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RHIC/AGS Users' Meeting Celebrates Cautious Optimism

Michael Herbert D4200607

On each side of BNL Director Sam Aronson (center) are this year's thesis winners, Hiromi Okada (left) and Corey Reed; honorable mention winners are: (from left) Nathan Grau, Taku Gunji, and Sevil Salur.

The 2007 Relativistic Heavy Ion Collider (RHIC) and Alternating Gradient Synchrotron (AGS) Users' Meeting celebrated the scientific achievements made in a financially challenging year and painted an optimistic, but cautious, outlook for the future.

Held from June 18-22, the five-day meeting featured topical science workshops Monday through Wednesday, and plenary sessions on Thursday and Friday. Thursday's plenary session audience was welcomed by RHIC & AGS Users' Executive Committee (UEC) 2006-07 Chair John Hill of Iowa State University, followed by presentations on the latest operations and detector results from heavy-ion and polarization collisions.

Next, in his main address, Interim Associate Laboratory Director for Nuclear & Particle Physics **Peter Bond** stressed that in regard to recent events and proposals for future directions in the nuclear physics program, "user input has been and will be key." He then reviewed the budget troubles that have shortened RHIC's running time in recent years, commenting, "FY08 is starting out promising, just as FY07 started out promising, and as FY06 started out promising. Things look pretty good so far from the House Appropriations Committee, but we learned our lesson that we need to stay tuned."

Bond then gave updates on runs six and seven, noting a significant increase in both proton polarization and heavy-ion luminosity. Future plans for the facility include: the Electron Beam Ion Source (EBIS), which has achieved Critical Decision-3 (CD-3) and is expected to begin operations in 2010; RHIC II, which is expected to receive external validation of its science case in early FY08 — the first step toward CD-0; and evolving RHIC into a laboratory for quantum chromodynamics (QCD, the theory that describes the interactions of subatomic particles), allowing for the study of many types of nuclear collisions and making RHIC a world leader in the study of QCD.

RHIC's evolution must be viewed in the context of the recent long-range plan produced by the Nuclear Science Advisory Committee, which provides research program advice to DOE and the National Science Foundation, Bond said. The RHIC II luminosity upgrade appeared on the committee's priority list and an electron ion collider (such as eRHIC) received a recommendation for R&D. The result could delay eRHIC's construction start, Bond said, until funding agencies, the nuclear physics community, and the public can be convinced of its great scientific value — a job he stated is in the hands of the RHIC community.

"We have to do a better job of letting people know what it's all about," Bond said, concluding that RHIC's evolution to a QCD Lab has an "extremely bright but challenging future."

Bond then introduced Lab Director **Sam Aronson**, who announced the winners of this year's RHIC & AGS Thesis Award Competition — held each year to recognize the most outstanding theses related to research conducted at RHIC, the AGS, the NASA Space Radiation Laboratory, the Tandem, or the Accelerator Test Facility.

The first of this year's winners was Kyoto University's Hiromi Okada, who took a precise measurement of the single spin asymmetry in proton-proton elastic scattering using a polarized hydrogen gas target and polarized proton beam at RHIC. Her thesis was motivated by the need for better beam polarization measurements at RHIC and resulted in a 5 percent calibration of the polarized proton beam, which is very important for the RHIC spin program.

The second award went to Massachusetts Institute of Technology's Corey Reed, whose thesis focuses on the analysis of charged particle spectra and collisions of deuterons with gold using the PHOBOS detector at RHIC. His physics questions go to the core of RHIC physics, with results that support some of the basic assumptions people have used in comparing gold-gold collisions to simpler systems.

Okada and Reed both received a certificate and a $3,000 cash award from Brookhaven Science Associates. In addition, because of the extremely strong competition this year, the UEC recognized three runners up with honorable mentions: Nathan Grau, Iowa State University; Taku Gunji, University of Tokyo; and Sevil Salur, Yale University.

After comparing the topics of the ten thesis awards given since 2003, Aronson said he is impressed with the breadth of the BNL physics programs that are training the next generation of researchers.

Dennis Kovar, DOE's Associate Director of Science for Nuclear Physics, then took the stage, expressing cautious optimism on the budget outlook and the long-range plan for nuclear science. Although FY06 and FY07 were disappointing financially, funding appears to be back on track toward doubling the Office of Science's budget by 2016, as is laid out in the American Competitiveness Initiative, Kovar said. The FY08 nuclear physics request — garnering support from the House of Representatives — would provide a 3.8 percent increase over the FY07 request, and an 11 percent increase over FY07 appropriations. Kovar felt that if this trajectory continued, it would ensure a leading nuclear physics program for the U.S. over the next decade, and that this situation should be communicated to U.S. political leaders to add strength to the case for adequate support.

Another of Kovar's themes was the importance of continuing accelerator research and development (R&D), including basic research within each facility, R&D directed toward a specific project (such as the Electron Ion Collider, for which BNL will compete), and the education of young and upcoming accelerator

(continued on page 2)

DOE Advances NSLS-II Project

Facility To Be Sited at Brookhaven Lab

DOE has granted "Critical Decision 1" (CD-1) status to the National Synchrotron Light Source-II (NSLS-II). This decision, which assures the facility's location at DOE's BNL, is a major step forward in the long process to make this state-of-the-art research complex a reality. The world leading capabilities of NSLS-II will enable exploration of the scientific challenges faced in developing new materials with advanced properties. The resulting scientific advances will support technological and economic development in multiple sectors of the economy, from next-generation energy technologies to new drugs for fighting disease.

"BNL has a distinguished history of constructing and operating advanced scientific user facilities that annually serve thousands of users and produce transformational science results. NSLS-II continues that visionary tradition," said Patricia Dehmer, Director of DOE's Office of Basic Energy Sciences.

"This is wonderful news for New York State, for the U.S., and for researchers from around the world," said BNL Director Sam Aronson. "NSLS-II will be a stunning user facility, incorporating the most advanced technology to produce x-ray light 10,000 times brighter than the existing NSLS. It will also be a natural complement to our Center for Functional Nanomaterials [CFN], and will play a key role in advancing our nanoscience, energy, biology, and materials research."

Science Discoveries Ahead

NSLS-II will be a state-of-the-art medium energy storage ring designed to deliver world-leading brightness and flux. It will provide advanced tools for discovery-class science in condensed matter and materials physics, chemistry, and biology — science that ultimately will enhance national and energy security and help drive abundant, safe, and clean energy technologies. It will be the newest member of a suite of advanced light sources and neutron facilities operated by DOE's Office of Basic Energy Sciences that are used by more than 9,000 researchers annually from all disciplines.

NSLS-II's leading-edge ability to analyze materials will help guide the development of new materials at the CFN that are expected to lead to transformational breakthroughs in the effective use of renewable energy through improved energy conversion, transmission, and storage. The CFN is one of five nanoscale science research centers (NSRCs) that the Office of Basic Energy Sciences is building and operating at national laboratories around the country.

Steve Dierker, Associate Lab Director for Light Sources and Project Director for NSLS-II, said the planned facility will provide new, state-of-the-art tools that will enable the study of material properties and functions, particularly at the nanoscale, at a level of detail and precision never before possible.

Future Jobs

NSLS-II is a major project that will employ hundreds of workers during the peak of construction. The organization includes a project support division that has established the management systems and infrastructure required to execute this complex undertaking, and three technical divisions — accelerator systems, experimental facilities, and conventional facilities — for each of the major areas of design and construction. Several advisory committees meet twice per year to provide broad perspective and expert advice, including an NSLS-II project advisory committee and three technical advisory committees, one for each of the three technical divisions. Each division is staffed with a range of specialty groups. While many of these positions are expected to be filled by existing Lab personnel, replacing those positions as well as filling others in the project with new employees will lead to a net increase of about 150-200 jobs at BNL during the construction project. When the new facility reaches full operations, it is expected to employ a staff about three times as large as that required to operate the present NSLS and will thus add several hundred new positions to the Lab.

NSLS-II will replace the existing NSLS, which began operations in 1982. The NSLS provides essential scientific tools for 2,500 scientists each year from more than 400 academic, industrial and government institutions. Their myriad research programs produce about 800 publications per year, with more than 125 appearing in 'premier' journals, such as *Science* and *Nature*. The much higher brightness and flux of NSLS-II compared to NSLS will allow researchers to tackle the "grand challenge" scientific problems of the future.

CD-1 is the second 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, final design, construction, and then operations. A CD-1 is required prior to the start of project engineering and design efforts. A CD-1 does not guarantee eventual construction, however, and only represents the second step in project definition. The DOE Order governing the construction process can be accessed at www.directives.doe.gov/pdfs/doe/doetext/neword/413/o4133a.pdf. — Kay Cordtz

For more details,see http://www.bnl.gov/bnlweb/pubaf/pr/newsroom.asp.

Calendar
of Laboratory Events

- *The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.*
- *Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.*

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes
Classes at all levels. See www.bnl.gov/esol/schedule. html for schedule. Jen Lynch, Ext. 4894.

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

Mondays: Jiu Jitsu Club
6-7:30 p.m. B'haven Center. All levels, ages 6 & up. $10/class. Ext. 4556.

Mondays & Thursdays: Kickboxing
$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Tue. & Thu: Ving Tsun Kung Fu
Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, bradley@bnl.gov.

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

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

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/.

Tue., Wed. & Thu: 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. Playground in the apt. area. Parents meet while children play.

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.

Thursdays: Reiki Healing Class
Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholc, Ext. 2027.

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

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

At BNL, San José State University, Future Scientists Train in Nuclear & Radiochemistry

Joseph Rubino D0600707

Participants of this year's nuclear and radiochemistry summer school — students, guest speakers, and instructors, including Program Site Director Richard Ferrieri (front, third from left)

From June 18 to July 27, BNL is hosting 12 undergraduate students in an intensive, six-week program designed to promote interest in nuclear science and help train the next generation of scientists for careers in nuclear research, the nuclear power industry, and nuclear medicine. The students are attending a Summer School in Nuclear & Radiochemistry, held at Brookhaven Lab and also at San José State University, and funded by DOE's programs in Heavy Element Chemistry, Environmental Remediation, and Nuclear Physics, with sponsorship from the American Chemical Society's (ACS) Division of Nuclear Chemistry and Technology.

Each year, 12 undergraduate students are selected for each site in consultation with members of the ACS Division of Nuclear Chemistry & Technology. Students attend lectures covering fundamental principles of nuclear chemistry and radiochemistry, and participate in hands-on laboratory work to test many of these basic principles. Participants receive six coursework credits toward their undergraduate degrees. Program funding covers travel and housing expenses, plus a $3,500 stipend for each student.

The program at BNL is somewhat unconventional in that it relies on a "teamed" approach. Each week, a different lecturer is brought in with expertise in particular subject areas including radioactive decay kinetics, nuclear counting instrumentation, nuclear structure models, reaction probability, environmental radiochemistry, the nuclear fuel cycle, and actinide chemistry.

"This is a unique opportunity for students to interact with some of the brightest minds in nuclear science," said Program Site Director Richard Ferrieri of BNL's Medical Department.

The curriculum is further enhanced with several one-day symposia and field trips to nuclear chemistry-related research and applied science laboratories.

"This enrichment affords an opportunity for students to see the broader impacts of nuclear science in today's world, and to become acquainted with some of the future challenges in the field," Ferrieri said.

The summer school program has been running at BNL for 18 years and at San José State University for 24 years.

Integrated Safety Management Awareness

Integrated Safety Management (ISM) is the framework used to help guide all work at BNL, and is a key requirement of BNL's contract with DOE. ISM's five core functions call for the Lab, as well as each employee, to define the scope of work; identify and analyze all hazards; develop and implement controls for those hazards; work within these controls; and provide feedback to improve safety in future work.

BNL will undergo a crucial ISM review this August. The auditors will likely interview a wide cross-section of BNL employees. Below are the second in a series of general ISM questions for managers, supervisors, and staff. The text below the questions gives examples of processes that may be appropriate as references for understanding the Lab's ISM program.

Questions for Managers: Does the work approval and authorization process define appropriate mechanisms to address significant changes in work scope or the method of work completion once initial approval is obtained? Under what conditions are you authorized to stop work?

Questions for Staff: During the performance of work, what happens if additional /new hazards are identified or the work scope changes? Under what conditions are you authorized to stop work?

Response: Managers and staff are trained on Stop Work and/or Radiological Stop Work procedures. Workers place the work area/work site in a safe condition and inform supervisors/managers of changes in work conditions or of new hazards. Staff, supervisors and/or managers consult with ES&H coordinators, facility support representatives, work control coordinators/managers, and/or subject matter experts to develop and implement hazard controls and amend work authorization documents. Before restarting work, pre-job briefings are conducted to inform personnel of new hazards, controls, and/or training requirements.

- Stop Work — If imminent danger exists that could result in injury, death, or significant risk of environmental or equipment damage, and when immediate action is required.
- Radiological Stop Work — Radiological work that does not meet Laboratory requirements or creates a threat of unplanned radiological exposures or releases.

For more information, contact Steve Coleman, at Ext. 8705 or coleman@bnl.gov.

RHIC/AGS Users' Meeting Celebrates Cautious Optimism

(cont'd)

physicists. To this end, Kovar said, the Office of Nuclear Physics will introduce a program in 2009 to train post-docs and graduate students for work on existing and set-up accelerator projects.

Kovar concluded by commenting on the promising aspect of both sides of Congress's appearing to appreciate the importance of science to the U.S., including nuclear physics.

Michael Herbert D4190607

Gathered are speakers, organizers, and administrators of the 2007 RHIC/AGS Annual Users' Meeting.

After reviewing RHIC's upcoming budget and plans for future projects and upgrades, **Gulshan Rai**, DOE's Program Manager for Heavy Ion Nuclear Physics, expressed enthusiasm about the RHIC program. "After listening to many excellent talks, it's apparent that the science that's coming out of here is phenomenal," he said, adding that "the investments that this program is making for the next five-to-six years will deliver equally compelling and important science."

Rai also urged scientists to get the public interested in their work. In addition, he suggested that users should invite more theorists to meetings, commenting on the value of theoretical framework for the larger picture.

As Program Director at the Nuclear Physics Division of the

National Science Foundation (NSF), **Ani Aprahamian** advised scientists to spread news of their work by sending abstracts to be added to NSF Research Highlights, either online or internally. She gave NSF deadlines for proposals for new scientific initiatives, including deadlines that were past for this year, but ongoing annually. In the NSF FY08 budget request, Aprahamian explained that the physics division would receive an 8.3 percent increase, which would benefit nuclear physics as well. She also stressed that a top priority of interest for NSF is the proposed Deep Underground Science & Engineering Laboratory.

During the Friday session, presentations were given about news from non-RHIC-related experiments, the eRHIC science case, low-energy physics with RHIC, STAR and PHENIX upgrade plans, and RHIC's role and position in the Nuclear Science Advisory Committee's Long-Range Plan. Aronson then took the stage again to provide a glimpse of the future for nuclear and particle physics at BNL, and for the Laboratory as a whole.

Aronson said he expects nuclear and particle physics, long the dominant funding source for BNL, to retain that role for several more years, but he does see change on the horizon.

"I do think the balance will change over the next five to ten years," Aronson said. "With the Center for Functional Nanomaterials and the National Synchrotron Light Source II, I see a lot of growth potential in basic energy sciences, and, eventually, something likely approaching parity here between basic energy sciences and nuclear and particle physics."

Aronson sees this as a plus for BNL. "Getting the bulk of our funding through two programs will certainly help provide stability and encourage growth," he said. "We'll also be able to service a large number of users in a broad spectrum of science."

In terms of RHIC's future, Aronson said that evolving the facility into a QCD lab is a strategic thrust at the institutional level. "Those thrusts are few — we expect RHIC will remain a stable component of our big picture," he said.

Aronson then announced the winning poster of the annual Poster Session Award, which had been voted first place by all three judges, he said. Kieran Boyle, Stony Brook University, was presented a $200 gift certificate for his poster titled: "Double Helicity Pion Asymmetry in Polarized pp Collisions at PHENIX." Boyle is a RHIC user with the PHENIX experiment.

John Hill's closing remarks included warm appreciation of all the many people, speakers, organizers, administrators, and support staff, who had cooperated to make the meeting such a success. — Kendra Snyder

René Bellwied, Wayne State University, current Users' Executive Committee Chair

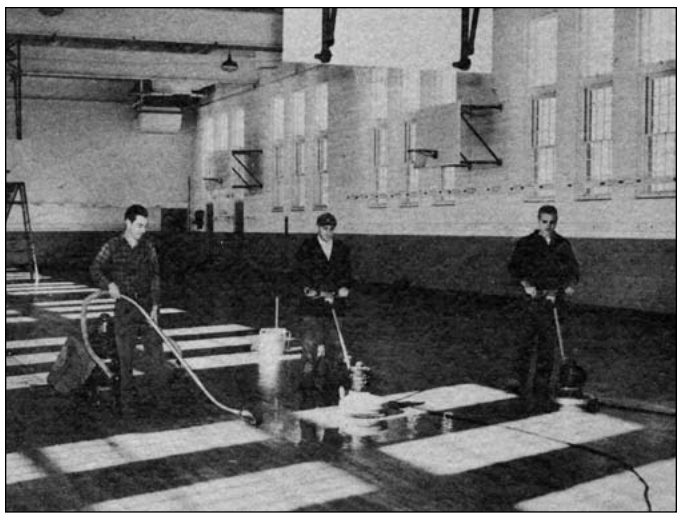
Addition to CIGNA Radiology Network

As of July 15, John T. Mather Hospital and the Fortunato Breast Health Center have joined CIGNA's (AIM) radiology network. They are now an in-network provider for radiology services under the CIGNA OAP PPO medical program. If you use their services, make sure that they indicate to you that they participate in the plan and that you will be billed for in-network services. If you have used the facilities previously, make sure that they update your records accordingly and only request the in-network co-payment, if any. Note that only radiology services in the newly signed contract will be in-network. When you schedule your appointment, ask if the particular service you are getting is in-network.

CIGNA: Tuesdays, Bldg. 400

A CIGNA Healthcare representative will be on site in Human Resources, Bldg. 400, on Tuesdays, to assist with any claims issues that you have been unable to resolve yourself. Janice Petgrave will be available for 30-minute meetings, by appointment only, 10 a.m.-1 p.m. Bring all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

Then & Now: The Gym



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In this photo, which appeared in the Lab newspaper, Isotopics, Jan.-Feb. 1948, janitors John Hicks, Paul Agnese, and Thomas Bonino of the then Plant Maintenance Division are scrubbing residue wax from the gymnasium floor to prepare it for the basketball season.

Now, surrounded by the grass and trees of the BNL site, most of the Lab community feels fortunate to work in such an attractive setting. But "then," in 1946 and 1947, when BNL was in its infancy, leftover Camp Upton scenery was much less appealing. Lab historian Robert Crease in *Making Physics*, his book on the early history of BNL, describes how "barbed wire still ringed a weedy stockade. Canvas tents and deserted cement-block buildings lined the roads, and the barracks were gray, unheated, and shabbily maintained."

However, there were some compensations. In anticipation of casualties from World War II, Camp Upton's most recent purpose before being transferred to BNL had been to become a convalescent hospital. A large gym and excellent swimming pool were bequeathed to the new Lab.

Again, according to Crease, "Against the wishes of the Atomic Energy Agency, Lab Director Philip Morse decided to keep most of the recreational facilities, including the theater, gymnasium, swimming pool, and bowling alleys.

So, it is no surprise to find in the Jan.-Feb., 1948, issue of Isotopics, the fledgling Lab's earliest newspaper, a photo of the gym's being prepared for the basketball season. Sport of all kinds has always been an important part of Lab life, especially in the early days. Through the Brookhaven Employees Recreation Association (BERA) groups, this tradition has endured even though many more recreational options are now available off site. Whenever the pool is closed for maintenance or repair, swimmers wait eagerly for the reopening day — and, as was evident from anxious (not to say impatient) inquiries during the recent closing of the gym while a new floor was installed, many BNLers enjoy using this facility to improve their health and spirits.

The most up-to-date "now" news is that, after much work, the gym is in use again. To achieve this, subcontractor Conroy Contracting prepared and coordinated the floor for installation, and J.J. Curran of Albany installed the state-of-the-art "SportCourt." The Plant Engineering Division's (PE) Hamid Talai supervised the engineering and installation, and Dennis Robertson, also of PE, was the project's inspector.

Come to the Gym Grand Reopening Party, 7/25 at noon

Recreation and Quality of Life Supervisor Christine Carter has organized a grand reopening party at the gym at noon on Wednesday, July 25. All are invited to come and stretch with instructor Jennifer Gatz and sample refreshments.

Joseph Rubino D0590707

Enjoying the new state-of-the-art "SportCourt" floor of the gym is a group of BNL summer camp participants, with BERA Summer Camp Counselor Frank Flocco. This floor, unlike its predecessor in 1947, does not need waxing. It is kept damp-mopped and shining by Staff Services Division Custodian Shirley Ayers.

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, July 25, to answer employees' questions about financial matters, such as the importance of protecting assets against inflation, the right allocation mix, and TIAA-CREF retirement income flexibility. For an appointment, call Suzanne Leone, (866) 842-2053, ext. 4601.

BNL On Summer Sundays Tour Features CFN, 7/22

Joseph Rubino D2790307

BNL's Summer Sunday open days for the public are well under way. Each week, through August 19, a different tour is featured, including, this Sunday, July 22, a visit to its newest facility, the Center for Functional Nanomaterials. Both adults and children can also enjoy a variety of entertaining activities, including the Whiz Bang Science Show and the Brain Teasers exhibit each week. Celebrate the Lab's sixtieth anniversary, and collect commemorative souvenirs while supplies last.

Summer Sundays are offered free, and no reservations are needed. Visitors may arrive any time from 10 a.m. to 3 p.m. The Whiz Bang Science Show will be staged at 10:30 a.m., noon, 1:30 p.m. and 3 p.m. each Sunday. All visitors age 16 and over must bring a photo ID.

July 22 - Explore Ultra-small Science Frontier

This Sunday, visit the Lab's Center for Functional Nanomaterials (CFN), (see photo above) which just opened this May. Here, studies of the ultra-small may lead to ultra-big discoveries. About 350 scientists from BNL, the northeastern U.S., and other parts of the world will use the center's unique array of high-tech tools to explore and develop nanoscale materials, on the order of billionths of a meter, to help the U.S. achieve energy independence. Visitors will see state-of-the-art labs where researchers perform cutting-edge research.

Future Summer Sundays

July 29..... Play With Science at the Learning Center
August 5 ..... Climb Aboard for Safe Family Fun
August 12 ... Today's Forecast Calls for a Balloon Launch
August 19 ... A Perfect Liquid Exists at RHIC

Joseph Rubino D0720707

Summer Student Talent Show, 7/24

The Office of Educational Programs invites the Lab community to attend their annual Summer Student Talent Show on Tuesday, July 24, at 5:30 p.m. in Berkner Hall. For more information, contact Tabatha Wyche, Ext. 4503.

Hospitality Barbecue, 7/21

The Hospitality Committee invites all to celebrate summer, meet new friends, and dance to DJ music at their Annual Barbecue on Saturday, July 21, at 5 p.m. at the apartment area gazebo. The committee will provide the hot charcoal grill, drinks and desserts. Barbecue-goers should bring something to grill and a side dish to share. For more information or to volunteer to help, contact Sarah at sjfadem@gmail.com.

Kerry Kearney, Jacks O'Diamonds Blues, 8/10

As part of the Dog Days Blues Festival, on Friday, August 10, the Kerry Kearney Band, 3 AM (3 American Men), and the Jacks O'Diamonds bands will perform at 6 p.m. in the Brookhaven Center. All are welcome. Tickets at $10 each are available at the BERA Store. Visitors to the Lab of 16 and over must carry a photo ID.

BERA Hispanic Heritage Club Salsa Picnic, 7/29

All are welcome to join the BERA Hispanic Heritage Club's summer social on Sunday, July 29, noon-6 p.m., at the BNL Gazebo. Bring chairs, umbrella, picnic, beverages, and a dish to share. Two small grills will be available for barbecues. Music will be by DJ Alex. All are invited to bring instruments to play, and bikes if you want to ride. Other activities will include volleyball and horseshoe games, musical chairs, a dance contest, and face painting, 2-4 p.m. For more information, contact Yvette Malavet-Blum, malavet@bnl.gov or Ext. 5591; or Anna Petway, petway@bnl.gov or Ext. 4776.

Upton Nursery School — Info Meetings, 7/25, 8/2

Upton Nursery School welcomes the children and grandchildren of BNL employees. All who are interested in registering their three-to-four year old child for two or three mornings a week at the school during 2007-08 should contact the Upton Nursery School, Recreation Office, Bldg. 400A. Children must be three years old by September and potty trained.

Two Parent Meetings will be held in Berkner Hall, Room C, to explain details: on Wednesday, July 25 at noon; and Thursday, August 2, at 5 p.m. For more information, contact Katalin Petreczky, 821-4131, julika@optonline.net, or see www.bnl.gov/nurseryschool.

BWIS Summer Reception, 8/1

Brookhaven Women in Science (BWIS) invites the BNL community — employees, facility users, students, retirees, and guests – to a summer reception on Wednesday, August 1, from 5:30 to 7:30 p.m. in the Research Support Building (Bldg. 400) lobby. Refreshments will be served. Information about BWIS programs, including its scholarships, will be available. For more information about the reception, or if you are interested in joining BWIS or volunteering your time to help with their agenda, contact Helen Todosow, Ext. 7629, or Kathy Walker, Ext. 7105.

Calendar

— THIS WEEKEND —

Friday, 7/20

New Focus Optical Products
11 a.m.-2 p.m. Berkner Hall lobby. New Focus will discuss products such as integrated optical components, transceiver modules & receivers, and sensor applications. For more information, call Michael Holmes, 408 431-0279.

***Tour of New Supercomputer**
Noon. Berkner Hall lobby. Meet the group to go to see New York Blue, the new supercomputer at BNL. See notice on page 4.

Saturday, 7/21

***Hospitality Barbecue**
5 p.m. apartment area gazebo. All are welcome. See notice, left.

— WEEK OF 7/23 —

Monday, 7/23

BJ's Wholesale Club at BNL
11 a.m.-2 p.m. BJ reps will offer membership normally at $45 for 12 months for only $30 for 13 months, for 2 cards. Savings can be added onto existing memberships. Giveaways & prizes. Chuck Adams, 790-7242.

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.

Tuesday, 7/24

Verizon Wireless Demo
11:30 a.m.-1:30 p.m. Berkner Hall lobby. Reps from Verizon Wireless will discuss the latest services. Lab employees will receive a 15 percent discount on purchases. Contact Mavi Baig, 917-881-2748 or Mavi.Baig@VerizonWireless.com .

***Summer Student Talent Show**
5:30 p.m. Berkner Hall. If it's half as good as student talent shows of last year and the year before, it is not to be missed!

Wednesday, 7/25

BSA Noon Recital — Pianofest
Noon. Berkner Hall. Artists from the "Pianofest" intensive workshop in piano performance will be introduced by Pianofest Director Paul Shenly. Sponsored by BSA, the recital is free and open to the public. Visitors to the Lab of 16 and over must carry a photo ID.

Thursday, 7/26

Defensive Driving Course, Part II
6-9:15 p.m. Second half of course, $30. For more information, call Ed Sierra, 821-1013, leave a message.

Sunday, 7/29

***Hispanic Heritage Club Picnic**
Noon-6 p.m. BNL gazebo. All are welcome. See notice, left.

— WEEK OF 7/30 —

Wednesday, 8/1

***BWIS Summer Reception**
5:30 p.m. Research Support Bldg., 400 lobby. Refreshments.

Arrivals & Departures

— Arrivals —

Fatma Zeynep Altinbas ..... C-AD
Andrew S. Gordon ..... Physics
Chi-Cheng Lee..... CMP&MS
Suk Kyoung Lee .....Chemisty
Salvatore A. Polizzo..... C-AD
Reid M. Smith ..... C-AD

— Departures —

Cyrille Marquet ..... Physics
William Licciardi ..... Physics

Correction: *The Bulletin regrets that, in last week's Arrivals & Departures notice, under "Departures," the name of C-AD's Carl S. Andersen was inadvertently misspelled.*

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/.

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

SR. ADMINISTRATIVE SERVICES ASSISTANT (A-3, term appointment) – Requires formal secretarial training plus six years of relevant experience. A high level of competence performing complex administrative secretarial duties and proficiency in Word, Excel, Outlook and PS Travel is necessary. Will assist the Employment Office with arranging complex appointments and travel arrangements, extensive involvement in PS HR system, PS queries, and Excel spreadsheets. Human Resources & Occupational Medicine Division. Send resume to dianah@bnl.gov, referring to Position No. DH 4589.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

PROJECT ENGINEER I (P-9)/PROJECT MANAGER – Requires a bachelor's degree in engineering and 10 years' experience in project management, building design and facility construction. Candidate should have demonstrated project experience in the development and execution of construction projects from conceptual through detailed design, and construction. Experience meeting with clients, writing proposals and defining scope of work is required. Must be capable of developing project schedules and cost estimates. PE license and/or master's degree highly desirable. Familiarity with New York State Building Code and LEED a plus. Plant Engineering Division. Send resume to sobrito@bnl.gov, referring to Position No. NS 4449.

ES&H COORDINATOR/PROJECT ENGINEER I (P-9, reposting) - Requires a BS or MS degree in a science discipline and a minimum of 10 years' relevant experience. Comprehensive knowledge, skills and experience within the discipline of ES&H is required. Knowledge of BNL and DOE safety standards is very desirable. Professional certification within an ESH discipline is desirable (CIH, CSP, CHP, CHMM). Excellent communication (oral and written) and interpersonal skills are required to work with a diverse internal and external workforce and to achieve compliance within all aspects of ES&H. Experience with accelerator-related hazards and associated controls is desirable. The NSLS ESH Coordinator will be the principle liaison between the department, BNL, and DOE ESH&Q community. Responsibilities include maintaining department ES&H documentation, direct incident investigations, directing the department response to external audits, leading department internal ESH&Q committees, participating in ESH reviews, coordinating self-assessments, and supporting the routine ESH activities associated with operation of the accelerator and the NSLS experiment program. Reports to the NSLS ESH&Q Manager. National Synchrotron Light Source. Send résumé to sobrito@bnl.gov referring to Position No. NS 3267.

PROJECT PLANNING SPECIALIST (A-6) – Requires a bachelor's degree in a related discipline, or equivalent experience/combined education and five years of professional cost/scheduling experience. Familiarity with Primavera or Microsoft Project software and working knowledge of cost estimating/budgeting and control is required. Expertise in the use of Microsoft Office products such as Excel, Word, Access, and PowerPoint; good interpersonal, communication and time management skills and the ability to be a team player and work with minimal supervision is also required. Will work with Plant Engineering Project Coordination Group to develop cost and schedule performance baselines for major construction projects. Plant Engineering Division. Send resume to morales@bnl.gov, referring to Position No. RM 4732.

STAFF SPECIALIST/TECHNOLOGY SUPPORT (A-6) - Requires a bachelor's degree in computer sciences, business or equivalent with a minimum of five years' direct office automation/technical support experience. Experience with writing queries to enterprise level databases is required and experience with PeopleSoft is highly desirable. Proficiency in all of the Microsoft Office products (MS Word, Excel, Outlook, Access and FrontPage) is required with an emphasis on automation through the use of Visual Basic for Applications. Familiarity with configuration control methods and procedures is required. Will be responsible for working with the managers and staff of the Division to identify data required for daily, monthly, semi-annual and annual reports. Will also be responsible for developing and maintaining the Division standard documentation configuration control through the use of Microsoft Office Products; this control will include the creation and implementation of interactive forms and templates to automate routine office transactions, maintenance of websites and database interfaces. Procurement & Property Management Division. Send resume to morales@bnl.gov, referring to Position No. RM 4377.

SR. HUMAN RESOURCES REPRESENTATIVE (A-6, reposting) - Requires a bachelor's degree or equivalent capabilities and 4 years' experience in human resources services. Knowledge of human resources functions and familiarity with human resources policy and procedures is required. Should possess strong skills in communication, both oral and written, relationship building, influencing, negotiating, analysis, coaching, listening and presentation. Project management training and experience utilizing recruiting resources (print and internet media, job fairs, technical meetings, etc.) is highly desirable. Successful candidate will be a Human Resources Division staff member assigned to the National Synchrotron Light Source II Project. Responsibilities will include the administration, interpretation and assistance in the development of NSLS-II personnel policies, practices and services, including workforce planning, recruiting, hiring, subcontracting, training and the retention of a diverse and highly qualified project team, NSLS-II performance and salary review processes and on-boarding of staff. Human Resources & Occupational Medicine Division. Send resume to petespo@bnl.gov, referring to Position No. PE 4281.

LABORATORY SPECIALIST (A-2) (Term Position) Requires an AAS degree and a minimum two years' related work experience or equivalent. Must be able to operate independently. A science background, knowledge of chemistry or familiarity with chemical naming and ability to work with customers is desired. Responsibilities involve a key role in the Chemical Management /Material Safety Data Sheet Systems (CMS/MSDS) inventorying of chemical containers and maintaining records. Will maintaining MSDS records. Responsible to maintain the Material Safety Data Sheet (MSDS) database, input new MDSD, and respond to inquiries for MSDSs. Duties include database entry in customized Microsoft Access forms accessing information from existing databases, bar-codes & chemical containers and the scanning of documents. Work will involve entry into shipping and chemical handling use areas. Additional computer programming knowledge and familiarity with creating PDF documents a plus. Safety & Health Services Division. Send resume to tbuck@bnl.gov, referring to Position No. TB 4626.

TECHNICAL SPECIALIST (ELECTRICAL) (T-2) – Requires an AAS degree in electrical engineering technology or equivalent experience, plus at least four years of relevant work experience including maintenance and troubleshooting of complex electronic, electrical, and mechanical systems. Experience with power supplies and analog/digital electronics, programmable logic controllers (PLC's) and basic computer knowledge is desirable. Must be familiar with standard test and measurement equipment, such as function generators, oscilloscopes, multimeters, and spectrum analyzers. Basic machine shop skills are a plus. Must be able to repair, modify, and build electrical/electronic systems from schematic drawings and assemble chassis using basic mechanical fabrication techniques. Must be self-motivated, able to work with minimum supervision, and have good communication skills. This is a rotating shift position. Collider-Accelerator Department. Send resume to tbuck@bnl.gov, referring to Position No. TB 4416.

PRINCIPAL TECHNICIAN (ELECTRICAL) (TW-4) – Requires an AAS degree in electrical engineering technology or equivalent experience, plus at least two years of relevant work experience including maintenance and troubleshooting of complex electronic, electrical, and mechanical systems. Experience with power supplies and analog/digital electronics, programmable logic controllers (PLC's) and basic computer knowledge is desirable. Must be familiar with standard test and measurement equipment, such as function generators, oscilloscopes, multimeters, and spectrum analyzers. Basic machine shop skills are a plus. Must be able to repair, modify, and build electrical/electronic systems from schematic drawings and assemble chassis using basic mechanical fabrication techniques. Must be self-motivated, able to work with minimum supervision, and have good communication skills. This is a rotating shift position. Collider-Accelerator Department. Send resume to tbuck@bnl.gov, referring to Position No. TB 4415.

PRINCIPAL TECHNICIAN/ENVIRONMENTAL SAMPLING (TW-4, reposting) - Requires an AAS degree in a scientific discipline plus at least two-to-four years' experience in the collection of environmental field samples. Must be familiar with sample collection techniques for all environmental media including air, surface water, groundwater, soil, flora and fauna samples. Must have strong communication skills (oral and written), computer skills, and mechanical aptitude and strong organizational skills. Knowledge of EPA sampling methods and quality assurance procedures as applied to the collection, transport and preliminary processing of environmental samples is desired, as is knowledge and experience in the operation of GeoProbe equipment, automated sample collection systems, field investigation techniques and field test methods. Environmental & Waste Management Services Division. Send résumé to tbuck@bnl.gov, referring to Position No. TB 4625.

Motor Vehicles & Supplies

06 FORD MUSTANG GT - red/black lthr, a/t, premium pkg., 18" polished wheels, int. upgrade, showroom cond. 5,900 mi. $23,750. Artie, Ext. 5937 or 258-5809.

03 FORD EXPLORER - a/c, c/c, multi cd, leather, moon roof, full warranty 75k/09. 34K mi. $13,000. Dimitri, Ext. 5096.

03 VOLKSWAGEN JETTA WAGON - Silver, blk int. 4cyl. 5spd man. side airbags, Monsoon sound. c/c, p/s, p/b, p/w, a/c, CD. Firm. 66K mi. $10,000. John, Ext. 5828.

02 TOYOTA CELICA - GT, carbon blue, excel. cond., must sell. 84K mi. $9,000. Ext. 4924.

00 FORD TAURUS WAGON - reliable, , 3.0L V6, p/w, p/l, p/b, a/c, c/c, 4 whl disc, hwy. mi., excel. cond., pictures avai. 180K mi. $3,500. Nelson, Ext. 5354.

00 TOYOTA ECHO - 2dr, 5spd, a/c, cd, LoJack. 120K mi. $3,000. Jay, Ext. 4994.

96 JEEP GRAND CHEROKEE - Lots of power! 5.8L V8 4x4, Wht w/slate int, tow & skid pkg, new tires/brakes, a/c, p/w, a/t, 10-CD. 158K mi. $4,195/neg. 516-446-8373.

95 SUZUKI INTRUDER - Grest starter bike good con New tires . 11K mi. $1,500/neg. Richard, Ext. 5319 or 631 835 -8309.

95 BMW 318 TI - Wht w/Rd Leather/Cloth Int, 2dr, hbk, a/c, s/roof, 6Disk CD, p/l, p/w, alarm 153K mi. $3,295/neg. 516-446-8373.

Boats & Marine Supplies

10' ALUMIUM JOHN - almost new. $350/neg. 924-6751.

25' C&C C&C25 - '81 cruiser/racer. Roller furling. New 8HP elec start OB. Autotiller, VHF, GPS, slip avail. for $10,000. Ext. 4575 or 631-987-4511.

25' C&C 25 - '81 cruiser/racer. Roller furling. New 8HP OB elec start. GPS, VHF, autotiller. Slip included. $10,000. Ext. 4575 or 631-987-4511.

27' BAYLINER CABIN CRUISER - Runs Good. $4,000/neg. Billy, 631-834-6637.

1980 CATALINA 25 SAILBOAT - Std rig, pop-top, swing keel; 1994 9.9 HP Tohatsu OB; genoa & storm jib; new m/sail ex cond $3,600. Ext. 3434 or 744-0244.

Furnishings & Appliances

AIR CONDITIONER - Whirlpool, 9000 Btu, portable rm., 32.25h x 18.3w x 17.75d, Target.com for $499.99., ask. $250/neg. Melanie, Ext. 5810.

BABY'S SWING - Graco Lovin Hug Swing - Bermuda, barely used, $60. Ext. 3578.

BUREAU - five drawer, blond colored, 1950s style $25; child's desk w/drawers $15. You pk up. Ext. 7647.

DESK, DRESSER - Desk (Table top) - $10; Dresser, 5 drawers - $10 Coffee Table - $10 or Best Offer. Sean, Ext. 4331.

DINING TABLE - solid oak pedestal table, two leaves, and oak six chairs. Excellent condition. $375 firm. Michael, 878-9020.

LITTLE TYKES CAR BED - Twin size - Little Tykes Blue Car Bed $80 (frame only - no mattress). 631-387-5699.

MICROWAVE OVEN - Black, G.E. Spacemaker XL1400 w/mounting hardware, excel. cond., $35. Steve, Ext. 2897.

MICROWAVE OVEN - Haier. model: MWQ646RW. almost new, 600W, 22lbs, 0.6 cu. Fe., Unit Dim: 17.7"x13.6"x10.2". $15/obo. Wei, Ext. 3744.

OAK DRESSER - 2-over-4 solid oak dresser, with solid antique brass fittings. Excellent condition. $150 obo. 878-9020.

PLATES, KNIFES - 36 Dinner plates, great for parties $0.50 each. Set of 4 knives - $10. Sean, Ext. 4331.

Audio, Video & Computers

RECIEVER + CD PLAYER - Kenwood Reciever, Sony 5 disk CD player. 40$ each or best offer. Sean, Ext. 4331.

Lab Community Lunchtime Tour Today, 7/20

See Super New York Blue Supercomputer

Today, Friday, July 20, the Lab community is invited to join the Lunchtime Tour to see and learn about the capabilities of New York Blue. This superfast computer, ranked fifth in the world for general use, is the gift of New York State to Stony Brook University and BNL, and is located in the Information Technology Division. To join the tour, meet the group in the upper lobby of Berkner Hall at noon. No reservations are needed. Questions? Call Elaine Lowenstein, Ext. 2400.

Roger Stoutenburgh D1950607

SUBWOOFER - Atlantic Tech., pr of pbm 70 subs 10" woofer, self powered, 125 watts, sell pair only $300. Edward, Ext. 7160.

Sports, Hobbies & Pets

AUTOBIKE - 26" women's model, 6 speed automatic transmission, purple, almost new, $100. Ken, Ext. 8463 or 878-7655.

BABY BACKPACK CARRIER - Kelty, rm. to store diapers & bottles, $25; baby/child bicycle seat & frame attach., $35. Tom, Ext. 7578 or 793-4568.

BABY BIKE SEAT - Topeak TCS2000; excellent seat/rack, great cond; suspension, padding; best kid bike seat on market. $25. John, Ext. 5195.

BIKES - 2, children's BMX reg. & 6/spd, gd. cond., will deliver @ Lab, $25/ea. Helen, Ext. 2531 or 875-9493.

CAMPING GEAR - Mountain Hardwear 3 pers., 3 seasons tent & Wenger self-inflate sleeping pad, used once, $150. Ext. 4924.

COMIC BOOKS - Original X-Men, silver age, #39-49, great cond., not graded, cover photos avail. $20/each. Judy, Ext. 4538.

GOLF CLUBS - numerous sets w/bags, call for details. Chris, Ext. 2094.

HARLEY DAVIDSON COINS - silver, .999 ingot, 24 1st full set, 11 in 2nd set, certified, documented, ask., $500. 289 3267.

HOME GYM + EXTRAS - Body Sculpture Bench, multifunctions -barely used; curling bar & weights. $40 ALL . 281-4871.

METS TICKETS - Tues., Aug. 7th, vs Atlanta field, lvl box, sec 111, 4 tickets, $248. Matt, Ext. 7388.

PING PONG TABLE - Harvard ping pong table w/ net and paddles, $100. connolly@bnl.gov. Roger, Ext. 4698.

POOL EQUIPMENT. - Hayward Super Pump, $75. 6-position filter valve, $40. connolly@bnl.gov. Roger, Ext. 4698.

SLOT MACHINE - Triple Triple Diamond, actual Las Vegas Casino quarter jackpot slot mach., IGT. accepts bills, $850. Ext. 3005.

TICKETS - 8 for Ducks vs. Camden, 8/25. $10/ea. Donna, Ext. 2716 or 878-2425.

YORKIE PUPPIES - sm. toy, 10 wks. old, vet checked, papers. April, 921-2388.

Tools, House & Garden

BARBECUE - gas Grill-Rite BBQ, never used, worth $100, sell for $50. 744-3569.

DEHUMIDIFER - Kenmore, $45/obo. Linda, Ext. 2733 or 395-6784.

TABLE SCROLL SAW - delta, great for intricate wood work, $50. Chris, Ext. 2094.

WINDOW FANS - Holmes Elite; 2 Home Air, $10/ea., call for details. Ext. 3217.

Yard & Garage Sales

SOUND BEACH - To support Feral Cat Rescue & neutering, 15 Mastic Rd., off Sound Beach Blvd., lots of good stuff. Melanie, Ext. 5810.

SOUND BEACH - supports feral cat rescue,15 Mastic Rd., off Sound Beach Blvd., lots of gd. stuff. Sat., 7/14. Melanie, Ext. 5810.

Free

BUTCHER BLOCK TABLE - butcher block, sq. table w/rounded corners, needs sanding, 4 chairs. Millie, Ext. 7245.

HOUSEHOLD ITEMS: - microwave, coffee maker, deep fryer, food processor, hamster cage, steamer trunk, Easter choc. molds, also baby items. Millie, Ext. 7245.

Wanted

POWDERED GATORADE MIXES - Are much needed by our troops. Please donate to BNL's Adopt-a-Platoon effort. Ext. 5483.

WOOD SPLITTING - can somebody split or help split my firewood? Two big trees chopped in 16" lengths. 631-821-1435.

Miscellaneous

CROSS STITCH/CRAFT MAGAZINES - Back issues (68) of cross stitch, needwork, jewelry, bead, & craft magazines. Make me an offer! Judy, Ext. 4538.

DEPRESSION GLASS - yellow florentine 3 pt relish dish $30; green princess plate $10, pics avail. Sue, Ext. 7235.

HIGH CHAIRS - 2, Peg Perego Prima Pappa Diner, older model w/dual dinner/play tray, blue/wh. checker seat, $40/ea. Dorene, Ext. 4153.

HOT TUB - Cal Spa, 7'x7', 40 jets, 7 person, great cond., $2,990. Ext. 7459.

KING TUT TICKET - one, for BERA trip to see K, TUT at Franklin Inst., Philadelphia, Sat., 7/28. $38 or best offer. Liz, Ext. 2346.

RECORDING STUDIO - Korg-Digital, 32 track model-D, #3200, $800. 924-6751.

TICKETS - 2, Yankees, Fri., July 20th, Tampa Bay, Sec. 16, Box 632A, Face Value $50 ea. - $80. Barbara, Ext. 2585.

For Rent

MIDDLE ISLAND - walk distance to Pine Lake. 15 mins to Lab. 4 BRs, 2 BAs, kit, family, & l/r. Option: rent single room ($600-650) or whole house. $650/mo. Ext. 3744.

MIDDLE ISLAND - 2 bdrms for rent. A/C unit, washer, dryer, refrig. & range. 7 miles to the Lab. $650/mo./neg. 473-7496.

NORTH SHIRLEY - 1 bdrm. apt., 2nd flr., v. close to Lab, single working person pref., no children/pets, 1 mo. sec. req., $1,100/mo. incl. all but phone, 729-3687.

RIDGE - a/c, approx 6 mins to Lab, all utils incl, igp $500/mo./neg. Rao, Ext. 3387 or 882-8962.

ROCKY POINT - 1 bdrm. apt. furn./unfurn., patio, 2 lge closets, bright, quiet,15 min. to Lab, $1,000/mo. Gas, water incl. mrngwu@yahoo.com $1,000/mo. 593-4561.

SELDEN - Spacious 1 bdrm. apt., sep. ent., l/r/kit. combo, walk-in closet, w/d, dw, cable w/wireless int., quiet nbrhd, close to all, no pets. $1,050/mo. 516-987-4359.

SHOREHAM - Lge furn apt. 1 bdrm, l/r, d/r, full kit. & bath, a/c, util. incl. no smkg/pets, pvt.ent/drvwy. single/couple only.1 mth sec. 5 min to Lab. $1,000. $1,000/mo. 375-7959.

WADING RIVER - renovated, mint 1 bdrm. cottage w/poss. 2nd bdrm., 5 min. to beach, 15 min. to lab., util. xtra, no smkg/pets, call for pics. $850/mo. Michael, Ext. 4202.

For Sale

BELLPORT - 4-BR. ranch, 2 bth, l/r w/dble opening fp to den, d/r, eik, oak flrs, screened deck on priv. part of yd, laundry rm, fin. bsmt: w/4th BR, bar, full bth, 2 rms; gar., 2 sheds, gt. cond. $449,000; 949-7797.

MEDFORD - custom, expanded ranch, 4br, 2bth, pergo flrs., crawl space, patio, pool w/deck, 1.5 gar., 4 pics: ref# WLBR0360841 at http://www.foxtons.com $359,000/neg. 286-2890.

MIDDLE ISLAND - quality home on 1/2 acre-shy property nr Pine Lake, 4 bdrm., 2 baths, oak flrs., new windows, spacious kit., family & l/r, lg. patio. $299,000/neg. 473-7496.

MIDDLE ISLAND - 5 bdrm., 3.5 bath, l/r w/fire place, d/r, 2 car gar., igp, laundry room, full finished bsmt., great location, shy 3/4 acre. $459,000 516-481-2680.

On-Site Services

ENTERPRISE RENT-A-CAR - Stop by the on-site office at Bldg. 355, 50 Brookhaven Ave., to check weekend specials, daily rates. Or call Ext. 4888 or see www.enterprise.com.

ON-SITE SERVICE STATION - gas, all vehicle services: NYS inspections, new batteries, tires, timing belts, etc., we also service starter motors for boat engines. Done while you are at work. Ext. 4034.

NAYYARSONS DINING at BROOKHAVEN CENTER - full menu dinners 5-8 p.m.; specials 5-6:30 p.m. 3-course, wine/soda, coffee, $10.95 or $9.95 (no take out); Weds. rib-eye steak, veg., Bud. $11:95, all plus tax.

In Appreciation

To all my friends and family at BNL. I want to thank you for all your kindness and generosity during the loss of my father, Martin Koop. — Tina Walsh

The American Legion Auxiliary Post 1887 of Leisure Knoll wishes to express our sincere appreciation to the BNL community for their support on Poppy Day. — Flo O'Brien

the Bulletin

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John Galvin, reporter
Roger Stoutenburgh, photographer

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

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