAGE – One bdrm, upstairs apt., l/rm/kitch combo, full bath, priv ent & dr/way, all Village amenities, includes utilities. $975/mo. Jim, 275-0745.

BROOKHAVEN HAMLET – For BNL Employees/guests only, room for rent, quiet, use of house, kit, cable TV, w/d, patioed yd, . $485/mo. Sidney, 286-4028.

MASTIC – 1 bdrm, full bath, kit, den, own drway,/ent, for 1 person, no smkg/pets, 10 min to Lab, 1 mo. sec. $850/mo. Joe Mondi, Ext. 3499, 219-7241.

MASTIC BEACH – 1 bdrm apt, full bath, l/r, kit., priv. ent. & drway, no smkg/pets, all incl. except cable, sec/refs req_d. $950/mo. 281-4559.

MEDFORD – Condo, newly decorated excel for single occupant or couple, 1/br, 1/bath, fully furn., close to lab, avail. June 1st, plus util. $1,350/mo. Gary, 338-5412.

MIDDLE ISLAND – 1 bdrm basement apt, eat-in kitchen, l/r, bath, priv entr, utilities incl, no pets, no smkg. $875/mo. 786-3620.

MILLER PLACE N. – spacious studio apt, sep ent, util. incl., beautiful area near duck pond, ref/sec. $750/mo. 928-0777.

PORT JEFFERSON STATION – Eff. apt, full bath, kitnet, part furn., pvt ent., drwy, all incl./except cable. no smkg/pets. $650/mo. Sucheta Diwan, 828-6677.

PORT JEFFERSON STATION – 3 bdrm, 1.5 bath, l/r, d/r, eik, heated fin. bsmt. w/possible 4th bdrm, w/d, d/w, avail. July 1. $1,850/mo. 413-5012.

PORT JEFFERSON STATION – 3 bdrm house, 1 bath, kitch., d/r, l/r, a/c, incl. laundry, lge yard, gar, deck, no smoking, no pets, v. clean $1,590/mo. 828-6677.

ROCKY POINT – 1 bdrm house, 1/2 basement, oil heat, no smoking/pets. $1,100/mo. 744-8919.

ROCKY POINT – 2 bdrm. house, 10 min. to BNL, heating incl. $1,200/mo. 849-2908.

SHIRLEY – 1rm studio/stove kitnet,furn/full bath/sep ent/heat/elect/int/all incl./5min to stores/beach/LIRR/sunrize hwy. no smkg/pets. $650/mo. 804-8609.

SHIRLEY – lg 1 br bsmt apt, sep ent. close to beaches/parks/hwys/LIRR, 1 mo rent + 2 sec, 15 min. to Lab, no smkg/pets, suitable for one. $725/mo. Ext. 3846.

SHOREHAM – l big bdrm, share a house, 7 mi from BNL, no smkg. $650/mo. 516-380-2650.

SOUTHAMPTON – 3 bdrm, 3 bath, new constr., single family setting, lndscape & maint. incld., no smkg, no pets, cr ck & ref's reqd. pics avail. $2,500/mo. 902-2338.

YAPHANK – 2 bdrm bsmt apt. 1 full bath, lg eik, l/r, storage, pvt ent/yd, yd space avail for extra fee, 8 min from lab. $1,100/mo. Mike, 816-0707.

For Sale

BROOKHAVEN HAMLET – 3br, 2.5 ba, 2car gar, Cust. WF pro. Col. 1 acr, cul-d-sc, nat. prserve. Attchd office w/waitg rm. Beaut. grnds, view, mve-in cond. Backyd dock. $599,000. Ext. 2396.

MILLER PL/SOUND BEACH – Legal Mother/ Daughter, 3 Bed, 2 bath ranch + 1 bd, 1 bath apt. Corner of Adams & N.Country Rd. $395,000 neg. 872-9268.

SHIRLEY – 3 bdrm Ranch, 1.5 bath, hardwood flrs, bsmt, gar., great rm, clean excel cond, family neighborhood, fen. lg yd w/deck. $250,000 neg. Mary, Ext. 3927.

SHOREHAM – 4 bdrm., 2.5 bath Col., frml l/r, d/r, den w/fp, fin. bsmt, 12x20 deck, igs, new granite counters, SWRSD, much more, 7 mi to Lab. $499,000. Ext. 2253, 821-3320.

SHOREHAM – Ranch, newly renov, 3 bdrms, bath, liv room, den, kitch/granite counters, ss appliances, gar, lge yard, family neighborhd, SWRSD. $350,000 neg. 258-4607.

WADING RIVER – 9-rm Col, SWRSD, lge kitch & dinette, l/r, d/r, fam rm w/fpl, 5 bdrm, 2.5 bath, full b/ment, 2-car gar, pool, fencd rr yd, ss. $499,000. 929-6771.

Services

Services are neither screened nor recommended by the Bulletin.

Note: Services submitted before 3/16/09 have been cleared, these below are all new. Employees/guests/subcontractors, enter your service from the "submit an ad" on the homepage, bottom right. Retirees may send an email to bulletin@bnl.gov or regular mail to Bulletin, NL, Bldg.400C, Upton, NY 11973-000.

WINDOW CLEANING – Call me for sparkling window cleaning. Free estimates, mention BNL for your discount. You will not be disappointed. John, 291-2407.

35MM SLIDE SCANNING – www.pictureperfectscans.com scans, color corrects 35mm slides, photos, negs, & converts to DVD. DVD Music slideshows avail. 928-6469.

A+ SINGER WITH DUO – Weddings, concerts, etc.: Yvette sings popular songs with Bob on piano/guitar, Brian on drums. Reasonably priced. 516-680-4012.

A1 LAWN IRRAGATION – complete lawn sprinkler systems installed, repairs, start ups; quality work. Michael, Ext. 5262, 284-2277.

BABYSITTING – Responsible college grad will babysit your children evenings and weekends. Lots of experience with kids! Ref. available. Emily, 516-662-5896.

BRICKWORK – Reset your existing walkway, pool area, or patio to look brand new. No job too small. BNL discount. Tony, 736-7942.

CAR DETAILING SERVICE – Great service, reasonable prices, call for info & appointment. Chris, 960-6243.

CHIMNEY SWEEPS – Fireplaces, wood, coal and oil flue systems. Stainless steel chimney caps, chase pan tops and liners. Michael, 821-5526.

COMPUTER SERVICES – Home & business specialist. New syst. set ups, tune-ups, virus control, lessons from cert. business teacher. Refs, reasonable rates. Jim, 821-2558.

DECORATIVE GLASS – Beautiful solutions for all needs, front door, kitchen, bath, skylight, odd-shaped windows, all types of glass, custom designs. 338-5412.

FLOORING: INSTALLS & REPAIRS – Carpeting, vinyl & laminate. Quality sales and service. Over 20 years of experience. John, 987-6479.

HANDYMAN – lic. & insd., home remodeling, int/ext painting, tilework, woodwork, renovations, powerwashing, building decks etc. Work done w/TLC. Bill, 281-4492.

HANDYMAN – Dependable, On-Time, Expert Service with Attention to Detail. Excellent refs. Discount for BNL employees, Veterans & Seniors. John. 365-4815.

HOME IMPROVEMENTS – Meticulous. If your home needs work or repairs, large or small, call Anthony. Lic./insured. Anthony, 312-2670.

HOME IMPROVEMENTS – Your home care co. All phases of home improvements.roofing, siding, bath, kitchen, decks & more. Lic&Ins. George, 878-1178.

HOMEMADE CAKES BY DEBBIE – All occasions, all shapes, tiered or not. No fondant. Fillings on request. Refs & pictures. Reasonable. 776-0188 or djdg00@optonline.net.

PAINTER – Interior and exterior painter, powerwashing, spackling etc. Very conscientious, neat and finished work looks like a piece of art done with TLC. 291-5026.

PHOTOGRAPHY – Fortunato Photography: weddings, children's portraits, photo restoration, color and/or black and white, Fortunato35@yahoo.com for info. Trisha, 258-3699.

PIANO LESSONS – Classical, All Levels, NYSSMA preparation, in Shoreham. 744-9763.

POWERWASHING - Home exteriors, decks, patios, boats, RVs. Excellent Refs. BNL employee, Veteran & Senior Discounts. John. 365-4815.

TAX PREPARATION – Full accounting & tax for business & individuals. Personalized, affordable service. My office or your home. Tommasa Rosini, CPA, 886-1545.

TAXES – Prepared by Tax Consultant. Servicing Lab personnel for over 30 years. Reasonable. John, 732-2472.

TREE REMOVAL, GRINDING & FILL – Any yard work, winter cleanup, stump grinding, top soil, flower beds built, storm camage. Small jobs OK. Dave, 774-3736.

TUTOR – Experienced chemistry teacher for Regents, AP or College Freshman courses. Stony Brook. 219-7494.

TUTOR – Physics and Mathematics. College or High School levels. Stony Brook. 626-7645.

TUTORING – Honors college grad will tutor children in science & elem/middle school math. Transcript & refs on request. Emily, 516-662-5896.

WATCH BATTERIES – Drop off at lunch, next day return. Starting at $8. Lithium higher. No Swiss Army. 503-1377.

On-Site Services

ENTERPRISE CAR RENTAL - Bldg. 400 lobby. Cars, pick-ups, vans available for short or long rental. Discounted rates for BNLers. Ext. 4888.

UPTON SERVICE STATION - Check your battery, or have your vehicle inspected or oil changed. A full range of repairs is available, all while you are at work. Ext. 4034.

the Bulletin

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On the Web, the Bulletin is located at *www.bnl.gov/bnlweb/pubaf/bulletin.html*. A calendar listing scientific and technical seminars and lectures is found at *www.bnl.gov/bnlweb/pubaf/calendar.html*.

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