

BNL Dedicates New Supercomputer, Celebrates Groundbreaking Work In Computational Physics



Roger Stoutenburgh D0131205

Among the distinguished attendees at the dedication of the new U.S. QCDOC supercomputer are: (front, from left) Joseph DePace, BNL; Maurice Goldhaber, BNL; Frithjof Karsch, BNL; Robert Mawhinney, Columbia University; Michael Creutz, BNL; Norman Christ (slightly back), Columbia; Jeff Mandula, DOE; Nicholas Samios, BNL; and Sam Aronson, BNL.

On Wednesday, November 30, scientists gathered at BNL to dedicate a new supercomputer devoted to quantum chromodynamics (QCD), the theory that describes the interactions of subatomic particles, and to celebrate the 25th anniversary of a scientific paper first using now-standard computational techniques.

QCD is largely concerned with the interactions of quarks, the particles that make up more familiar protons and neutrons in the nuclei of ordinary atoms. "Placing" the quarks at discrete points on a geometric crystal-like lattice simplifies the study of these interactions.

In the late 1970s, BNL theoretical physicist Michael Creutz and colleagues Claudio Rebbi, now at Boston University, and Laurence Jacobs, now at kdlabs AG in Zurich, showed that one could compute the properties of these interactions using random numbers, or Monte Carlo techniques, to explore the vast range of possible values for the fields binding the quarks on the lattice. Creutz's seminal paper on the topic was published in the journal *Physical Review* in 1980.

"This paper became the most cited of the year, and Creutz's computational methods have since been applied to many other QCD calculations and a variety of theoretical problems in physics," said Sam Aronson, BNL's Associate Laboratory Director for High Energy and Nuclear Physics.

Lattice QCD Celebration

The November 30 celebration of this groundbreaking computational physics was organized by Frithjof Karsch, Lattice Gauge Theory Group Leader in BNL's Physics Department; Norman Christ, Columbia University; and Aronson, who gave the opening address at the event. Scientific talks by leaders in the field followed on the history and significant developments in "Lattice QCD."

John Kogut of DOE spoke on "The beginnings of lattice QCD," followed by Robert Sugar of the University of California, Santa Barbara, on "Lattice QCD in the U.S.: past, present and future," Richard Brower of Boston University on "Future directions for U.S. lattice gauge theory software effort," John Negele of the Massachusetts Institute of Technology on "Nucleon structure from lattice QCD," and Karsch of BNL on "Twenty-five years of QCD thermodynamics on the lattice: from the early days to QCDOC."

Said Karsch, "In 1980, BNL was the birthplace for lattice gauge computations performed on a computer and it has played a leading role in this rapidly growing field of theoretical physics ever since."

New U.S. QCDOC Is DOE-Funded

After the talks, BNL Laboratory Director Praveen Chaudhari spoke at a

ceremonial dedication of the new 10-Teraflop supercomputer, known as the U.S. QCDOC (for quantum chromodynamics on a chip) and located in the QCDOC Computer Lab, Bldg. 515.

At the dedication ceremony, Chaudhari expressed his hope, "that this is not the end of a success story but the beginning of an exciting period of research carried out on the QCDOC computers."

The U.S. QCDOC — sister to a similar machine dedicated at the RIKEN BNL Research Center (RBRC) at BNL in May, and also one located at the University of Edinburgh in Scotland — was designed and built by a collaboration of BNL, Columbia University, IBM, the UKQCD collaboration in the United Kingdom, and RIKEN (the Institute of Physical & Chemical Research in Japan). Construction was funded by the Offices of High Energy Physics, Nuclear Physics, and Advanced Scientific Computing Research within DOE's Office of Science, with operational funding coming from the Offices of Nuclear Physics & High Energy Physics.

The head of the design team of the QCDOC computers, Christ, added, "Today, with the 10-Teraflop DOE machine and 10 Teraflop RBRC machine, BNL has the largest computer installation devoted to lattice QCD in the world."

Future Exploration

Creutz and fellow theoretical physicists from BNL and other U.S. institutions will use the new machine to continue exploring the complex interactions of quarks, and to predict and better understand some of the properties of a new form of matter under study at Brookhaven's Relativistic Heavy Ion Collider (RHIC). Recent analysis has revealed that the "soup" of quarks created in this machine behaves more like a liquid than the gas that had been predicted. So called "finite temperature QCD" calculations, currently underway on the QCDOC machines are aimed at determining the apparently complex structure of this liquid.

Though the QCDOC architecture was designed for efficient calculation of strong interactions, it turns out to have much broader applicability. The machines are also being applied to problems in computational biology and chemistry. The U.S. QCDOC was built as part of the United States Lattice Gauge Theory Computational Program (USQCD, see: www.usqcd.org/) with the understanding that Brookhaven Lab would be one of three labs providing the primary computational resources for USQCD (the others being Thomas Jefferson National Accelerator Facility and Fermi National Accelerator Laboratory).

— Karen McNulty Walsh

BNL Establishes NSLS-II Project In Light Sources Directorate

Recently, Laboratory Director Praveen Chaudhari named Steve Dierker, Associate Laboratory Director (ALD) for Light Sources, as Project Director of the newly established National Synchrotron Light Source II (NSLS-II) Project. The move was triggered by the Lab's recent success in getting DOE approval for "Critical Decision Zero" (CD-0, Approval of Mission Need) for NSLS-II, the planned world-leading successor to BNL's NSLS. NSLS-II will meet critical scientific challenges of the future, provide state-of-the-art technology for research — complementing BNL's Center for Functional Nanomaterials — and play a pivotal role in fostering economic growth in the northeastern United States.

CD-0 is the first of five Critical Decisions that the project will need to achieve in order to progress through the successively more detailed stages of conceptual design, preliminary design, and final design, followed by construction, and then operations. While the site for NSLS-II is not formally selected until the next Critical Decision (CD-1, Approved Alternative Selection and Cost Range), BNL believes that there are strong reasons for citing NSLS-II at BNL.

"At Brookhaven, we have long experience and deep technical knowledge in the synchrotron light source field, along with an excellent infrastructure, demonstrated support from potential facility users of national and international standing, and an extraordinarily skilled and experienced workforce," states Dierker. "For these and other reasons, we believe NSLS-II should be located here at BNL."

NSLS-II will be a major project, with an estimated cost of \$800M, and will employ up to 200 people during the peak of construction. The NSLS-II Project organization is

being created in the Light Sources Directorate to put in place the management systems and infrastructure required to execute this complex undertaking. Building upon the groundwork laid by NSLS staff, the first task of the new organization will be to develop the documents required for CD-1, including a Conceptual Design Report and more refined cost and schedule estimates.

As NSLS-II Project Director, Dierker will retain his position as ALD for Light Sources and step down as Chair

of the NSLS Department. Chi-Chang Kao, the current NSLS Department Deputy Chair, has been named Interim NSLS Chair and, after a transition period, will assume his new responsibilities in mid-January, 2006.

The NSLS-II Project Office will be housed in Building 817. The organization plan is well under way, and includes an Administration & Finance Office, headed by an Associate Director for Administration & Finance; and three technical Divisions — Accelerator Systems, Experimental Facilities, and Conventional Facilities — each headed by a Division Director. Several advisory committees are being formed to

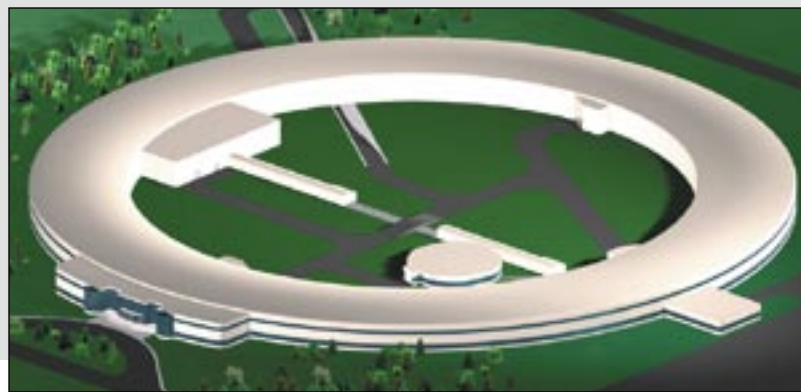


Roger Stoutenburgh D0030501

"At Brookhaven, we have long experience and deep technical knowledge in the synchrotron light source field, along with an excellent infrastructure, demonstrated support from potential facility users of national and international standing, and an extraordinarily skilled and experienced workforce."
— Steve Dierker

provide broad perspective and expert advice, including an NSLS-II Advisory Board and advisory committees for each of the three Divisions.

Each Division will be responsible for design and construction activities within its specialty area, and will be staffed with a range of specialty groups. Many of these positions are expected to be filled by existing Lab personnel. With an estimated annual operating cost of \$90M, the staff required to operate NSLS-II will be about twice as large as that required to operate the present NSLS, adding about 200 new positions to the Laboratory.



CALENDAR
OF LABORATORY EVENTS

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermediate, Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays & Wednesdays: Pilates

Mondays at noon, Wednesdays at 5:30 p.m., both in Rec. Hall. 9-week session, \$60 for once a week, \$70 for twice a week. Registration is required. Christine Carter, Ext. 5090.

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Wed., & Fri.: Tai Chi

Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tues. & Thurs: Aerobics

5:15-6:30 p.m., Rec. Hall. 10 classes for \$40, or \$5 per class, pay as you go. Pat Flood, Ext. 7866.

Tues. & Thurs: Aqua Aerobics

5:15-6:15 p.m. \$20 to attend once a week, \$40 to attend twice a week. For more information, call Ext. 2873.

Tues. & Thurs: Jazzercise

Noon-1 p.m., Rec. Hall. \$88 for twice-a-week eight-week session, you may use the membership at several Jazzercise locations. Christine, Ext. 5090.

Tues. & Thurs.: Ving Tsun Kung Fu

Noon-1 p.m., Brookhaven Center, North Room. \$80/month or \$10 per class, pay as you go. Taught by Master William Moy. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Tue., Thu. & Fri: Upton Nursery School

8:30 a.m.-noon, Rec. Hall. 2- and 3-day programs available. Kati, 821-4131.

Tuesdays: Welcome Coffee

10 a.m.-noon, Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmstrs/.

Tues., Wed. & Thurs: Rec Hall Activities

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

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Fang Dong, 871-5362.

Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga

Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Ballroom Dance Class

\$30/pers./6-weeks. Brookhaven Center, N. Ballroom. Beginner rumba, 6 p.m., adv. foxtrot, 7 p.m. Instructor: Giny Rae. John Millener, Ext. 3853; Madeline Windsor, Ext. 5069.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, Ext. 2027.

Fridays: Family Swim Night

5-8 p.m. BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30

Retiree Gus Prince Featured in Wartime Service Stories Book

“I’m as good as anybody.” That is the lifetime motto of BNL retiree Augustus “Gus” Prince. It is a motto that was born in a tiny moment during a war filled with mammoth events.

Prince is one of the featured veterans in a recent book published by National Geographic Books in association with the Library of Congress. Entitled, *Forever a Soldier: Unforgettable Stories of Wartime Service*, and written by Tom Wiener, the book was released on Veterans’ Day, 2005. It is a narrative of short stories of veteran personnel from World War I through the current conflict in Iraq.

Prince says that he does not know why his story was chosen. But he does have an important story to tell.

Prince was born in Philadelphia, Pennsylvania, in 1924. His mother was a strict disciplinarian who encouraged Prince and his two brothers to get a good education. Even with his good grades, he lacked the funds to attend college. So, after graduating from high school, he went to work as an electrician at the Sun Shipbuilding and Drydock Company in Chester, Pennsylvania. After working there for more than a year, and with World War II on, he decided to enlist in the U.S. Navy, where his younger brother was already serving. Prince loved science, so he signed up for radar school, and became the first black radar man in the history of the U.S. Navy.

It was not easy for him, however. He encountered difficulties in finding a ship that would take on a black radar man even after he successfully completed the necessary training. He was finally assigned to the *Santee*, a former oil tanker that had been converted to an escort carrier. Prince was familiar with the *Santee* since it was a product of the Sun Shipyard where he once

worked. The *Santee* had been dubbed the “Queen of Navy escort carriers” after it survived and remained afloat following a kamikaze and Japanese torpedo attack in October 1944.

Prince boarded the *Santee* in San Diego in December of 1944 and headed for Pearl Harbor, Hawaii. Once on board, he met Lieutenant C.L. Fergus, who was in charge of the ship’s radar. Prince asked him, “Will I serve as a radar man under your command on this ship?” Fergus responded, “Did you finish radar school?” “Yes,” said Prince. “Then, that is what you will be,” replied Fergus.

It was at that moment that Prince realized he was as good as anyone else and could do whatever he aspired to do. In his spare time, when he was off duty from the ship’s Combat Information Center, Prince taught the other radar men algebra and trained as a middle-weight boxer.

When Prince joined the *Santee*, it was providing direct support to American ground troops. The ship was instrumental in the evacuation of prisoners of war following the April, 1945, Battle of Okinawa and until the cessation of hostilities was declared in August 1945. The *Santee* remained active in military operations, until it was retired in December of 1959.

Prince received an honorable discharge from the U.S. Navy in November, 1945, and, thanks to the G.I. Bill, he attended the University of Pennsylvania, where he earned a bachelor’s degree in physics. He went on to get his master’s degree in physics from Drexel University, specializing in nuclear physics. In 1966, Prince joined BNL to work in the Nuclear Data Center. During his 27-year career at the Lab, he performed a variety of work in the area of reactor safety.



Prince in 1944: the year he became the first black radar man in the U.S. Navy.

Prince formally retired in 1993, but his service to the Laboratory did not end then. Today, at age 81, he is still traveling to colleges, recruiting minority engineers and scientists on behalf of BNL.

Shirley Kendall, Manager of the Lab’s Diversity Office, says, “Gus continually comes up with innovative ideas that encourage young minority scientists to come to BNL. He travels to colleges and universities and meets with the students to talk about the opportunities BNL has to offer. He is well-respected by the students and his colleagues, and is a true gentleman.”

Says Prince, “It has been a privilege and an honor to work with such talented scientists and engineers throughout my career. With cooperation from BNL researchers, the Lab has organized a recruitment committee that assists me by providing me with

information on current research projects and ideas for recruitment. We meet a few times a year to discuss what we can do in order to generate interest for minorities to come to work at the Lab. Amazingly enough, after 60 years, I still remember what Lieutenant Fergus taught me: I’m as good as anybody. If I can make an impression like that in the life of one aspiring scientist, then I will have passed down a valuable life lesson.” — Jane Koropsak

Note: Prince appeared at a book signing with author Tom Wiener in Prince’s hometown of Palm Coast, Florida, on December 7 (Pearl Harbor Remembrance Day). For more information on the book, Forever a Soldier: Unforgettable Stories of Wartime Service, go to: www.loc.gov/vets. A video interview with Prince is at: <http://lc-web2.loc.gov/cocoon/vhp-stories/loc.natlib.afc2001001.23696/>.

Science-Based Gifts To Buy on Site

The BNL Science Learning Center store in Bldg. 935, on the corner of East Fifth Avenue and Railroad Street, will be open for the holiday season on Fridays, 11:30 a.m.-1:30 p.m., and will stock a variety of science-based gifts for the whole family.

The Science Learning Center is the new name chosen to express more accurately the focus and mission of what used to be BNL’s Science Museum, which has always been a center of science education. Visit to shop and, at the same time, look around the exhibits, including the new stringless harp.

Elder Law Seminar

Join Nancy Burner, former president of the Suffolk County Women’s Bar Association and a member of the National Academy of Elder Law Attorneys, on Thursday, December 15, from noon to 1 p.m. in Berkner Hall where she will present the elder law seminar “Long Term Insurance: What’s New — Do I Need It?” Check your mailbox for registration forms. Return completed forms to Michael thorn, Bldg. 490. For more information, contact Thorn at Ext. 8612 or mthorn@bnl.gov.

Service Anniversaries

The following BNLers celebrated service anniversaries during September 2005.

— 35 Years —	
Frank Paige, Jr.	Physics
— 30 Years —	
Brant Johnson	Physics
Gordon Smith	CSC
Arokiasamy Francis	Env. Sci.
Avril Woodhead	ISD
— 25 Years —	
Stephen Plate	Magnet
Michael Seidman	BSD
Paul Kalb	Env. Sci.
Francis McNeill	F&O
Kevin Cosgrove	Emerg. Svcs.
Barbara Royce	Plant Eng.
— 20 Years —	
Michael Lenz	Physics
James Rowehl	Staff Svcs.
Susan Signorelli	ES&T
Madeline Hughes	NSLS
John McGowan	Instrumentation
— 10 Years —	
Scott Snyder	Physics
Haixin Huang	C-A
Gregory Marr	C-A

Arrivals & Departures

— Arrivals —	
None	
— Departures —	
Lore Barbier	Env. Sci.
John Glass	Medical
Michael Greene	PPM
Kyongha Kang	CFN
Michelle Miller	NN
Seth Rivera	Medical
Scott Rottner	C-A
Michael Trager	C-A

United Way Campaign Goal in Sight

As the activities of this year’s United Way campaign come to a peak, campaign Chair Doon Gibbs reports that BNL is very close to this year’s goal of \$100,000. BNL employees have generously contributed over \$75,000 as well as their time and effort to help fellow Long Islanders in need through the United Way member agencies. Tax-deductible donations will be gratefully accepted through the next few weeks, so all are asked to remember to give.

“The most enjoyable part of the holiday season is taking the time to celebrate with family and friends, to count our blessings, and to help those less fortunate,” said Gibbs. “The fund-raising activities of this past week, although not yet tallied, demonstrate the BNL spirit at its best, with the holiday auction, yard sale, 50/50 raffle, Southwest Airlines ticket raffle, and international food tasting, as well as many local fundraisers.

“BNLers have shown their generosity by volunteering, and by donating food, coats, and toys,” continues Gibbs. “I’ve been impressed with the commitment of our committees and creative efforts of many to raise money, from the highly attended auction to an outstanding international food-tasting event. Everyone who has contributed and given of his or her time has shown how to “Lend a Helping Hand.”

Doon Gibbs, Associate Laboratory Director for Basic Energy Sciences (BES), and Mary Campbell, BES, are this year’s United Way Chair and Co-Chair. A pledge form has been sent to each employee; by completing and returning the form, contributors may donate a one-time gift or gift via payroll deduction over the span of 2006. Directions for donating are on the pledge form.

Other ways that BNLers can contribute to the success of the campaign include:

- **Volunteer Days Program**, 11/15-12/31. In the Volunteer Days Program, BSA provides \$20 to the United Way campaign for every hour of employees’ volunteer work, up to a ceiling of \$10,000. For more information about the many volunteer opportunities and to obtain forms, contact Maria Beckman, Ext. 5483, or Beth Blevins, Ext. 6033.
- **Holiday Gift Wrapping**, 12/19-22, 11 a.m.-2 p.m., Berkner Hall lobby. You shop, we’ll wrap for you! For more information, contact Joanne Rula, Ext. 8481.



**Boyd’s American Indian Regalia
Displayed in Berkner Hall
Celebrates American Indian Heritage Month**

Orange, yellow and red feathers, intricate beadwork, fringed buckskin, a tomahawk also used as a peace pipe, a tortoise pouch, moccasins, and a large spear are all part of an American Indian formal ceremonial outfit that BNL custodian Wayne Boyd had custom-made for himself about 20 years ago. Thanks to the Diversity Office, the Community Relations Office, and Boyd’s agreement to loan his “irreplaceable” outfit to BNL for display, the full regalia has been showcased in Berkner Hall lobby since November to celebrate American Indian Heritage Month. Also on display near the entrance to the cafeteria are photos of Boyd in the outfit and information on Long Island Indian tribes. Both exhibits can be seen through December 16.



Describing his custom-made outfit, Boyd said, “The war lance and war bonnet, decorated with turkey feathers, were made in Oklahoma, the leatherwork was done in the Carolinas, and a friend of mine did the beadwork.”

A descendant of the Montaukett Indians, Boyd’s Indian name is “2-Deer,” a name derived from his shooting two deer at once during his first hunting trip as a young man. The Montauketts were the original inhabitants of Montauk, Long Island, and they taught the English settlers how and when to plant crops, hunt and trap.

Boyd’s late father, Henry Boyd, also worked for BNL, from 1948 to 1990, first as a janitor, and, eventually, as supervisor of Special Services. Wayne Boyd grew up in Riverhead, but now lives in Ridge, where he raises and trains horses - a passion he has pursued his whole adult life. Currently, Boyd owns six horses, and he is a member of the American Paint Horse Association, the second largest breed registry in the U.S. Paint horses have a distinctive combination of color and conformation -- white mixed with darker spots of black, brown, amber or other colors -- and they historically have been a favored horse of American Indians.

Boyd has been invited to attend prestigious horse shows, such as the Hampton Classic, to show off his horses and his elegant American Indian regalia. He also wears the full outfit when he is invited to speak to students in local schools about the American Indian’s culture. — Diane Greenberg

Quicker Service for Regular Gas

Because regular unleaded gas is so much more in demand than plus or super, the on-site service station, Upton Industries, Inc., has doubled the dispensers pumping regular unleaded gas, and eliminated plus gas, for a six-month trial period. Customers will be able to get unleaded regular gas from the two end dispensers, and unleaded super from the middle. Comments on this change will be welcomed. Call William Widmer, Ext. 4034.



**BSA Noon Recital, 12/14
Music for the Bassoon**

Composer and pianist Peter Winkler will join bassoonist Gili Sharett in concert on Wednesday, December 14, at noon in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages Brookhaven Lab, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

A music professor at Stony Brook University, Peter Winkler composes both concert and theater music in a mix of popular and classical styles. Bassoonist Gili Sharett, who received her BA in music from the Rubin Academy of Music in Tel Aviv, Israel, earned a Ph.D. in musical arts from Stony Brook University. She debuted as a soloist at Carnegie Hall in 2004 and currently plays in the orchestra for Lincoln Center’s Tony-award winning play, *The Light in the Piazza*.

The program will include Winkler’s composition called “Gili’s Music,” which highlights Gili Sharett’s influences, from Baroque music to her Israeli origins. Also included in the program will be a sonata by Mozart, a rag by Winkler, and a tango by Astor Piazzolla.



**Bassoonist Gili Sharett and
composer and pianist Peter Winkler.**

Give to Help Domestic Violence Victims

The Police group is once again collecting items for Suffolk County Coalition Against Domestic Violence. Urgently needed are: coats, women’s business attire, children’s clothes, toiletries, phone cards, toys, diapers, etc. Items can be dropped off at any time at Police Headquarters in Bldg. 50, or to an officer at the main or North gates. Checks can also be made out directly to the Suffolk County Coalition Against Domestic Violence and mailed to Kathy McNaught, Bldg. 50.

**Annual Holiday Potluck Party, 12/18
Sponsored by the APAA, Hospitality Committee**

The Hospitality Committee and the Asian Pacific American Association cordially invites all BNLeers to a holiday potluck dinner in the Rec. Hall on Sunday, December 18, starting at 5 p.m. Santa will visit at 5:30 p.m. and will bring presents for the good little BNL children. Chicken, ham, pies, and drinks will be provided. Bring a dish to share with six people. For more information, contact Lisa Yang, 878-3937 or lisayang@optonline.net.

**Sam’s Club Shopping
For BNLeers, 12/11**

From 7 to 9 p.m. this Sunday, December 11, Sam’s Club on Horseblock Road in Medford will be closed to the general public, but open for BNLeers to shop without crowds and long lines. Those BNLeers who do not have a Sam’s Club membership are welcome to shop too and can join Sam’s club for a year for \$38. Or, if they choose not to join, then they will be charged a 10 percent non-member fee on their total purchase.

For more information, contact Kim Neuss, 447-0253.

**Volleyball Standings
as of 12/2**

— Open League A —	
UCB Roof Co.....	29 - 6
Volley Lama.....	20 - 15
EZ Pass.....	19 - 21
Far Side.....	7 - 33
— Open League B —	
Shankadelic.....	15 - 3
Easy Spikers.....	14 - 4
Late Entry.....	10 - 8
What Ball, Where?.....	10 - 8
PHENIX Fire.....	6 - 12
Setting Ducks.....	6 - 12
Up-Setters.....	2 - 16
— Mixed League 2 —	
Ball Hogs.....	17 - 7
Court Jesters.....	13 - 11
Nuts and Bolts.....	13 - 11
New Blood.....	13 - 11
Another Round.....	9 - 15
Goodtimers.....	7 - 17
— Mixed League 3 —	
Last Minute.....	18 - 3
Upton Ups.....	12 - 9
Newbies.....	10 - 11



FINANCIAL PLANNING

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, 12/14; Tuesday, 12/20; Wednesday, 12/21; Wednesday, January 4; Friday, January 6; Monday, January 23; Wednesday, January 25; and Monday, January 30; to answer employees’ questions about financial matters. The consultant will help you to understand the importance of protecting your assets against inflation, find the right allocation mix for you, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Kathy Murphy, (866) 842-2053, Ext. 4625. (Not the on-site Ext 4625.)

**CALENDAR
(continued)**

— THIS WEEKEND —

Friday, 12/9

ALIO Industries Demo
10 a.m.-2 p.m., Berkner Hall. ALIO representatives will present BNLeers with information on their nano-resolution parallel and serial kinematic atmospheric, HV and UHV robots, including hexapods, tripods, linear, rotary and goniometric stages. Dan Crews, 303-339-7500.

Cycletrons Holiday Party
Join the Cycletrons, BNL’s Motorcycle Club, at 5:30 p.m. at Peanuts, Main St., Yaphank. \$10 per person includes hot buffet, cash bar. RSVP to soja@bnl.gov. For more information, contact Frank Dusek, Ext. 2022.

Saturday, 12/10

Hospitality Bus Trip to NYC
9 a.m. Bus will leave the Recreation Bldg. in the apartment area and will leave the city at 5 p.m. See holiday decorations, enjoy shopping, etc. Adults, \$10, children 2-12, \$5. Monique de la Beij, 399-656.

— WEEK OF 12/12 —

Wednesday, 12/14

***BSA Recital, Bassoon & Cello**
Noon. Berkner Hall. Stony Brook professor and composer Peter Winkler and bassoonist Gili Sharett perform music by Winkler, Mozart, and Astor Piazzolla. All are welcome to this free recital sponsored by BSA.

Thursday, 12/15

Choice Distribution Demo
10 a.m.-3 p.m., Berkner Hall. Representatives from Choice Distribution of West Babylon will present BNLeers with discounted rates on industrial hardware and consumable MRO products, including nuts, bolts, drill bits, screws, cutting tools, anchors, and more. Glenn Rones, 756-0120.

Friday, 12/16

BERA Holiday Party
7 p.m.-midnight. Three Village Inn, Stony Brook. \$50/person includes open bar, reception, dinner buffet, dessert, and dancing to a DJ. Buy tickets at the BERA Store or

Sunday, 12/18

***Hospitality, APAA Potluck Party**
5 p.m. Recreation Hall. All are invited. Meats, pies, drinks provided. Bring a dish to share with six people. Santa will visit at 5:30 p.m. with gifts for children. Lisa Yang, 878-3937.

— WEEK OF 12/19 —

Monday, 12/19

IBEW Meeting
There will be no IBEW Meeting this month.

Wednesday, 12/21

410th Brookhaven Lecture
4 p.m. Berkner Hall. Peter Steinberg, Chemistry Department, will talk on “A Brief Dip into the Sea of RHIC Physics.” All are welcome. Visitors to the Lab of age 16 or 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.

Winter weather is approaching.
Unsure of BNL snow closings?
Call 344-INFO.

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

The following positions have been exempted from the freeze by the Deputy Director:

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

NS3929. ASSOCIATE PROJECT DIRECTOR FOR ADMINISTRATION AND FINANCE – NSLS II (M-2) – Requires an advanced (MS or MBA) degree or equivalent, formal project management training, plus at least 15 years of experience with a minimum of 5 years in a management position. Leadership experience and a proficiency in financial analysis and forecasting with a working knowledge of BNL's PeopleSoft Financials, HR and Labor Cost Distribution systems is essential. A good understanding of BNL and DOE policies and procedures is important, along with excellent written and oral communication skills and the capability to productively work in a team environment. Will directly report to the National Synchrotron Light Source-II (NSLS-II) Project Director and serve on the executive management team. Responsibilities will include oversight and supervision of all support functions on the project, including, Budget, Project Controls, Procurement, Human Resources, Information Technology, Facility and Secretarial Support for the ~\$800M Construction Project. Will also serve as Assistant to the Associate Laboratory Director for Light Sources and in this capacity will assist in the formulation, development, and implementation of policies, practices and procedures designed to carry out the scientific programs of the Light Sources Directorate. Will be respon-

sible for coordination of existing NSLS resources and activities with those of the construction project. National Synchrotron Light Source-II Project.

NS3928. ADMINISTRATIVE ASSISTANT (A-4) – Requires an AAS in secretarial science or equivalent, excellent oral and written communication skills, and a thorough knowledge of Laboratory policies and procedures. Must have the ability to operate independently and regularly exercise a high degree of discretion and judgment. Requires eight years related administrative experience, including six years at BNL in a role that provided exposure to broad knowledge, skills and abilities. Must have the ability to work in fast-paced office with quickly changing priorities, maintain a flexible schedule, and possess strong organization and decision-making skills as well as excellent interpersonal skills. Will provide administrative support and expertise to NSLS Chair, management, and staff in either a general or specialized administrative function, and be responsible for supervision of the NSLS Secretarial Staff. Will perform recurring administrative tasks in support of NSLS Chair, including: upkeep of daily calendars, arrangement of meetings with internal and external contacts, maintenance of leave records and all administrative records and files pertaining to NSLS Chair. Discretionary and confidential handling of sensitive information is an essential element of this position. Will be expected to take appropriate action on behalf of NSLS Chair in Chair's absence, and respond to internal and external requests for information and guidance. In-depth knowledge of the following is required: MS Office programs, PeopleSoft Financial including travel, labor, web requisitions, and PeopleSoft HR. National Synchrotron Light Source Department.

TB3653. STAFF SPECIALIST (A-6) – Requires a bachelor's degree in accounting, business administration or equivalent plus at least four years related experience. Extensive administrative experience should include financial performance, contract administration, coordination of program funding, grant preparation, and financial reporting. Excellent written and oral communication skills, proficiency in Excel and other MS Office products and experience with PeopleSoft is required. Will assist in overall management for the department administrative business activities including budgets, subcontracts, and grant preparations for DOE and other federal agencies. Medical Department.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

NS3930. PROJECT CONTROLS MANAGER (M1) – Requires a bachelor's degree (advanced degree preferred) or equivalent, formal project management training, plus at least 15 years of experience in project scheduling and performance measurement. Experience with implementing project con-

trol functions on large federal government projects is essential as this position will serve as the Project focal point for coordination of the overall NSLS-II project controls activities. Knowledge and experience implementing a system consistent with DOE Order 413.3 is a strong plus. Candidate should have good interpersonal skills and excellent oral and written communication abilities. Should have extensive experience using project management software (Primavera is a strong plus) and must be able to develop and deploy new techniques and tools. Must be able to fully analyze the project schedule, apply proper earned value measurement techniques, use critical path methodology, maintain the baseline, manage changes to both the schedule and baseline and generate performance reports for various levels of internal management and external review teams. Will report to the NSLS-II Associate Project Director for Administration and Finance. Responsibilities will include the development, implementation and maintenance of all NSLS-II project control functions, including system selection and/or design, cost and schedule development, implementation and maintenance of the performance baseline and earned value management system, coordination, review and maintenance of the baseline change control process, development, implementation and maintenance of the risk management system and overall project progress reporting. Will be required to work closely with the Project business staff to ensure that cost, schedule and earned value are properly integrated. Will supervise other project controls staff. National Synchrotron Light Source-II Project.

TB3108. OFFICE SERVICES ASSISTANT (CW-2) – Requires an AAS degree or equivalent related experience. A working knowledge of personal computers and exposure to computerized business systems is also required, as is knowledge of Excel, Word and payroll processing and systems. Will input and extend time and attendance records; ensure compliance with applicable Laboratory policies; check reports for accuracy; process checks and leave and overtime adjustments; calculate retroactive pay and prepare various correspondences. Fiscal Services Division.

Bake & Craft Sale, 12/20

BNL's parent-cooperative Upton Nursery School will sponsor a fundraiser bake and craft sale on Tuesday, December 20, 11:30 a.m.-2 p.m. in Berkner Hall lobby. All are invited to support the school by buying delicious cookies and more. For more information, contact Katalin Petreczky, 821-4131 or Julika@optonline.net.

Sports, Hobbies & Pets

BASS GUITAR - Fender 5-string, jazz, active electronics, rosewood fretboard, mint cond. \$675, will take \$500. 331-4683.
BICYCLE - men's, 12 spd., like new, used twice, ask \$150, you pick up. 516-242-0406.
BICYCLE - boy's yellow and black bike for 6-yr-old and above, \$15. Lloyd, Ext. 5225.
COMIC BOOKS - orig. 1960s Marvel X-Men, issues #27-49, excel. cond., \$1,500 firm, cash or money order. Judy, Ext. 4538.
FISH TANK - 75 gal., all related equip., stand, \$150. Steve, 265-4811.
JEWELRY - Crystal & glass jewelry, one-of-a-kind, casual to elegant, starting at \$38/necklaces, \$20/bracelets. 291-2039.
NORDIC RIDER - NordicRider exerciser by NordicTrack, pics. avail. \$200. Tom, Ext. 3085 or 744-4535.
POOL TABLE SET - \$450/obo (original \$1800). See pic. of this and more at <http://tinyurl.com/9qncw>. 821-2260/816-3499.
SKI HELMET - Boeri, Axis Rage model, black, child size medium (54-55cm), excel. cond., \$45. Toni, Ext. 5257.
SKIS, POLES, MORE - Dynamic 185-cm skis w/men's size 8 bindings. Solomon boots. sz. 8, 48-cm poles. All \$65. Ext. 7459.

Tools, House & Garden

POWER SHOVEL - Toro, elec., used one season, converts: snow thrower to power broom. \$95. Chris, Ext. 2024 or 395-8810.
SNOW PLOW - fits Sears lawn tractors, 42"W x 14"H, wheel weights & chains incl. \$175. Kenneth, Ext. 8463 or 878-7655.

Community Involvement

WANTED: DONATIONS OF GENTLY USED ITEMS - Police Group drive for SC Coalition Against Domestic Violence, coats, clothing, toys, drop at Police HQ. Kathy, Ext. 2238.

Miscellaneous

CAR SEAT BASE - any Graco infant car seat snaps into this base, brand new, in box. \$30. Ext. 7286 or 581-7656.
CHRISTMAS TREE - 7.5' artificial, Noble Fir, still boxed, pd \$70, sell \$15. 928-5185.
DOLL HOUSE - 49"h x 39"w x 15"d, furn. incl., excel. cond., paid \$175, ask \$50. Donna, Ext. 2716 or 878-2425.

Roll Up Your Sleeve: Blood Drive, 12/15

To replenish Long Island's blood supply, BNL is holding a blood drive on Thursday, December 15, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Donors must be from 16 to 75 years of age, in good health, and weighing over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number.

To make an appointment, contact Susan Foster at Ext. 2888 or e-mail donateblood@bnl.gov. In your message, include your name, phone extension, and preferred time to donate.



Joseph Rubino CBN-109-01

'Learn to Be Tobacco Free' Smoking Cessation Program at BNL

The Occupational Medicine Clinic's Health Promotion Program is sponsoring an on-site smoking cessation program, which is presented by the Suffolk County Department of Health Services and demonstrates a success rate of over 60 percent.

The program is conducted under the direction of a certified nurse practitioner. In addition to learning about what happens to your body and what to expect during the first few days and weeks after quitting, prescription medication as well as nicotine replacement products will be available to medically eligible participants.

The program consists of six Monday sessions from noon to 1 p.m. on January 23 & 30, February 6 & 27, March 6 & 13, and a one-month reunion on April 13. The location for these sessions will be announced. BNLers, their spouses, and family members are welcome to register. To register, or for more information, contact Michael Thorn, Ext. 8612, or mthorn@bnl.gov.

Dance Social, 1/20

The 20-piece "Bill Wilkinson, His Band and Singers" will perform during a dance social at the North Ballroom of the Brookhaven Center on Friday, January 20, 2006, from 8 to 11 p.m. Before the performance, a one-hour beginner dance lesson in East Coast Swing will be given from 7 to 8 p.m.; and then, after the performance, there will be an extra hour of DJ music until midnight. Tickets cost \$15 each in advance, \$20 at the door; buy at the BERA Store or at the BNL Social & Cultural Club's weekly dance socials on Friday nights at the North Ballroom of the Brookhaven Center. A special 50 percent discount is given to members of Brookhaven's Association for Students And Postdocs (ASAP). Contact Rudy Alforque, Ext. 4733, or rudy@bnl.gov for more information. All visitors to the Lab age 16 and over must bring a photo ID.

Motor Vehicles & Supplies

04 FORD F350 - Lariat, 6L, DLS, 4-dr., crew-cab, fact. warr., cap, rack, 24K mi. Excel. \$34,000/neg. Richard, Ext. 5319 or 835-8309.
04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu. br, lg. bath, bunks, storage, excel., used 5 times. \$21,500/neg. 924-0139.
03 CROSSROADS CRUISER 5TH WHEEL - single slide out, 2 bdrms., one w/bunks, loaded, must sell, \$22,000/neg. 874-0404.
02 CADILLAC STS - Silver, mint condition, new tires, 1 owner, fully loaded. 57K mi. \$18,000/neg. 369-3721.
01 KAWASAKI ZX9R - green, good cond., needs carb rebuild. \$4,500/neg. Ext. 4797.
99 TOYOTA AVALON XLS - V6, excel. cond., leather, pwr. heated seats, sunroof, 77K mi., ask \$10,500. 473-8716.
99 MAZDA 2500 - pick-up, a/c, cd player, new tires. 83K mi. \$4,500. Joe, 831-4830.
99 DODGE DURANGO - a/t, 4wd, 8cyl., c/c, a/c, p/l, p/w, cd, ttd. wndws, 3rd seat, cloth int. 75K mi. \$8,500/neg. 874-0404.
96 JEEP CHEROKEE - 6-cyl HO, 4x4, a/t, p/s, p/b, a/c, am/fm, no rust or dents, runs well, 84K mi. \$3,050/neg. Ext. 2168 or 744-4948.
95 FORD BRONCO - XLT, 8-cyl., a/t, air, am/fm/cd, running brds, visor, pushbar, excel cond. 137K mi. \$3,000/neg. 379-0117.
95 MITSUBISHI ECLIPSE RS - 2-dr., a/c, cd, m/roof, new tmg, belt, tires, batt., brakes, NYS insp. 167K mi. \$1,850/neg. Alex, Ext. 4992.
95 GMC YUKON - 4x4, 1 owner, well maint., garaged, v. clean, leather, CD, all pwr., great in snow. 152K mi. \$4,500/neg. 874-9073.
90 HONDA CIVIC LX - 4-dr. a/t, good cond. 150K mi. \$700/neg. Tonko, Ext. 7346 or tonko@bnl.gov.
88 PONTIAC FIREBIRD - 8 cyl., a/t, t-tops, runs well, new tires, great stereo. \$1,595/neg. Francine, Ext. 3381 or 744-4061.
69 CHEVROLET CORVETTE - a/c, a/t, 350, T-tops, am/fm/cd, mech. excel., clean, good body, runs well. \$18,000/neg. 325-9671.

Furnishings & Appliances
BASSINET - Graco, bassinet/bedside-sleeper/changing tbl., pics. avail., \$25. 868-0786 or kanecomp@optonline.net.
BEDROOM FURNITURE - girl's white oak desk w/hutch \$250; matching head board, \$100. Pics. avail. Ext. 3085 or 744-4535.

BEDROOM SET - 7-pc. ask \$400. 375-2980.
BOOK SHELF - 8 deck, excel cond., pics avail. at <http://tinyurl.com/9qncw>. \$30. 821-2260 or 816-3499.
CABINETS AND COUNTERTOPS - kit., vanity cabinets, granite & corian counter-tops, must go, best offer. Paula, 924-0139.
CUSINART - food processor, excel. cond. \$10. Lloyd, Ext. 5225.
DINING TABLE, CHAIRS - solid wood, al-most new, pics avail. at <http://tinyurl.com/9qncw>. \$150. 821-2260/816-3499.
FLOOR LAMP - brass w/lamp shade, pics. avail. \$25. Tom, Ext. 3085 or 744-4535.
FREEZER - Kenmore upright Frostfree, 3 wire shelves, temp control, 28"x 27.5"x54". Like new, \$219. Ext. 7496 or 223-4774.
FREEZER - Westinghouse 13.3 cu. ft., 55"H x 28"W x 26.5"D. 3 shelves, gd cond. \$50 obo. Kenneth, Ext. 8463 or 878-7655.
FURNITURE - recliner, \$150; dining table w/6 chrs, \$300; bunk bed (BJ) w/twin mattresses, \$200. Ext. 3639 or 828-1620.
OIL HEATER - Delonghi, almost new, \$30. See picture of this and other items at <http://tinyurl.com/9qncw>. 821-2260/816-3499.
RICE COOKER - Zojirush 10cup, barely used, \$50. Picture of this & more at <http://tinyurl.com/9qncw>. 821-2260/816-3499.
TANNING BED - Phoenix Sun, whole body w/face, prof. bed, perf. for home. 924-0139.
WALL UNIT - 3-pc. glass and mirror, ask \$400. Albert, Ext. 3083.

Audio, Video & Computers

ANTENNA ROTOR - Used heavy duty antenna rotor. Control box and some cable included. \$35. Brian, Ext. 2799.
JUKE BOX - Rockola, holds 80 45-rpm records, recent arm & needle, ask \$600. 872-8972.
SCANNER - Visioneer 4400 USB, 42 bit, 600x1200 dpi. \$15. HP deskjet 400 printer, \$10. Albert, Ext. 5128.
TV - Mitsubishi projection TV, 42", 3 yrs. old, excel., \$600/neg. 803-0260. Ext. 3138.
TV - Sony 20". Excel. cond., \$70. See the picture of this and other items at <http://tinyurl.com/9qncw>. 821-2260/816-3499.
TV/VCR COMBO UNIT - GE, 13", \$30. Shane, Ext. 7235 or 345-0063.

EASEL - Little Tykes Easel blue plastic w/ chalkboard, excel. \$8. Lloyd, Ext. 5225.
ELECTRIC HEATERS - Honeywell b/brd 1000/1500W w/th/stat, \$40; Patton Convection, 500/1000/1500W, \$40. Ext. 3217.
MAPLE SYRUP - from my family's farm in Vermont. Peter, Ext. 7687 or 744-1112.

Free

BOOKS - 100 year old books. Hard cover. History of the world. 22 volumes, great shape, kjones@bnl.gov. Ken, Ext. 3124.
FRONT DOOR - 36" x 80" wood crossbuck door, with a 27" x 36" thermopane window. Rich, Ext. 7013.

Wanted

GUN CABINET - Looking for a lockable gun cabinet to store my rifles. James, Ext. 4026 or 872-8966.
TREADMILL - must be in excel. cond. Edward, Ext. 7786.

For Rent

CENTER MORICHES - fresh painted 1 bdrm, l/r, eik, Florida rm., xtr. stor., use w/d, off-str. pkg., fire alarm syst, walk to bay. \$900/mo. 909-3388 or 513-6688.
CORAM - studio apt, huge, sunny, grd. level w/newly renov. full kit, bath, pvt. ent., 8 mi. to BNL, util. & cable incl., 1 mo sec., no smkg./pets, refs req. \$775/mo. 928-0466.
EAST PATCHOGUE - 1-bdrm. apt., util. & cable incl., no pets/smkg., walk to town/stores, 1 pers. pref. \$800/mo. 475-9093.
FARMINGVILLE - 1 bdrm., share bath w/1 (1 bdrm. priv. bath \$500/mo. avail 1/1) share kit., elec. incl. avail now. \$410/mo. Ben, 513-8275.
MEDFORD - sunny 1 bdrm., lg. l/r, eik, w/d, d/w, new carpet. 2nd fl. pvt. ent., incl. all except elec., mins. to Lab. \$1,100/mo./neg. Barbara, Ext. 6047 or 294-3858.
MILLER PLACE - l/r, bdrm., kit., bath/show-er, includes elec., water, heat & cable, 2 yrs. old., clean, pvt. ent. & deck., 1 mo. rent and 1 mo. deposit. \$800/mo. 849-3582.
PORT JEFFERSON STATION - 2-bdrm., 2-bath apt., granite top kit., a/c, mint cond., gym, pool, tennis, cable, water incl., avail 1/7/06. \$1,850/mo. Ext. 3776 or 474-2653.
REMSENHURD - 2 bdrm., quiet neighborhood. Nice yard, garage, washer, dryer. \$1,700. Security & ref. req. 325-0567.

RIDGE - 1 bdrm., kit., l/r, bath, pvt. ent., a/c, cable, utils. inc., driveway parking, no pets/smkg. \$900/mo./neg. John, 241-7611.
RIVERHEAD - 1 bdrm, bsmt. w/lg glass door entry. l/r, kit. w/pantry, bath, fp, New pnt., crpt, hwdw. flr, fenced yd., deck, MPSPD, no smk/pets, plus util./sec. \$1,675/mo. 744-8673.
ROCKY POINT - One bdrm apt. Ground level. \$700/mo. inclusive. 744-2860.
SOUND BEACH - 1-bdrm, 1-bath, house, close to Lab & BU, ohw, w/d, new paint, pets okay. \$950/mo. John or Pete, Ext. 4028.
WESTHAMPTON - 4 rental apts on 3 acres, three 1-bdrm, one 2-bdrm, renov. kitchens., baths, just painted, new carpets, no pets/smokers. \$1,000/mo. 914-525-0937.
YAPHANK - studio apt., fully furn., 1 person, pvt. ent., 4 mi. to BNL, cable, DSL, all incl. \$800/mo. Irene, Ext. 5497.

For Sale

EASTPORT - 4 bdrm., 1 bath on 1/2 acre, stainless appls., d/r, patio, close to school, water & town. \$510,000/neg. 325-9671.
MASTIC - Manor Park, South Manor SD, 3 bdrm., 1.5 bath, eik, vault ceilg, l/r, deck, new rf. & hot water htr., all appls. a/c, 1/2 fin. bsmt. \$319,000. Fern, Ext. 5637 or 399-9210.
SHIRLEY, NY - 3-bdrm, 1.5-bath Colonial, open flr. plan, l/r w/f/p, d/r, sunroom w/vault ceilg, fin. bsmt., new flrs., 16x32 apt. igs, more, pics avail. \$363,000/neg. Ext. 8594.

On-Site Service Station

TIP OF THE MONTH: As cold weather approaches, batteries are subject to failure. An original battery in a 2001 or older vehicle may need to be changed. You may have your battery tested at the on-site station. Should you need a new one, the station carries a complete line of Delco Professional series batteries. Ext. 4034.

Services

BNLers list a wide range of services available, from home cleaning, to cake-baking, carpet-cleaning, child-care, computer servicing, home improvement, pet-sitting, tax-preparing, tutoring, word-processing and much more. To see a full list of services from on site go to <http://intranet.bnl.gov/ads/displayAdsAll.asp>. From off site, e-mail gvbennett@bnl.gov to request an e-mailed copy, or call 344-2345 for a paper copy to be mailed to your building or your home.