

Town of Brookhaven Honors Royce For Community Service Work

Barbara Royce, a BNL employee for the past 30 years, will be honored for her dedicated community service work at the Town of Brookhaven's 24th Annual Women's Recognition Night, on March 25, at 7 p.m. at the Town Hall in Farmingville. She is one of 11 women being recognized for "excellence in their endeavors" during the tribute for National Women's History Month.

Royce earned the Brookhaven Town honor for transforming lives through her work at Thee Island INN Soup Kitchen. She began volunteering at the soup kitchen in 1997 after BNL's annual United Way fundraiser posted a community service call to action. She spent years serving dinners and cleaning up at the soup kitchen before her fellow volunteers urged her to assume the president position. Using her new role, Royce expanded the soup kitchen services to help meet more of her guests' needs by holding donation drives for clothing, coats, and even children's school supplies.

More recently, Royce strategically avoided the permanent closure of the soup kitchen after the building was suddenly sold. She secured a new facility and, with the help of her colleagues at BNL, the Middle Island Rotary Club, and her fellow soup kitchen volunteers, renovated an old building and only had to close operations



Roger Stouenburgh 02/24/09

for one week before re-opening at the new location.

Last year, the Middle Island Rotary Club named Royce the 2009 Paul Harris Fellow for her "Service Above Self" to the community.

In addition to being a community leader, Royce holds two degrees from the University of Massachusetts at Amherst, a B.S. in Civil Engineering and a M.S. in Environmental Engineering. She is a licensed professional engineer in the State of New York.

When Royce joined BNL in 1980 she was a systems engineer III in the Department of Applied Science. She has moved up through the ranks to her current position as the program manager for the Facility Management/Building Manager Program and Special Assistant to the Assistant Laboratory Director for Facilities & Operations.

— Tiana Hicklin

New Microscope Construction Builds New York State Business Opportunities

A local optics company, Optimax, has been successful in learning to make synchrotron mirrors — creating a new niche for New York business and for the U.S.

This work came about during the development of a new, high-tech x-ray photoelectron spectroscopy (XPS) microscope prototype by a methods and instrumentation development team (MIDT) at the National Synchrotron Light Source (NSLS). The MIDT is led by the National Institute of Standards & Technology (NIST) and is a collaborative effort with the NIST Small Business Innovation Research (SBIR)-funded company called R. Browning Consultants.

"This project has turned out to be a great success," said NSLS Chair Chi-Chang Kao. "We are looking forward to working with the team to bring this new capability online as soon as possible. Moreover, the partnership with Optimax is an excellent example of how BNL and New York companies can work together to meet Brookhaven's research needs and create new in-state business opportunities."

Scientists employ XPS microscopes to study materials that are used to make nanotechnologies such as computer chips and solar cells. The new microscope will have a 1,000-fold higher resolution than the technology currently available and will be the world's most advanced XPS microscope when combined with Brookhaven's National



(from left) Peter Takacs, Dan Fischer, Steven Hulbert

Roger Stouenburgh 01/27/2010

The project opened the way for Optimax and other local companies with similar capabilities to manufacture synchrotron optics that could meet the specialized needs of the numerous synchrotrons located around the world, in addition to BNL's NSLS and NSLS-II.

Synchrotron Light Source II (NSLS-II).

In order to reach these new technological heights, the microscope requires a high-intensity laser-like x-ray beam to be focused precisely onto a small region where nanomaterials are inserted. While "breathing life" into the prototype, Dan Fischer, the NIST physicist who is leading the project, found that the x-ray beam could not be aimed in the exact spot required for the microscope's design. He decided that a new toroidal mirror was needed to focus the x-ray beam in the proper location.

The simple solution quickly became difficult for the team after they learned that there are no U.S. companies that manufacture these synchrotron mirrors. Peter Takacs, a physicist in the Instrumentation Division, presented the problem to Optimax, which specializes in the rapid fabrication of optics for devices such as cameras and telescopes.

"Optimax has specialized machines that are capable of making the grazing incidence aspheric mirror that we need, but the optics they normally make are much different than this mirror," said Takacs. "We wanted to convince them to take on the project since there are currently no U.S. suppliers of these synchrotron mirrors."

After visiting the NSLS to understand the technological requirements and several months of reviewing specification drawings, the Optimax team figured out a process to fabricate the 3 x 4.5-inch mirror.

"This was actually a very challenging project," said Joseph Spilman, the sales engineer from Optimax who helped determine whether the company should take on the new niche product. "Brookhaven needed a toroidal mirror, which is a free-form shape that is completely different from what most optics companies in America are used to making."

The company applied its machine expertise and knowledge of optics together with the methodological advice from MIDT and successfully manufactured the mirror to the precise parameters provided to them by MIDT and Steven Hulbert, a vacuum ultraviolet (VUV) optics expert and head of the NSLS Experimental Systems Division.

"Manufacturing the mirror helped us develop new capabilities in an area that we are excited to build upon," said Spilman. "We would like to strategically align ourselves, and our capabilities, to be a good... See Biz. Opportunities on pg. 2

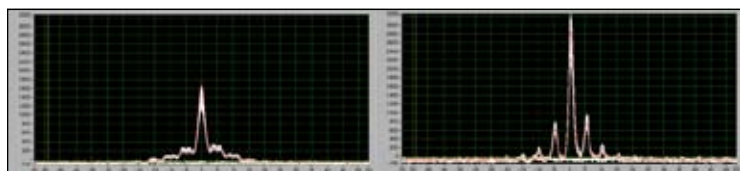
RHIC Run 10: Machine Status and Plans

By Kevin Brown,
RHIC Run 10 Coordinator

Run 10 at BNL's Relativistic Heavy Ion Collider (RHIC) started just before midnight on December 31, 2009. While the ball was dropping in Times Square on New Year's Eve, we were putting beams into collisions so that the STAR and PHENIX detectors could begin collecting data. With Run 10, RHIC entered a new regime of operation, creating the most intense ion beams ever seen at the facility. With this run we are breaking many records and pushing the boundaries of accelerator science.

Ten years ago, RHIC started operation as a unique kind of collider, the first to collide beams of heavy ions. RHIC is composed of two accelerators woven together, crossing at six interaction points. This means we have two, more-or-less-independent accelerators to set up and keep running. It also means that RHIC has many capabilities that make it the best instrument in the world for studying nuclear matter at very high temperatures and densities.

As one of the main centers for accelerator science in the world, RHIC also is an important accelerator to use for the study of the physics of particle beams. RHIC has been host to a long



Stochastic Cooling in Action...

The image on the right is a RHIC bunch of particles that has been cooled for a few hours. The image on the left is a RHIC bunch with no cooling.

What makes the profile on the right better?

The main goal is to fit more particles into the volume where the collisions are occurring and to maintain as many particles as possible in that volume for the many hours that the beams are kept in collision.

In this case, the volume where the collisions are occurring is a region of space upstream and downstream of the interaction point. If the bunches of particles are shorter, then more par-

ticles are fitting in that region of space. The profile on the right has more particles in a given window of time than the one on the left. By increasing the density of particles in this region of space, we increase the luminosity, which increases the probability that two ions will collide. This means higher data rates at the two experiments, allowing them to collect more events within a given time.

tradition of accelerator-physics experiments, and the fruit of these studies is higher luminosity beams for the experiments.

This year, new ideas that were tested in accelerator-physics experiments are being implemented in routine operations, bringing luminosities to the highest levels ever achieved at RHIC. These include bunched-beam stochastic cooling, various lattice optics modifications to avoid instabilities, and new

and improved feedback systems to more effectively control the optics and variations of the ion beam orbits.

As described in an earlier article (see The Bulletin, February 10, 2010 and http://www.bnl.gov/today/story.asp?ITEM_NO=1602), the technique of stochastic cooling is providing STAR and PHENIX with higher collision rates. The results of cooling are impressive.

Techniques to keep the beams

as small as possible usually focus on keeping the beams from growing — in the processes of accelerating them, bringing them into collision, and keeping them colliding. In accelerator physics experiments, we have found ways to adjust RHIC optics to reduce beam-size growth. We also made improvements in the collision optics, making the beams smaller and increasing the luminosity.

With Run 10, we have already broken instantaneous luminosity and integrated luminosity records. In addition to the innovation of bunched beam stochastic cooling, we have used additional feedback systems that make RHIC startup faster and improve the stability and reproducibility of operations.

On March 18, we finished the 200-billion-electron-volt gold-on-gold portion of the Run 10 program. We now embark on a program of low-energy collisions, allowing the experiments to begin the study of the quark-gluon plasma phase transition. We will operate RHIC at progressively lower energies, even going to energies below the normal injection energy. We are looking forward to both new and interesting results produced by both STAR and PHENIX as we continue the push to provide the best possible



On-Site Service Station Open for Business!

Peter Ronalds, new owner of the on-site service station M&L Auto Care, Inc., opened the large bay doors of the garage to welcome customers needing vehicle repairs. “I’m happy to be here,” he said.

The station first opened for repairs in January, then, in February, received final approval to start pumping gas.

“We’re fully operational now,” Ronalds said. “And, we’re a family-owned and managed gas station.” Ronalds’ daughter Melissa has been helping pump gas and will work there until she leaves for college in July. “Perhaps with some luck my younger daughter will come to work here,” said Ronalds with a big smile.

Jeff Swenson of Staff Services, the technical representative for the service station contract, said he believes employees are happy to have the service station back in operation.

“The station seems to be busy,” he said. “We are happy to restore the convenience of a full-service on-site station for BNLers.”

Ronalds, who also owns a service station in Miller Place, said in addition to vehicle repairs and New York State vehicle inspections, he can also do small engine repairs on snow blowers and lawn mowers. “Once I get settled I would also like to include a small bicycle shop at the station,” he said. “I think BNLers might like that.”

For more information on the service station, contact Ext. 4034 or gasstation@bnl.gov. — Jane Koropsak

BNL’s Asian Pacific American Association Offers Dr. Mow Shiah Lin Scholarship

Applications are now being accepted for the sixth Dr. Mow Shiah Lin Scholarship, sponsored by the Asian Pacific American Association (APAA) at BNL. The annual \$1,000 scholarship was initiated to honor the late BNL scientist for whom it is named.

In memory of Lin’s distinguished research, achievements, and inventions, the scholarship is granted each year to an Asian immigrant with a student visa who is matriculating toward a doctorate in environmental & energy technology, biology, or chemistry at an accredited institution of higher education on Long Island, including Brooklyn and Queens, which is reminiscent of how Lin began his career.

BNL scientists and members of APAA choose the winner. The selection criteria include academic records, references, career goals, and other factors deemed appropriate by the selection committee. The scholarship is granted independent of financial need.

Applications and further information can be obtained by calling BNL’s Diversity Office at 631 344-6253, by sending an e-mail to sge@bnl.gov, or by visiting the APAA website at <http://www.bnl.gov/bera/activities/apaa/>. The application deadline is May 31, 2010.

Mow Shiah Lin began his career at the Lab in 1975 as a postdoctoral fellow, and he advanced to co-lead a research team working with an environmental remediation company to use selected bacteria to convert toxic oil wastes, such as used motor oils, into useful products. In 2001, Lin shared an R&D 100 Award, given by *R&D Magazine* to honor the top 100 technological achievements of the year, for a technology to recover silica from geothermal brine. Lin died suddenly in 2003, and his fellow employees, friends, and family contributed funds to establish the scholarship.

New Microscope Construction Builds New York State Business Opportunities

Biz. Opportunities from pg. 1

...supplier of synchrotron optics for Brookhaven.”

The project opened the way for Optimax and other local companies with similar capabilities to manufacture synchrotron optics that could meet the specialized needs of the numerous synchrotrons located around the world, in addition to BNL’s NSLS and NSLS-II.

“We couldn’t be happier that Optimax took a chance on this project and was successful,” said Takacs. “It means that we and other synchrotrons all over the U.S. and the world can now use them as a resource and go back for additional mirrors.”

“This was a great opportunity for government to reach out to small, local companies to help them begin working in technical fields and become a partner for producing synchrotron op-

Getting the Mirror in the Microscope

Gary Nintzel, Michael Caruso, and Qing-Yi Dong of the National Synchrotron Light Source (NSLS), with Zugen Fu of the National Institute of Standards & Technology (NIST), were instrumental in preparing and installing the new mirror and ensuring that it was operational. Said NIST’s Dan Fischer, “This is another wonderful example of the successful 30 year partnership NIST has with the NSLS.”

tics in the U.S.,” said Fischer.

New York State is a major center for optics fabrication in the U.S., encompassing many small businesses that supply the majority of the optics industry needs. The team hopes to inspire additional local optics companies to take up the niche.

“The entire world sees New York State as one of two or three centers for optics, photonics, and imaging work,” says Thomas Battley, executive director of New York Photonics, a non-profit dedicated to the growth of the photonics,

BWIS: Promoting Women, Advancing Science

In honor of Women’s History Month, this is the second article in a series of profiles of women who are members of Brookhaven Women in Science (BWIS).

Meet Lynne Ecker

When Lynne Ecker came to Brookhaven Lab in November 2004 as an associate scientist in the Energy Sciences & Technology (ES&T) Department, she immediately joined Brookhaven Women in Science (BWIS). At a BWIS meeting that month, she heard that the group needed a volunteer to be the speakers’ coordinator for BWIS-sponsored lectures. She pitched right in to volunteer for the spot.

“As a graduate student, I received career advice from a national group, the Association for Women in Science, that helped me land my first job,” Ecker said. “I was glad that BNL had a women’s group where I could share ideas and meet new people. In a workplace as big as the Lab, it’s easy to become isolated in your own department, but it’s important to share ideas. It leads to growth, and often to greater creativity and productivity.”

Ecker earned a B.A. in physics in 1988, an M.S. in mechanical engineering in 1992, and a Ph.D. in solid-state science and



technology in 1996, all from Syracuse University. Before she joined BNL, she worked as an engineer, and eventually as a scientist and senior scientist at Lockheed Martin’s Knolls Atomic Power Laboratory from 1995 to 2004.

Currently a scientist in ES&T’s Advanced Nuclear Concepts Office, Ecker studies materials used in advanced energy systems, such as nuclear and enhanced geothermal systems, under extreme conditions. She uses the National Synchrotron Light Source to characterize these materials to determine their structural and chemical makeup, important informa-

tion for improving their performance.

Ecker was a member of the Child Development Center’s parent council in 2008, and currently, her sons, three-year-old Nathan, and nine-month-old Aaron are enrolled at the center, which BWIS fostered. She is grateful for the convenience of the center on the BNL site.

Along with Kathy Walker, Ecker is currently serving as BWIS Coordinator. She is looking forward to starting a new BWIS networking initiative on March 30. (See announcement below.) Results from a recent BWIS survey circulated among the Laboratory community indicated that a networking group would be welcomed for career growth. Speakers of interest to the Lab community will be featured at some of these networking groups.

“BWIS has had an important impact on the culture of the Lab,” Ecker said. “We are grateful for the support of Brookhaven Science Associates and the Diversity Office, but it is the members who keep the group alive and thriving. We invite the entire BNL community to join BWIS.” — Diane Greenberg

BWIS Sponsors Talks — 3/21, 3/23 On Women’s Rights Movement

In honor of Women’s History Month, Brookhaven Women in Science is sponsoring two talks on the women’s rights movement, to be held on Monday, March 22 and Wednesday, March 25. The entire Brookhaven community is invited to the talks, which will both be held at noon in Berkner Hall.

Local resident Bruce Kagan, a retired elementary school teacher who develops historical presentations for schools and libraries, will discuss how early women’s rights pioneers won basic rights for women in America in his two-part presentation, titled “Women’s Rights...The Struggle for the Vote.” In his first talk, he will focus on events leading up to the first women’s rights convention in 1848. In the second session, he will discuss the major figures in the struggle, such as Susan B. Anthony and Elizabeth Cady Stanton, whose advocacy for women’s rights led to the passage of the 19th amendment, giving women the right to vote in the U.S.

For more information about the talks, contact Kathy Walker, Ext. 7105, or kwalker@bnl.gov.

BSA Noon Recital, 4/7

On Wednesday, April 7, a performance preview of Cavalli’s Opera *Eliogabalo*, featuring one semi-staged act, sung in the original Italian with projected subtitles will be given at noon in Berkner Hall. Stony Brook Opera and Stony Brook Baroque Ensemble will present the complete *Eliogabalo* on 4/9, at 8 p.m., and 4/11 at 2 p.m., in the Staller Center. The BNL performance, sponsored by Brookhaven Science Associates, is free and open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

New BWIS-Sponsored Networking Group

First Meeting: Talk on BNL’s ‘Wellness Initiative’

Brookhaven Women in Science (BWIS) will hold the inaugural meeting of a new group, Brookhaven Networking, on Tuesday, March 30, at noon in Berkner Hall, Room B. At this first meeting, Melissa Bittrolff, a senior benefits representative in BNL’s Human Resources & Occupational Medicine Office, will give a talk on the Lab’s “Wellness Initiative,” in which she will discuss some of the benefits available to BNL employees that they may not know about.

Bittrolff’s presentation will focus on resources available to BNL employees through the Lab and through their insurance companies to help keep them healthy. She will also give tips on how to save money on medical expenses.

“Join us for this great opportunity to get acquainted with BWIS members,” Kathy Walker, BWIS Co-coordinator, said. “BWIS has supported the educational and professional growth and development of women in the scientific arena over the last three decades. Now we are expanding our mission by adding forums for networking, education, partnerships, mentoring and collegiality. Our membership is comprised of a diverse group of men and women who represent the scientific community. We are united by a common commitment to sharing our talents and expertise to provide professional growth opportunities for fellow members, our aspiring scientists, and ourselves. We believe our new networking initiative will help us achieve our goals.”

All BNLers are invited to the presentation and networking group meeting. For more information, contact Kathy Walker, Ext. 7105, or kwalker@bnl.gov, or Lynne Ecker, Ext. 2538, or lecker@bnl.gov.

Arrivals & Departures

— Arrivals —

James Genco.....CAD

Carolyn LampasonaFiscal

— Departures —

Georgy NazinCFN

Informal, Free French Classes: New Session Starts

Sponsored by BNL’s English for Speakers of Other Languages Program, free French classes for adults and children will be available for the Lab community, to be held by Tatiana Tchoubar in the Recreation Building. The children’s class, for children of 3 to 8 years old, will be held in the lounge area on Tuesdays, 5:30-6:30 p.m. A parent must be present. Adult classes will be in the upstairs classroom on Tuesdays, 1-2 p.m. Registration is necessary.

Contact Jen Pieniazek at jpieniazek@bnl.gov or Ext. 4894.



With their coach, Patrick McManus (left) and Ken White, Manager of BNL's Office of Educational Programs, are students in team 1 from R.C. Murphy Junior High School who took first place in the Regional Middle School Science Bowl at BNL: (from left) Yifan Wang, Raymond Yin, Daniel Redlinger, Akilesh Tangella, and Harrison Li.

R.C. Murphy Junior High School Wins Science Bowl at BNL Lawrence Middle School Wins Solar Car Challenge

March 6 was an exciting day for many schoolchildren visiting BNL to attend the Regional Middle School Science Bowl. There are two separate parts to this competition, with an academic contest in the morning, and a solar car challenge held in the afternoon.

This year, students from R.C. Murphy Junior High School were the first-place Science Bowl champions. One hundred students from 13 Long Island middle schools participated in the fast-paced question-and-answer tournament designed to test students' knowledge of life sciences, physical sciences,

earth sciences, mathematics, and general science.

Commack Middle School took second place in the academic contest, Copiague Middle School came in third, and Longwood Junior High School in Middle Island came in fourth place.

In the afternoon, excitement passed to the solar model car competition, in which students design, build, and race model solar cars. Lawrence Middle School's team 2 — all girls — won first place, and the school's team 1 — all boys — won second place. The first-place team's car raced down the fifteen-me-



With their coach Kobir Gupta (left) and Ken White, Manager of Brookhaven Lab's Office of Educational Programs, are students in team 2 from Lawrence Middle School who took first place in the solar car challenge in the Regional Middle School Science Bowl at BNL: (from left) Remy Geier, Brianna Burbia, Victoria DiCeglie, Jennifer Kendal, and Briana Curra.

ter track in 5.65 seconds, only two-hundredths of second less than the second-place winners took — 5.67 seconds — to send their car down the track. Third place in the model car competition went to the Holy Angels Regional School in Patchogue, whose car went down the track in 6.25 seconds.

The Regional Science Bowl at BNL is part of the National Science Bowl® coordinated by the DOE Office of Science. About 60 volunteers from BNL and Stony Brook University donated their time to help run the contest. In 2009, more than 5,000 students participated in regional events

throughout the nation. By taking part in this "Jeopardy"-style academic contest and model solar car competition, students are encouraged to excel in science and math and to pursue careers in those fields.

Each student on the winning teams received a medal, and each winning team received a trophy for its school. R.C. Murphy Junior High School will represent the Long Island region in the National Science Bowl®, which will be held in Washington, D.C., from April 29 to May 4. DOE will fund the team's all-expense-paid trip.

— Diane Greenberg

Hispanic Heritage Club Offers \$500 Scholarships

The BERA Hispanic Heritage Club is accepting applications for five \$500 scholarships for high-school seniors. Applicants should: Be a high school senior graduating in 2010; have a minimum 3.0 cumulative GPA on a 4.0 scale (or equivalent); be accepted by a college for fall 2010 classes to pursue a degree in science or engineering; be a Long Island resident attending Bellport, Brentwood Union Free, Central Islip, Longwood, Patchogue-Medford, Riverhead, Sachem Central, or William Floyd High Schools; have some degree of Hispanic ancestry; and be a U.S. citizen or legal permanent resident with a valid permanent resident card. For more information, see www.bnl.gov/bera/activities/hispanic, or contact Yvette Malavet-Blum, malavet@bnl.gov, Ext. 5591.

KYOGEN: Comic Theater From Japan, 3/22

On Monday, March 22, at 7 p.m., Kyogen, a program of humorous stories and social satire from Japan, will be performed in the Wang Theater, Stony Brook University. Tickets are \$20 for adults; \$15 for seniors; \$10 for students, with 20 percent discounts for groups of five or more. The BERA Asian Pacific American Association has arranged that BNL employees will get a discount by showing ID. For tickets and more information, go to <http://www.stonybrook.edu/sb/wang/events.shtml>.

Play Ball!

Want to play softball in a very casual, fun & family oriented setting? Join BERA Softball. A variety of leagues with a variety of skill levels is available. For more information, call anyone listed on the Softball Board: President, Pat Browne, Ext. 4638; Vice President Jim Durnan, Ext. 5993; Secretary Eric Kramer, Ext. 8226; Treasurer Rich Scheidet, Ext. 5284; Webmaster Michelle Wilinski, Ext. 8709; Special Assistant/Umpire Liaison Joe D'Ambra, Ext. 3764. They will direct you to a team who needs players, or they can help you form a new team.

Defensive Driving Course: Two Parts, 03/22 & 25

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts, on Monday and Thursday, March 22 and 25, in the Brookhaven Center South Room, 6 -9:15 p.m. The course is open to all BNLers, BSA and DOE employees, users, contractors, other guests, and their family members, at \$38 per person. Preregistration is required. Call Ed Sierra, 821-1013, and leave a message. Or take a New York DMV approved course (Use code: "SAVE10" for \$10 discount) online: <http://www.lidrivesafe.com/>.

Drawing To Be Held for Yankee Tickets

Yankee fans — BERA has tickets for only one Yankee game this year. Stop in the BERA Store in Berkner Hall to fill out a raffle ticket for your chance to buy two of the only 55 Yankee tickets available from BERA this year, for the Sunday, April 18, 1 p.m. game vs. Texas. If you are one of the lucky winners of the draw, you may buy a maximum of two tickets at \$35 each. Luxury coach transportation is included. A donation of \$5 for the BNL Food Drive is included in the ticket price.

Rules of the Game

- Raffle tickets will be available from March 19 to April 2.
- The drawing will be held Friday, April 2, 2 p.m. at the BERA Store.
- You must be a BNL employee or retiree to fill out a raffle ticket and can only enter one raffle ticket. A guest may accompany the winner to the game, but the employee must go on the trip.

Sign Up To Take Part In Federally Employed Women's 41st National Training Program

The national organization of Federally Employed Women (FEW) will once again sponsor the annual National Training Program (NTP) during the week of July 12 – July 16, 2010 in New Orleans, LA.

The FEW NTP offers workshops covering subjects in a variety of areas such as: career management, technology and technical skills, personnel, equal employment opportunity and diversity issues, as well as work, family, and health issues. These high-quality workshops are well run and relatively inexpensive when compared to other training courses. This training program has become very popular with the women who attended it in the past because of the quality of the professional and personal development classes.

Requests to attend the FEW 2010 NTP should be directed to departmental managers and supervisors. All managers and supervisors are encouraged to rotate this professional development opportunity as widely as possible within their departments, division or work groups. This year's FEW coordinator is Marge O'Loughlin, Diversity Office, Ext. 6253 or moloughlin@bnl.gov. She is available to answer all questions pertaining to the conference and FEW memberships. Employees interested in attending the conference should contact their supervisors as soon as possible; workshops and hotel accommodations tend to fill quickly.

TIAA-CREF One on One Retirement Counseling

A TIAA-CREF consultant will visit BNL in April: Thurs., 4/1; Wednes., 4/7; Thurs., 4/8; Thurs., 4/15; Tues., 4/20; and Wednes., 4/28. For an appointment, call 1-800-732-8353 or go on-line at www.tiaa-cref.org/bnl and select "set up a meeting."

Fidelity One-On-One Counseling

A Fidelity representative will be on site on Friday, April 23, and Friday, May 7. Sessions will be for approximately half an hour. For an appointment, call 800-642-7131, weekdays, 8 a.m. – midnight, or go to <http://www.fidelity.com/atwork/reservations>.

BERA Trips, Events, Updates

Book Fair: 4/1 & 2 in Berkner Lobby, 10 a.m. – 2 p.m.

International Auto Show: Sat., 4/10, at the Javits Center, NYC. \$20/person. Leave BNL at 9 a.m., leave the show at 4:30 p.m.

Atlantic City: Sat., 4/17, at the Showboat casino on the boardwalk. \$25 per person, get \$25 in slotplay on arrival. Leave Brookhaven Center at 9 a.m., leave Atlantic City at 8 p.m.

Long Island Ducks: BERA has six seats for each home game of the Ducks' baseball season. Buy your \$10 tickets at BERA Store. (Until March 26, one fireworks game only, plus two more games max.)

BERA Board Elections: Eight candidates are presently running to fill four openings on the BERA Board. Look for more information in the March 26 issue of the Bulletin.

CALENDAR

— WEEK OF 3/22 —

Monday, 3/22

***Talk: Women's Rights Movement**
Noon. Berkner Hall. Sponsored by BWIS, talk by local resident Bruce Kagan. See pg. 2.

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.

Wednesday, 3/25

***Talk: Women's Rights Movement**
Noon. Berkner Hall. Sponsored by BWIS, talk by local resident Bruce Kagan. See pg. 2.

Friday, 3/26

***Virginia Bluegrass Concert**
8 p.m. Berkner Hall. "The Crooked Road" star performers and guests. Ticket info.: pg. 4.

Saturday, 3/27

***Gypsy Jazz Concert**
8 p.m. Berkner Hall. Frank Vignola & the Hot Club; Bucky Pizzarelli. Ticket info.: pg. 4.

— WEEK OF 3/29 —

Thurs. & Fri. 4/1 & 2

Book Fair
10 a.m.-2 p.m. Berkner Hall lobby. Books, games at discounted prices.

Friday, 4/2

New Networking Group
Noon. Berkner Hall, Room B. All welcome. Sponsored by BWIS. See details on pg. 2.

— WEEK OF 4/12 —

Monday, 4/12

Pegram Lecture I : Dark Energy
4 p.m. Berkner Hall. Christopher Stubbs, Harvard University, will give the first of two Pegram Lectures, on dark energy. All are invited to this free lecture, open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

Tuesday, 4/13

BREA Meeting
1-2:30 p.m. Research Support Bldg. 400, Conference Room 1. Brookhaven Retired Employees Association meeting. All retirees welcome.

Pegram II : Gravitational Effects
4 p.m. Berkner Hall. Christopher Stubbs, Harvard University, will give the second Pegram Lecture, on novel gravitational effects. All are invited to this free lecture, open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

Service Anniversaries

The following employees celebrated service anniversaries during December 2009:

— 30 Years —

Michael Tannenbaum..... Physics
Albert Queirolo..... NNS
Raymond Ceruti..... Magnet

— 25 Years —

Carl Costantino..... EST
Steven Gill..... Int. Audit & O'sight
Richard Hahn..... Chemistry
Lawrence Hoff..... C-AD
Michael Jacobellis..... C-AD
Swapna Mukherji.... Modern. Proj.

— 20 Years —

Susan Evans-Singleton..... SS
Martin Kelly..... En. & Utils.
William McGrath..... Biology
Donna Storan..... EST
John Valente..... NNS
Flemming Videbaek..... Physics
Christopher Wong..... Medical

— 10 Years —

Richard Izzo..... En. & Utils.
Lois Moller..... Waste Mngmt.
Stephen Schot..... Maint. & Fab.
Mary Ostensen..... EENS

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."

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

ASSOCIATE SCIENTIST (Materials Science) - Requires a Ph.D. in materials science and engineering with experience in the synthesis and characterization of electrodes for advanced batteries. Experience with nanofabrication and advanced characterization tools, such as electron microscopy, is preferred. Work will include the synthesis of nanoscale materials and characterization using electron microscopy and other tools available at BNL's Center for Functional Nanomaterials. Will also assist with the development of a complete suite of ex-situ and in-situ tools to characterize electrode materials using synchrotron x-rays and the facilities available at the BNL National Synchrotron Light Source. The tools will be tailored to investigate how the electromechanical properties of the electrode are affected by fundamental physical and chemical changes occurring during the battery reactions. Under the direction of T. Butcher, Energy Sciences & Technology Department. Apply to Job ID #15243.

POSTDOCTORAL RESEARCH ASSOCIATE – (Experimental Chemical Physics or Surface Science) – Requires a Ph.D. in chemistry. Background in experimental chemical physics or surface science is desired. Should have some experience with laser spectroscopy, high vacuum instrumentation, and ion/electron spectrometers and detectors. A working knowledge of quantum chemistry codes is also desirable. The program involves the characterization of the reactivity and structure (atomic and electronic) of size-selected clusters in the gas-phase and deposited on surfaces. Will participate in a wide range of activities involving nanocatalysis and the development of probes of cluster electronic structure using laser photoemission and/or metastable atom impact. Under the direction of M. White, 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 #15244.

ADVANCED TECHNOLOGY ENGINEER (I-7) - Requires a bachelor's degree in computer science or computer engineering, and five years of relevant experience. Applicant will participate with a geographically distributed team in the design, development, integration and operation of large-scale scientific computing facilities and associated grid software infrastructure. A good knowledge of Java and/or Python and related development tools and frameworks (e.g. CVS/Subversion, Ant/Maven, javadoc, Django, Squalchemy, databases) is required. The ability to work independently and learn new languages and software technologies as needed is critical. Applicant will develop or adapt emerging software technology for use in a distributed, high-performance environment. Experience with Web Service development and with J2EE (servlets/JSPs, JSF, EJBs) and open-source products (Tomcat, Jboss, Hibernate) would be a plus. A good knowledge of large-scale Linux system administration (automation, shell scripting, networking, configuration management, LDAP, AFS, Kerberos, etc.) is required. The ability to work independently and learn new technologies as needed is critical. Will design, adapt, deploy and support emerging hardware and software technology to produce a robust and scalable computing grid supporting a large distributed High Energy Physics collaboration. Experience with provision of multi-tiered Linux-based services in a high-performance/high-availability enterprise-grade environment would be desirable. Excellent written and oral communication skills and ability to travel are

required. Physics Department. Apply to Job ID #15240.

BUDGET ANALYST (A-6) - Requires a bachelor's degree in business or related field, plus a minimum of four years of progressively more responsible work experience. Experience in a finance field or budget capacity is necessary. Requires very strong oral and written communication skills, interpersonal skills and complex problem solving ability. Excellent computer ability (Excel necessary and People Soft experience preferred). Will report to the Deputy Budget Officer and will be responsible for the preparation and performance of various financial reports and analyses and budget assignments servicing both internal and external BNL users; will manage and complete assigned projects to achieve established goals and will do so independently within time and resource restrictions; will resolve questions arising from policies, procedures and guidelines; make recommendations on issues in area; prepare schedules for audits and other reviews; act as backup support to senior staff members, and perform other tasks and responsibilities as specified by Budget Office management. Budget Office. Apply to Job ID #15241.

SR. TECHNOLOGY ANALYST (I-5, reposting) - Requires a bachelor's degree or equivalent work experience, good organization and communication skills and at least one year of experience in an information technology field. Should have experience with Microsoft Windows XP/Vista and Microsoft 2003 Server and should also be proficient in use of Microsoft Outlook, Word and Excel. Familiarity with Linux, Legato Networker, simple scripting and database recovery procedures a plus. Capability to demonstrate knowledge of TCP/IP configuration, security, permissions and resource sharing. Possess the skills for fundamental analysis and troubleshooting in a networked Windows server environment. Understand the differences between VTL, DAS, NAS and SAN and understand the basics of firewalls, databases and backup / recovery methodologies. Must be proactive and able to independently resolve problems and issues. Responsibilities include backup and recovery of 200+ Enterprise Windows Servers, ensuring completion of daily backup jobs and the timely communication of problems, continual attention to maintaining and testing backups and recoveries of entire environment, maintaining backup hardware and software currency. Networker client installations for Windows Servers and Unix/Windows workstations, working with other BNL groups and technicians as well as software vendor support and create and maintain system backup and disaster recovery procedures. Requires some overtime and after-hours support. Information Technology Division. Apply to Job ID #15190. (RM)

TECHNICAL SPECIALIST (T-2) - Requires an AAS degree in mechanical technology or equivalent plus at least four years of relevant experience. Should have good mechanical skills, the ability to work with basic hand tools, and familiarity with mechanical drawings and process and instrumentation drawings. Familiarity with large industrial valve, valve-actuators, and rotating machinery is a plus. Tasks include operation of large helium refrigeration systems, fabrication, installation, and general maintenance of cryogenic equipment, pumps, piping, valves, cryostats and cryogenic targets. Should also be familiar with general vacuum techniques and equipment associated with insulating vacuum systems for cryogenic applications. Good communications skills, and the ability to work as part of a team are important. Regular rotating shift work is required. Collider-Accelerator Department. ERAP Eligible: \$500. Apply to Job ID# 15239.

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

Motor Vehicles

06 TOYOTA SIENNA – Excellent condition, original owner, well maintained, many extras, must sell. Mike, 806-1410.

05 HONDA 750 SHADOW SPIRIT – excel, w/shield, just svcd, pics at <http://tiny.cc/uLZZX>, 3K miles. \$3,500 neg. Ext. 7132.

05 KZ TRAVEL TRAILER FRONTIER – 25' in tow, 30' at site; slps 8-10, extras, outsd showr, UVW 4,773 lbs. \$13,500 neg. 275-0745.

02 LINCOLN TOWN CAR – 480K mi. Sig. Series, 1 owner, all opts incl, htd seats, cd player, showroom cond. \$9,500. 698-0057.

01 HONDA ACCORD EXL – 120K mi. no acids. V4, pwr all, cd/satt, c/c, p/s, a/c, rem strt, new t belt, more. \$5,100 neg. 742-1202.

00 FORD RANGER – 121K mi. 4wd, 6cyl, blk, excel cond, cap & bedliner, pics avail. \$5,400. Ext. 7186 or kwilson@bnl.gov.

98 TOYOTA CAMRY XLE V6 – Hi mi, Ltd, loaded: m/roof, prem sound, CC, A/C, 6AB, \$3,500 neg. Timur, Ext. 5144.

95 DODGE RAM 1500 – 30K mi. blk, 4x4, new tranny, rebuilt V8 eng, 2 new rear tires, front brakes. \$3,500 neg. 208-1542.

Furnishings & Appliances

4 IKEA BILLY BOOKCASES – white, w/height extension, 24Wx11Dx93H, used, assembled, bubble wrapped from overseas move, more items online, \$50. Ralph, Ext. 8060 or rlange@bnl.gov.

ARMOIRE – French country style, honey Alderwood, 4 shelves, 39Wx78Hx19D, \$300. 878-9020 or sivertz@bnl.gov.

BERNHARDT DININGROOM SET – Solid light wood table, 6 chairs. Matching buffet with Marble top. Mint condition. Asking \$900. 848-1022.

CHILD BUNK/DESK BED – all wood, desk pull out bed ask \$600, Ron, 379-0742.

COUCH/SOFA – 3 seater, gd cond, \$50. 315-403-7216 or hayat_banym@yahoo.com.

DESK, IKEA – Model Galant, ~87x47, L-shape, Birch, excel cond, see <http://tinyurl.com/ykd5q5d>. \$50. Ext. 4872.

DESKTOP/TRESTLES – IKEA, used, desk 59Wx32D beech veneer; trestles, fr/bck sep hght-adj'able, beech, \$20. Ext. 8060.

FILE CABINET – Two drwr horiz. file cabinet. Metal. ~28x30x19. Gd cond. (See <http://tinyurl.com/yd8g97t>, \$299) \$40. Ext. 4872.

FLORAL SOFA – \$650, hardly used, purchased Domain \$1,500. Pics upon request, Huntington location. csirio@bnl.gov.

FUTON – double bed, excel cond, gently used, blond wood frame, \$300. Ext. 5460.

KITCHEN – gas oven/stove/\$100 Black & white; refrig/\$100 all white, stnlss stl d/w, new in box/\$300. Don, Ext. 2253, 821-3320.

KITCHEN WALL CABINET – IKEA, white, 24wx15dx28h, used, single dr w/snap-on hinges, \$10. Ralph, Ext. 8060.

MICROWAVE OVEN – GE, Turntable, white, 1.1 cu ft, like new, \$40. 513-6074.

MOVING SALE – Dining table, chairs, sofa bed, cabinets, king sz mattress, lamps.... All must go. March 20 & 21, noon-4pm Rocky Point Yaphank Road (Rt 21), 858-366-8519 or mrngwu@yahoo.com.

PETIT GODIN CAST IRON STOVE – coal/wood stove. Bought late 70s, used reg till 1990. Green porcelain. \$500 neg. Ext. 2131.

SECTIONAL SOFA – blue fabric, high back 2 pop up ft rests, 95"x95, no stains, \$500. David, Ext. 5460 or kirby@bnl.gov.

VICTROLA – Mahog, hand crank, Metal ID Plate 4" hx22" dx20" w. On casters, aprx. 100 records, in gd. workg ordr. \$450. 732-7634.

Audio, Video & Computers

GPS GARMIN NUVI205 – like new, \$70, neg. 742-1202 or cjz_chem@yahoo.com.

HP OFFICE JET K SERIES COPIER – copier/scanner/fax/printer, black & color ink jet, excel cond, \$60. 929-3388.

Sports, Hobbies & Pets

ELECTRIC GUITAR – Yamaha Pacifica w/case & Vox amp. Gd beginners. asking \$169. Al, Ext. 4095 or ravenhall@bnl.gov.

FLY ROD-SAGE XI2 11 WT – new, top of the line saltwater fly rod, 4 pc, retailed/\$720, ask/\$360. Scott, sbronson@bnl.gov.

GIRL'S BIKE – 20" Bratz Bike, used 1 month. Excel cond. \$50. neg. Ext. 3138.

GUITAR AMP: FENDER, PRACTICE – Frontman 15W Practice Guitar Amp, Solid State, excel cond, \$50. Mark, Ext. 2599.

GUITAR TUBE AMP – Crate V50 50W all Tube Guitar Am, 6L6 Power tubes, 12" spkr, perfoond, \$180. Mark, Ext. 2599.

ICE SKATES – men's Bauer Turbo hockey skates, size 11, ladies' Riedell figure skates, size 8, hardly used, \$15/ea. 741-9169.

LADIES MOUNTAIN BICYCLE – GMX hardly used, pic avail, \$50. Ext. 4731.

LOVING HOME FOR ADULT CAT – My daughter is allergic and kitty needs a good home. No litter box, completely trained to go outside. Helen, 612-4568.

PILATES IN CENTER MORICHES – Adult Ed evening mat classes start 3/24 at the Middle School. \$50 for 6 sessions <http://tinyurl.com/yfjsh3x>. Michael, Ext. 8612.

PILATES POWER GYM – brand new, still in box, fitness Quest Inc, purchased from HSC, \$225. Melinda, Ext. 2280.

SURFBOARD – LONGBOARD – 9'4", N. Atlantic, Local shaper. Walker blank/Volan glass, Single fin, \$350. sbronson@bnl.gov.

WANTED SOFTBALL PLAYERS – mixed league (Outlaws), Thursdays, games at 5:30pm, season strts May, need female players, Ed Gavin, Ext. 3277, 516-250-4600.

WETSUIT – men's med., never in saltwater, 1/4" thick, incl 2-pc suit, mask, boots, fins, pic avail, \$125. moloughlin@bnl.gov.

Tools, House & Garden

TOOLS – 1950/60 10" radial arm saw w/tbl, \$100 neg, 10" tbl saw w/36" tbl on stdn \$75 neg, f/p log holder, brass, \$20. Ext. 7114.

Miscellaneous

BABY ITEMS – Tubside bath seat, Safety 1st, \$15, Diaper Genie II, \$6, exersaucer \$21, car seat, \$15, more. 618-5364.

Musical Weekend, 3/26 & 27

Two magnificent concerts are in store next week — read details below. On Friday, March 26, Appalachian Mountain bluegrass folk music will take the stage — and on Saturday, March 27, it's wild gypsy jazz. Come to both!

Traditional Country Music Arrives On Long Island via 'The Crooked Road' Virginia bluegrass musicians will perform, 3/26

The uniquely American folk music of the Appalachian Mountain region of southwestern Virginia, is very much alive and well. Sponsored by BERA, BNL will host an evening of music and fun when musicians from Virginia's "Crooked Road" project perform at Berkner Hall on Friday, March 26, starting at 8 p.m. The Crooked Road in the Appalachians has a rich musical heritage, including banjo music. Through "The Crooked Road:

Virginia's Music Heritage Trail," a project founded in 2003, the tradition is being preserved.

Among performers will be singer and bassist Linda Lay and her husband David on guitar, and recording stars Jonny Clutch and the Jambusters.

Tickets are \$15 in advance at the BERA Store in Berkner Hall and www.ticketweb.com and \$20 at the door. All visitors to the Lab 16 and older must bring a photo I.D.

Now We Hazz — Jazz! 3/27 Guitar virtuoso Frank Vignola & the Hot Club With guitarist, banjo player 'Bucky' Pizzarelli

Berkner Hall will surge to life with wild, gypsy jazz music on Saturday, March 27, when guitar virtuoso Frank Vignola and the Hot Club perform the music of jazz legend Django Reinhardt. Joining Vignola on stage will be "Bucky" Pizzarelli, an American jazz guitarist and banjoist.

Sponsored by the BNL Music

Club, the concert, which starts at 8 p.m., is open to the public. Visitors to the Lab 16 and older must bring a photo I.D.

Tickets for the show are \$25 in advance and \$30 the day of the show. Buy tickets at the BERA Store, through www.ticketweb.com or at the door. Advance ticket purchase is recommended.

MOTORCYCLE JACKET – men's, XL, like new/\$50. George, 779-3099.

NORMAN ROCKWELL BOOK – coffee table book by Thomas Buechner, 12-1/2" x 17", 1983 ed, \$45. Cheryl, Ext. 2272.

NY PHILHARMONIC TICKET – for Sat, 3/20, 3rd Tier Center, \$45 plus Bus from N. Shore Public Library, Pinkas Zukerman, violin concerto, Berg, Brahms. Ext. 7761, 929-4488.

PARAFFIN SPA PLUS – by Homedics; unused, ask/\$20 w/extra paraffin refill incl. Jane, Ext. 2198, 909-7080.

POWERCHILL – Hot/Cold Thermoelectric Cooler. Excel cond. \$75. 878-2425.

TREADMILL – Pro-form Crosswalk LM folding/space saver w/upper body arm workout, \$200. Jane, Ext. 2198, 909-7080.

Car Pool

PLAINVIEW – Established 3-person car pool meeting in Plainview looking for 4th person, 8-4:30. Ron, Ext. 6068.

Happenings

DGB ROCK N ROLL PARTY BUS! – to Don Hill's NYC, Record Company Show-case, April 17, 6pm, \$40, round trip plus admission ticket. dgbdoung@gmail.com.

DINNER/SHOW OUTING – Sat, Oct 16, to "Joseph," Sight & Sound Theatre in PA. Dinner at GoodnPlenty. \$115/pp. Discnt for teen, child. \$60 dep, due May 7. Kim, Ext. 7465, 399-3098 or khayes@bnl.gov.

Free

BUNK BED FRAME – Ikea white metal, twin over twin bunk bed frame. Built in ladder. No mattresses. Sean, Ext. 5331.

MEN'S DRESSER – moving, have other pieces also, u-pic-up. wojtuniak@bnl.gov.

PORTABLE PLAYPEN – 4x4, folds for storage or travel. Ext. 3884.

Wanted

CAR/SMALL TRUCK – that runs well for son going to college, will pay up to \$1200. Bobbi, 291-0245 or bilacqua@bnl.gov.

DONATIONS OF DOG/CAT FOOD – for pets of struggling families/elderly. Donations to go to LI Cares for pantries on LI. Kathleen, Ext. 3161 or kratto@bnl.gov.

FIREWOOD – got downed oak trees? I need firewood. No cash either way. Will cut, take logs away. Ext 2575, 775-9627.

KAYAKS – Need 3 beginner or intermediate level kayaks for creeks & bays. Gd cond, reasonable. Can pick up. John, Ext. 5195.

NEW/GENTLY USED CLOTHES – all sizes, children's books, toys to donate to 76 families in local shelter. Contact Laura X4027, Kathleen, Ext. 3161, kratto@bnl.gov.

STATION CAR – in gd mechanical cond, respectable body, to get student to & from local school. George, 487-5717.

WANTED – LEGOS, sets or collections that are clean and in gd cond. Christine, Ext. 5090 or ccarter@bnl.gov.

For Rent

MASTIC – 1 bdrm, eik, full bath,den,own entr, own drway, 1 mo. sec, no pets/smok, 10 min to Lab, all incl. \$850/mo. joe mondi, Ext. 3499, 219-7241.

MASTIC – New Apt, 1 Bdrm Kit. Liv/rm combo, full bath, priv. ent, own thmostat, util incl, nr LIRR; no smkg/pets, 7 min to Lab \$775/mo. neg, one mo.sec. 335-4907.

MASTIC BEACH – spacious 1 b/r, full bth, l/r & kit, priv ent/drwy, no smkg/pets, sec & ref req, Lease provided & immed occp, all incl but cable. \$900/mo. 281-4559.

MILLER PLACE – share lg furn Colonial house in prof. resid area, 8 mi to BNL, full kit, own bdrm, int/tv/ac/heat/util all incl, responsible non-smkr. \$675/mo. 744-8386.

ROCKY POINT – 1 bdrm, 2nd flr, priv dr, incl. some util, no smkg/pets. \$795/mo. 821-3287.

ROCKY POINT – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, Indry rm on prem, prkg, no smkg/pets, cac, incl gas/water. \$1,150/mo. 806-5965.

ROCKY POINT – 1 bdrm apt, l/r, eik 3 closets, nice, w/d, off st prkg, pvt ent, 9 mi. to lab, near beach, +1 mo sec, incl heat/elec. \$1,000/mo. 849-4708.

W. ISLIP – lg 1 br, lg lr, full bath, sm full kit, use of yd, heat incl. \$1,100/mo. Maritza, 813-0101.

WADING RIVER – Apt in beautiful area 5 minutes to Lab. Suitable for one professional. No pets. Available immediately. \$850/mo. 897-9713.

YAPHANK – 1 bdrm, fully furn, v/comfortable/quiet, computer, magic motion bed, tv, a/c, w/w carpet,new m/wave & fridge,imac, mins to Lab. \$900/mo. 924-3929.

For Sale

PATCHOGUE VILLAGE – 1 story, 2 bds, 1 bth, eik d/r, l/hwd flrs, full bsmt, 1 car gar, cac, igs Lot 100X165, less 1 mi to the bay, train & stores, pic avail. \$300,000 neg. 516-457-5098.

RIDGE – 1 mi to BNL, price dramatically reduced to sell, 3 bdrm, 2 full bath 7 rms ranch w/3 skylights & 5 cathedral ceilings, full bsmt, lg deck, 0.71 wooded acres, Must sell! \$329,000. 917-294-6629.

HILTON HEAD, SC – Retire in beautiful Sun City. Lg 2100sf 2bd/2bth ranch, den, grt rm, d/r, pergola on paver patio, screen rm looks on lagoon, golf courses, pools, more, photos. \$329,000 neg. 843-705-3578.

Services

A complete list of services available from fellow BNLers and their family members — carpenters, chefs, electricians, personal trainers, photographers, tutors, weekend elder caretakers, and more — is available in the PDF version of last week's Bulletin, March 12, 2010 (<http://www.bnl.gov/bnlweb/pubaff/bulletin/default.asp>). Those who do not have access to the Internet can request a printed copy of this list by calling (631) 344-2346.