

Richard Setlow Honored With New Emeritus Title

Richard Setlow, Biology Department, has been honored with a new title: Senior Biophysicist Emeritus. Although Setlow retired in 1999, he actively pursues his research, which currently involves experiments to prove that light from the sun – in the UVA and visible wavelength ranges – is primarily responsible for causing malignant melanoma, the most serious form of skin cancer.

The new Emeritus position came about as a result of input from the Brookhaven Council and members of the scientific staff. Retired scientists with at least ten years of service to the Laboratory who have made particularly noteworthy contributions to the Laboratory's reputation as a world-class scientific institution are eligible for the title. Fritz Henn, Associate Laboratory Director for Life Sciences, recommended Setlow for the Emeritus position, and final confirmation came from BNL Di-

rector Sam Aronson. Retired employees who receive an Emeritus title will retain many of the rights, privileges and obligations of active employees.

"I am pleased to receive this title," Setlow said. "It permits me to continue my research in the Biology Department as well as pursue my other professional activities at the Laboratory. For instance, I am one of the reviewers of grants for NASA's Space Radiation Laboratory at Brookhaven, and I am on the Biology committee to evaluate non-tenured staff and to recommend staff for tenure appointments."

In addition, Setlow gives a lecture on skin cancer each year to summer students in the Office of Educational Services' programs. In the past, he has mentored many students in these programs.

Setlow's interest in DNA damage due to ionizing radiation, ultraviolet radiation

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BNL Director Sam Aronson (right) shakes hands with Richard Setlow, Biology Department, as he presents him with his new Senior Biophysicist Emeritus title. Joining them are Associate Laboratory Director for Life Sciences Fritz Henn (left) and Interim Deputy Director for Science & Technology Peter Bond.

Maurice Goldhaber, physicist and former Laboratory Director, and physicist Ernest Courant, both retired from full-time work at the Lab, have been honored with the previous Emeritus title given by Associated Universities, Inc. — AUI Distinguished Scientist Emeritus — given in 1985 and 1989, respectively.

Harbottle, Holmes Research on Origin of Artwork Is Featured at The Met

An exhibition at The Metropolitan Museum of Art, called "Set in Stone: The Face in Medieval Sculpture," pays tribute to a "revolutionary new tool for art historians and curators" that allows scientists to determine the place of origin of sculpture and other artwork: neutron activation analysis. Using this method, BNL retired chemist Garman Harbottle and the late BNL guest chemist Lore Holmes of The Met were instrumental in determining the origin of about 25 of the 80 medieval sculpted heads currently on display.

While neutron activation analysis has had medical and industrial applications since the 1940s, in the 1960s, BNL's Edward Sayre, a now-retired senior chemist, was the first to

use the technique to analyze art objects to help determine their origin, date, method of manufacture, and authenticity. Sayre and collaborators used the technique to investigate artwork by Rembrandt, Vermeer, and others. In the 1970s, BNL scientists Peter Meyers and Bert van Zelst in collaboration with Charles Little of the Met's Medieval Department pioneered neutron activation analysis in identifying the origin of some French limestone sculpture.

During periods of social upheaval, many heads were intentionally removed from bodies of sculpture. For example, monumental figures on the façade of Notre-Dame Cathedral were systemically destroyed or beheaded by government edict during the French Revolution. Often, sculpted



Retired chemist Garman Harbottle and the late chemist Lore Holmes drilled a piece of limestone from a French quarry to obtain a sample for neutron activation analysis at BNL in 1990, part of their work to identify more than 2,000 medieval French sculptures made of limestone.

heads have been separated from the original sculpture for so long that researchers and art historians cannot determine

with accuracy where the works were made using traditional methods, such as comparative visual analysis and analysis of

carving techniques.

In the 1990s, with a grant from the Florence J. Gould Foundation, a New York City-based organization that specializes in aiding American and French scholars, Harbottle and Holmes, also in collaboration with the Met's Charles Little, used neutron activation analysis to determine the origin of a number of medieval French sculptures made of limestone. Some of these sculptures are now featured in The Met's current exhibit, which also includes German, Italian, Spanish, Byzantine, English, and other sculptural traditions.

"This is the first time that a major museum has incorporated information about neutron activation analysis into an exhibit, acknowledging how science has helped in art provenance identification," Harbottle said.

In neutron activation analysis, researchers bombard a sample of

(continued on page 2)

Non-Destructive System to Measure Carbon in Soil Developed at BNL, Used in Maryland, Montana

Four years of instrument development came to fruition in September and October of this year in two first-of-their-kind field experiments in which the inelastic neutron scattering

(INS) system developed at BNL to measure carbon in soil non-destructively was used for stationary measurements and for scanning large areas.

For that purpose the INS system was shipped to Montana and Maryland where two BNL scientists, Lucian Wielopolski and

Sudeep Mitra, both from the Environmental Sciences Department, together with the local soil scientists, carried out experiments in fields that participate in The Big Sky Partnership effort for carbon sequestration in Montana, and in U.S. Department of Agriculture experimental fields in Maryland.

The results of these and future experiments will be used to validate the INS system that will enable scientists to collect reliable data for carbon cycle models much faster and will also allow sequential measurements over very large areas. The system development and field experiments were part of the Carbon Sequestration program funded by DOE through the Office of Biological & Environmental

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Pictured are: (from left) Oded Doron, Sudeep Mitra, and group leader Lucian Wielopolski, all of Environmental Sciences, with the new device that they developed to measure carbon in the soil non-destructively.



CALENDAR OF LABORATORY EVENTS

- The BERA Store 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 #317 (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: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

Mondays: Pilates/Yoga
12:15 p.m., Rec. Hall. Ext. 5090.

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., Brookhaven Center, North Room. Taught by Master William Moy. Tuition. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

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

Tues. & Thurs: Jazzercise
Noon, Rec. Hall. Ext. 5090.

Tuesday & Thursday: Aerobic Fitness
5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, flood@bnl.gov.

Tuesday & Thursday: Aqua Aerobics
5:15 p.m., Pool. Ext. 5090.

Tuesdays: Welcome Coffee
10 a.m.-noon, apartment area gazebo. 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. Gym. All levels, ages 6 and above. \$10/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/.

Tue., Wed. & Thu: Rec Hall Activities
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Wed. & Fri: On-Site Play Group
10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. Arup Ghosh, Ext. 3974; Donna Grabowski, Ext. 2720; or Vinita Ghosh, Ext. 6226.

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: Pilates/Yoga
5:15 p.m., Rec. Hall. Ext. 5090.

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
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

CIGNA at BNL, Mondays

On Mondays, 10 a.m.-1:30 p.m., Janice Petgrave, CIGNA, will be available by appointment only to assist CIGNA participants with claims issues that they have been unable to resolve themselves. To schedule a 30-minute appointment in Bldg. 185, call Linda Rundlett, Ext. 5126. Bring all pertinent documentation to the meeting.

BNL's Conference Support, Food Services Upgrade to Make Life Easier

BNL's Conference Support Services office and Nayyarsons Corporation, the Lab's on-site food service provider, have partnered to make catering and conference support requests easier and more reliable. Both organizations have updated their websites so that conference room reservations and catering requests can now be submitted online. The link for conference support and the catering menu (Coffee Break/Meeting Room request) are both located on the drop-down menu under "Administration" on the Lab's homepage. Employees can easily reserve conference rooms, with or without food service, by completing the online express form.

Conference support has also upgraded the presentation tools available to speakers. For instance, the auditorium and Room B in Berkner Hall now have touch control panels that make it easy for speakers to select what type of presentation media tool they need.

"The touch control panels are simple and more efficient," said Ruth Comas, Conference Support Manager. "Presenters can now select what medium they wish to use for their presentation, such as DVD, VCR, or Laptop, or the installed PC in Room B — a personal laptop is no longer required. Ray Dumont, who provides audio service at the Lab, has been very helpful in getting this new tool installed."

In addition, Nayyarsons has updated their menu. According to Ray Hernandez, the on-site Director of Food Service, "Everyone at Nayyarsons Headquarters, especially Dennis Donnelly, Director of Operations, has supported the changes and our effort to update the menu while paying close attention to cost. I believe that we can make the Lab one of the best food service operations in the Nayyarsons system. We urge employees to give us feedback and suggestions so that we may continue to align our services with the needs of the Lab's population."

A booklet listing catering options and cost is available. For a copy, contact Hernandez, Ext. 3541 or Nayyarson@bnl.gov.

For information on conference support services, contact Comas at Ext. 3545 or comas@bnl.gov.

— Jane Koropsak



(From left) Ruth Comas, BNL Conference Support Manager; Ray Hernandez, Director of Food Service for Nayyarsons Corporation; and Ray Dumont, the Lab's Audio Support technician, recently demonstrated the upgraded media system in Berkner Hall to employees. In addition, Nayyarsons has revised their catering and food service menu.

Roger Stouenburgh 000312061

Richard Setlow Honored With New Emeritus Title

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and chemicals in the environment and DNA repair began 45 years ago, when he was a researcher at Oak Ridge National Laboratory. Known as "the father of DNA repair," Setlow, with his colleagues at Oak Ridge, discovered in the 1960s that DNA damage caused by ultraviolet light leads to mutagenic effects. He showed that cellular enzymes could repair these damages in normal bacterial cells. His groundbreaking research led to much interest in the topic, since some genetic diseases and cancer can result from deficiencies in DNA repair.

At BNL, Setlow and his colleagues at BNL have used small fish as animal models to determine the wavelengths of sunlight that initiate melanomas and, with colleagues in Japan, the germ cell muta-

tions that arise from exposure to energetic cosmic rays. They also, in collaboration with investigators at Stony Brook University, designed experiments using transgenic fish to estimate the mutagenic potentials of the sediments and waters around and on Long Island.

In the 1990s, Setlow and his colleagues found that all wavelengths of sunlight cause malignant melanoma, contrary to the popular belief that only short ultraviolet light wavelengths were potentially harmful. "Using sunscreen to prevent sunburn is effective, but it doesn't absorb UVA or visible wavelengths, so it cannot prevent malignant melanoma," Setlow explained.

There is epidemiological evidence that UVA and visible light causes malignant melanoma. For example, albino blacks get skin

cancers of various types, but they do not get malignant melanoma because they have no melanin, the primary determinant of skin color that is potentially a cancer-causing target. UVA and visible light is absorbed by melanin, causing mutations and malignant melanoma.

Currently, Setlow, in collaboration with New York University researcher Moon-shong Tang, is conducting experiments to determine what wavelengths of light cause "bulky" damage, or very large structural changes, in the DNA of human melanocytes — cells that make melanin. After melanocytes are irradiated with various wavelengths of light, they are treated with an enzyme (a nuclease) that splits the DNA at bulky damages. Then the researchers determine what wavelengths caused the large change in DNA structure, the precursor to malignant melanoma.

Setlow is looking forward to the spring, when he will travel to Norway to give the main honorary talk at a symposium on "Sun and Health," sponsored by the Norwegian Academy of Science. His talk will focus on mutations and DNA damage caused by solar radiation.

Richard Setlow received his

A.B. from Swarthmore College in 1941 and his Ph.D. in physics from Yale University in 1947. He taught physics and biophysics at Yale University before he joined the biology research staff at Oak Ridge National Laboratory in 1961. He came to BNL in 1974, and in 1979, he was named Biology Department Chair. In 1986, he became the Associate Laboratory Director for Life Sciences, a position he held until he returned to full-time research in 1998. He retired in 1999, while still continuing to perform research.

Among his many honors, Setlow won the 1988 Enrico Fermi Award, the most prestigious scientific award given by DOE, for his contributions to the fields of radiation biophysics and molecular biology. He has served on various advisory boards, including the boards of the Office of Technology Assessment and the U.S. Food & Drug Administration. Setlow has also served as president of the Biophysical Society and the *Comité International de Photobiologie*. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and many other professional organizations. — Diane Greenberg

Harbottle, Holmes Research at The Met (cont'd)

or quarry stone with neutrons, causing 15 to 20 chemical elements to become radioactive. The radioactivity is then measured with gamma-ray counters. Since each element has a characteristic spectrum of gamma rays, the counts are then used to determine the proportion of each element in the stone.

"If the sculptor did a number of pieces using limestone from the same quarry, there would be a chemical similarity among the pieces. Then an unidentified sculpture can be compared with 'parent' statues of known origin," Harbottle said. "In fact, the exhibit includes a kiosk where visitors can test the method for themselves. They can match

a limestone head with a trace element profile derived from neutron activation analysis, and then match that profile with other sculptures. This is certainly a first."

The unique "fingerprints" of the 2,200 pieces of limestone sculpture and quarry that Harbottle and Holmes analyzed and identified are available in a database on the web at www.limestonesculptureanalysis.com, sponsored by the International Center of Medieval Art. Also, a special feature on the exhibit is available on the Met's website: www.metmuseum.org. The Met's "Face in Medieval Sculpture" exhibit will be open through February 19, 2007.

— Diane Greenberg

Sudbury Neutrino Observatory Award (cont'd)

The SNO team gained international recognition by proving that neutrinos released in the core of the sun change their "flavor" or type as they travel to earth. About two-thirds of them change into two other types of neutrinos, not visible to earlier detectors used at other laboratories. The SNO detector, which just ended operations, is eventually expected to be reconfigured into two new experiments aimed at studying neutrinos on a more precise level, with likely Brookhaven participation.

To read the Natural Sciences and Engineering Research Council of Canada press release on the award, go to www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=06-X24. — Karen McNulty Walsh

BNL System Measures Carbon in Soil (cont'd)

Research within the Office of Science and the National Energy Technology Laboratory within the Office of Fossil Energy.

The BNL-developed INS system uses multielemental spectroscopy of gamma rays induced by fast, 14-million-electron-volt neutrons emanating from a neutron generator. The prompt gamma ray spectra resulting from inelastic neutron scatterings and from thermal neutron captures are recorded and analyzed for carbon and other elements. These results are compared with the classical methodology of taking soil core samples, homogenizing, sieving, re-sampling and submitting for chemical analysis by dry or wet combustion. These experiments provide preliminary INS

system calibration from the stationary measurements, and will be used for evaluating the field estimate from the scans that in turn will be compared with predictions based on hundreds of core samples.

Said Wielopolski, "The INS system is unique in that it allows us to look for the first time non-destructively into the below-ground processes. Once the system is validated, it should play a major role in quantitative field characterization and obtaining superior data for carbon cycle research and for modeling global warming. The system characteristics allow true sequential measurements and scanning large areas, things not possible at present. Preliminary findings are in line with these expectations." — Liz Seubert

BERA Hispanic Heritage Club Will Grant Academic Scholarships

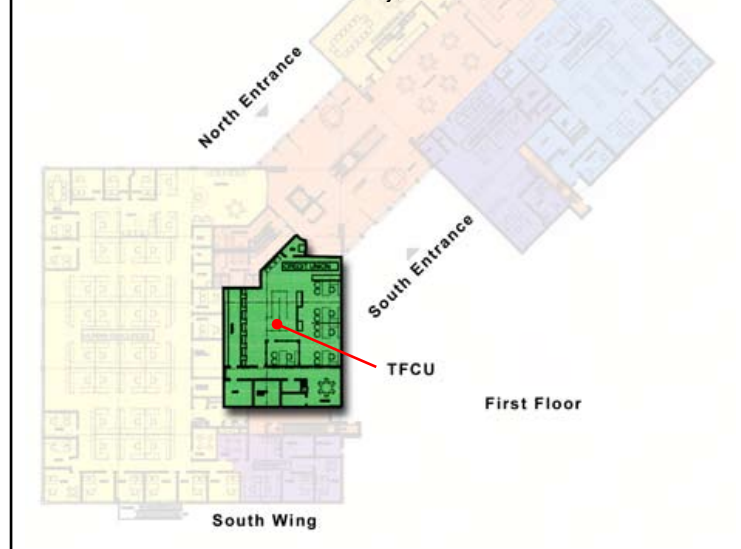
In 2007, for the first time, BNL's Hispanic Heritage Club (HHC) will grant three \$500 scholarships to high school seniors who are interested in pursuing a science or engineering degree.

To be eligible, applicants must be U.S. citizens or permanent residents with some degree of Hispanic ancestry, and who attend Longwood, Riverhead, or William Floyd high schools. The applicants also must have a minimum 3.0 cumulative GPA and be accepted by a college for fall 2007 classes with the goal of obtaining a degree in science or engineering. The application deadline is March 30, 2007. The application form can be downloaded from www.bnl.gov/bera/activities/hispanic. The winners will be announced on April 30, 2007.

Founded at BNL in 2001 as part of the Brookhaven Employees Recreation Association, the HHC currently has about 30 members. The club is committed to supporting the educational achievements of Hispanic students. The new scholarships are funded by proceeds from ticket sales of events sponsored by the HHC in the past. Originally, two scholarships were planned, but due to the success of the Santana tribute concert last October, funds became available for a third scholarship.

Credit Union to Close 1 p.m. Today, 12/8 Moves To Research Support Bldg., 12/11

The on-site branch of the Teachers Federal Credit Union (TFCU) will close at 1 p.m. today, Friday, December 8. Following the close of business, it will be moving from its current location, Bldg. 129, to its new home in the Research Support Building, Bldg. 400. TFCU will be open for business in the new location on Monday, December 11.



Attn: IBEW Union Participants Medical Provider Directories

New 2007 medical provider directories are available in the Benefits Office, Building 185. Members who are moving from CIGNA PPO to CIGNA OAP will need a listing of the new network of outpatient radiology facilities and participating doctors. Members who are moving from the Vytra HMO to Vytra PPO, are encouraged to pick up a new listing of participating doctors as well.

Next IBEW Union Meeting

The next IBEW Union meeting will be in January, 2007, date to be announced. There will be no meeting in December.

ANS Meeting, 12/13

At the next meeting of the Long Island Chapter of the American Nuclear Society, on Wednesday, December 13, the speaker, Garman Harbottle, of the Chemistry Department at Brookhaven National Laboratory, will talk on "The Vinland Map: Could It Be Real After All?" The meeting will be held at the Brick House Brewery and Restaurant, 67 W. Main Street, Patchogue. Complimentary appetizers/cash bar will start at 6 p.m., and dinner at 7 p.m. Harbottle's talk will begin at 8 p.m. The cost is \$22 per person. To reserve by Monday, December 11, leave a message with Arnie Aronson, Ext. 2606.

Santa's Visit & Potluck Dinner, 12/17

The Hospitality Committee and the Asian Pacific American Association warmly invites all BNLers to a Santa's visit and holiday potluck dinner in the Recreation Hall in the apartment area at 5 p.m. on Sunday, December 17. Santa will visit at 5:30 p.m. with presents for all the good little children! Several entrees, desserts & drinks will be provided. Bring a dish to share for six people. For more information, contact Becky Job at Ext. 1059 or becky_job2001@yahoo.com, or Neetu at 805-7119 or m_neetu@yahoo.com.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Monday and Wednesday, December 18 and 20, 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 Arlene Lyons, (866) 842-2053, Ext. 4629.

United Way of Long Island • United Way of Long Island • United Way of Long Island • United Way of Long Island

United Way of Long Island helps other people — until you or your family suddenly needs one of the many services they keep going. Please contribute to the BNL United Way Fund Drive. See <http://intranet.bnl.gov/unitedway/> — or call Fund Drive Co-Chair Terrance Buck, Ext. 8715.

Be Aware of Lab's New Policy For 'Personally Identifiable Information'

Following October's BNL Cyber and Physical Security Stand Down, Laboratory Director Samuel Aronson asked Human Resources & Occupational Medicine Division Director Bill Hempfling to head a working group to develop a policy on personally identifiable information (PII). Working group representatives included Tom Schlagel (ITD), Bonnie Miller (HR), Cheryl Burke (Payroll), Joe Indusi (Nonproliferation & National Security), Gary Gross (Counterintelligence), Mark Sakitt (Facilities & Operations), Mike Dooling (Business Systems), and John Amabile (Safeguards & Security).

The policy is now complete, and can be found at <https://sbms.bnl.gov/sbmssearch/subjarea/105/3837d011.pdf>.

"I encourage each of you as members of the BNL community to review the policy, even if you do not have occasion to use PII in the course of your job," said Hempfling. "I believe it's beneficial to understand the steps the Laboratory is taking to protect the identity of our employees, users, and guests."

Reimbursement Account Deadline

According to the Internal Revenue Service, contributions to health care or dependent day care accounts not used by the end of the calendar year will be forfeited. So, do not forget to use up balances within all 2006 reimbursement accounts by claiming expenses incurred in 2006. To do so, submit claim forms by March 31, 2007.

Call for Holiday Recipes, Photos To appear in the Bulletin, 12/22

Attention: All the Lab community, including all countries, cultures, and religions! Prized family recipes for holiday dishes sent to the Bulletin will be included in a "Winter Holiday Cook-In" article to appear in the holiday issue of December 22. Fun or beautiful photos showing holiday table settings, friends, or family gatherings are also welcome. Send your recipe and photo by e-mail to bulletin@bnl.gov, or by regular mail to Liz Seubert, the Bulletin, Bldg. 134. To be printed, e-mailed photos must be scanned in high resolution (low-res can be placed on the web). Contributions must be received by Friday, December 15.

Give to Help Victims of Domestic Violence

The BNL Police group is again collecting items for Suffolk County Coalition Against Domestic Violence (SCCADV). This year ONLY toys, toiletries, diapers, phone cards, and money are needed. NO coats or clothing are needed. Checks can be made out directly to the coalition, SCCADV, c/o Kathy McNaught, Bldg. 50. As always, items can be dropped off at Police Headquarters, Bldg. 50, or given to an officer at the main or north gates.

Employees: Renew ID Badges Expiring 12/31/06

New badges have been issued to about 90 percent of BNL employees, but the rest have not yet renewed their badges. BNL employees whose ID badges expire on 12/31/06 must go to the Badging Office in Bldg. 30 to get a new badge. The hours are Monday and Wednesday, 8:30 a.m.-5 p.m., and Tuesday, Thursday, and Friday, 8:30 a.m. - 1 p.m. Failure to obtain your new badge will result in confiscation of the expired one. If you have any questions, call Ext. 4656, 2596, or 5149.

Give Warm Coats

Gently used coats are being collected at Berkner Hall Cafeteria by Ray Hernandez, Food Service Director for Nayyarsons Corp., as part of a community service sponsored by Longwood High School, where Hernandez's son Danny is a student, and BNL's United Way Volunteers effort. Drop coats of any size at the cafeteria weekdays, 8 a.m.-4 p.m.

Arrivals & Departures

— Arrivals —

Kay Huebner..... Physics
Irina PomestchenkoChem.
Kun Qian NSLS
Daniela Schulz Medical
George Woods..... PPM

United Way — Departures —

Jill Carney CEGPA
Jasbeer Dhawan..... Medical
Patricia Fox..... EENS
Craig Johnson CFN
Thomas Le Maire..... EENS
Cheng WangBiology

BERA Party, 12/15

Join with friends to buy tickets that are now on sale at the BERA Store for the BERA Holiday Party, to be held at the Brookhaven Center on Friday, December 15, at 5:30 p.m. Tickets cost \$35 per person and include *hors d'oeuvres*, three hours of beer, wine and soda, dinner buffet, desserts, and DJ entertainment. Door prizes will be awarded.

For more information, contact Christine Carter, Ext. 5090.

Buy Science-Based Gifts on Site, 12/8 & 15

The Science Learning Center Gift Shop has many new science toys and gifts ready to buy for the holidays. BNL employees, families, and guests are welcome to shop in the Science Learning Center, Bldg. 935, on Friday, December 8 and 15, noon-2 p.m.

Bus to New York City, 12/16

The Hospitality Committee will sponsor a do-as-you-like trip to New York City on Saturday, December 16. The bus will depart from the Recreation Building in the apartment area at 9 a.m. and leave the city at 6 p.m. Tickets are \$10 for adults and \$5 for children of 2 to 12 years old. To reserve, contact Hanna Herman, haniaherman@yahoo.com or 849-2249.

CALENDAR

— THIS WEEKEND —

Friday, 12/8

***Buy Science-Based Gifts on Site**
Noon-2 p.m. Science Learning Center, Bldg. 935. Many new science toys, gifts, available to buy. See notice below, left.

— WEEK OF 12/11 —

Tuesday, 12/12

Verizon Wireless

11 a.m.-2 p.m. Berkner Hall. A Verizon Wireless representative will explain programs available for BNLers. Contact Edwina Cressy, 516-459-2635, or also Edwina.Cressy@verizonwireless.com.

Thursday, 12/14

Verizon Wireless

1A Verizon Wireless representative will explain programs available for BNLers. Contact Edwina Cressy (see above).

Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. See notice on page 4.

Volunteers Needed For Blood Drive Day

Volunteers are needed to donate an hour or two for the December 14 Blood Drive, to greet and register donors, etc. For details, go to the Human Resources homepage, select Blood Drive and click on "Volunteers Needed".

Community Advocacy Meeting

6:30 p.m., Berkner Hall, Room B. BNLers and members of the public are welcome to attend. Each meeting has a comment period during which community members may voice their opinions and concerns. Sherry Johnson, Ext. 5658.

Friday, 12/15

***Buy Science-Based Gifts on Site**
Noon-2 p.m. Science Learning Center, Bldg. 935. Many new science toys, gifts, available to buy. See notice below, left.

*BERA Holiday Party

5:30 p.m., Brookhaven Center. Cost of \$35 covers *hors d'oeuvres*, dinner buffet, desserts, and DJ entertainment, plus three hours of beer, wine, and soda. Door prizes. Buy tickets at the BERA Store, Berkner Hall. See notice below, left.

Saturday, 12/16

*Bus Trip to Manhattan

9 a.m. Recreation Bldg. in apartment area. Depart for free day in NYC. Bus leaves city at 6 p.m. Tickets are \$10/adults, \$5/children 2-12 yrs. Contact Hanna Herman, haniaherman@yahoo.com or 849-2249.

Sunday, 12/17

*Potluck Dinner & Santa Visit

5 p.m. Recreation Hall. The Hospitality Committee and the Asian Pacific American Association invites all to a holiday potluck dinner and Santa's visit. See notice, below, left.

— WEEK OF 12/18 —

Tues. -Thurs., 12/19-21

Holiday Gift Wrapping

11 a.m.-2 p.m. Berkner Hall lobby. Love to give, hate to wrap? For a small fee have your holiday gifts wrapped, all proceeds to benefit the BNL United Way Fund Drive.

Friday, 12/22

Lab Closes Half-Day

12:30 p.m. Half-holiday, Lab closed.

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.

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

NS3815. PROJECT ENGINEER /EQUIPMENT MANAGER (P-9) – Requires a bachelor's degree in an applicable engineering or scientific field plus a minimum of ten years' electronics experience with radiological instrumentation and three years with the Radiological Assistance Program (RAP) or other radiological emergency response organization. Professional certification in Health Physics or NRRPT is desirable. Comprehensive knowledge, skills and experience in a broad radiological detection instrumentation field are required, as are excellent communication and interpersonal skills; PowerPoint experience preferred. In addition, requires a considerable amount of travel, including after-hours work and the ability to obtain and maintain a "Q" security clearance. Responsibilities include working closely with RAP team and emergency response units from local, state and federal agencies, maintaining records of asset readiness; being a qualified member and active participant of the RAP team; giving presentations and overseeing the DOE Region I RAP instrumentation program; ensuring that instrumentation is calibrated and maintained in a constant state of readiness for deployment; ensuring equipment inventories meet the technical needs of the program; evaluating current commercially available radiation technologies for application to the mission; providing equipment training; providing field maintenance; preparing budget requests; and conducting annual equipment assessment. Nonproliferation & National Security Department.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates

MK3849. POSTDOCTORAL RESEARCH ASSOCIATE – Requires recent Ph.D. or equivalent in biochemistry, molecular biology, or radiation biology; experience in radiation biology desirable. Position will require travel to collaborating institutions, and there is a potential for participation in the NASA Heavy Ion Radiobiology Program. Will study molecular and cellular aspects of induction and repair of DNA damage clusters in mammalian cells. Under the direction of B. Sutherland. Biology Department.

MK3850. POSTDOCTORAL RESEARCH ASSOCIATE – Requires recent Ph.D. or equivalent in biochemistry, molecular biology, or radiation biology; experience in radiation biology desirable. Position will require travel to collaborating institutions, and there is a potential for participation in the NASA Heavy Ion Radiobiology Program. Will study molecular and cellular aspects of induction and repair of DNA damage clusters in mammalian cells, with emphasis on countermeasures to reduce DNA damage and cellular consequences of radiation. Under the direction of B. Sutherland. Biology Department.

MK2935. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in physics, chemistry, or materials science with experience in soft-matter physics. Experience in fundamental aspects of wetting and Atomic Force Microscopy (AFM) is highly desirable. Research will involve investigating nanoscale droplets of salt solutions on solid surfaces. This is a joint project between scientists in the Atmospheric Science Program: www.ecd.bnl.gov/steve/schwartz.html#ASP and the Soft Matter Group: www.solid.bnl.gov/~scmg in the Condensed Matter Physics & Materials Science Department. This project will employ non-contact AFM to study problems of interest to the Atmospheric Science Program. Under the direction of B. Ocko and S. Schwartz. Environmental Sciences Department.

MK2076. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in physics or electrical engineering and experience in various optical imaging techniques, ultrafast solid state and fiber lasers. Familiarity with physics of laser-

matter interaction and fiber amplifier are highly desirable. Research involves shaping the spatial and temporal profile of laser beams, amplification and characterization of ultrafast laser pulses. Using in-depth knowledge of optical transport and optical software such as ZEMAX, will design, build and test the laser beam shaper. Will participate in the construction and use of multi TW femtosecond laser system and a high power solid state laser to be used for generating high current electron beams. Under the direction of T. Rao. Instrumentation Division.

MK3599. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in experimental high-energy physics. Research will be within the Omega Group on the ATLAS experiment at the LHC in Geneva, Switzerland. Under the direction of D. Lissauer. Physics Department.

NS4426. CYBER INFORMATION SECURITY OFFICER (I-12) – Reporting to the Laboratory Director, ensures that the Laboratory provides protection of unclassified information and systems commensurate with the threat, risk, and potential harm that could result from the loss, misuse, disclosure, or unauthorized modification of information processed, stored, or transmitted by electronic methods. Manages the policy, planning, reporting, risk, reviews, audits, assessments, certification, measures, contacts, and staff awareness related to cyber security. Requires a bachelor's degree, preferably in computer science and, specifically, information assurance, with 15 or more years of related experience that includes cyber security operations and at least five years' managing a computer security program. Certification as a Certified Information Systems Security Professional is highly desirable, and a masters or Ph.D. in related field is preferred. Requires a strong operational feel for balancing risk and expense. Must be able to blend mandatory compliance with best business practices, and drive improvement in compliance as well as operations. Must be able to obtain and maintain a "Q" security clearance. Director's Office.

RM4259. ADVANCED APPLICATIONS ENGINEER (I-7, ERAP Eligible) – Requires a B.A./B.S. in computer science or a related field or equivalent experience including 5+ years of relevant experience, and excellent written and oral communications skills. Must demonstrate a thorough understanding of requirement specification, design, coding, and testing of information systems. Candidate must have a solid technical knowledge of design and building datacenter applications (client-server and web-based) using ASP, and Visual Basic. Experience with Oracle and SQL Server Databases, stored procedures, SQL, C/C++ and Linux and Windows environments is also required. Knowledge of .NET, Visual Studio 2005, UNIX, Crystal Reports, Java, Access, FrontPage, Information Internet Service, environmental chemistry and radiological data is a plus. Responsibilities will include installing, administering, tuning, and maintenance of Oracle and SQL Server databases and the development and maintenance of a suite of applications including forms and reports for data entry, querying, and reporting for an Oracle environmental database; design and development of a Web-based user interface; data processing; and production of technical and end-user documentation. Some additional system administrator tasks will be required. Environmental & Waste Management Services Division.

RM4392. ADMINISTRATIVE SERVICES ASSISTANT (A-2 - 3 positions, ERAP Eligible) – Requires an AAS (business, computer technology, or database management) and 2 years' relevant experience or a bachelor's degree in a business field. Candidate must have working knowledge of basic database development and maintenance skills; strong analytical, communication, and interpersonal skills; and proficiency in MS Office. In addition, must work independently within established procedures and guidelines, be able to handle non-routine office matters, and be responsive and resourceful in responding to the needs and problems of scientists visiting and working at BNL. Knowledge of PeopleSoft programs a plus. Knowledge of Laboratory policies and procedures and experience in issuing Laboratory appointments and check-in process, which requires a clear understanding of acceptable working INS documentation, personal identifiable information (PII), and all supporting documents associated with work-type visas is a plus. Position may require working non-traditional business days and/or hours. Job involves extensive interaction with user communities, guests of departments, and with BNL staff. Performs complex administrative functions and maintains confidential administrative records and reports. Utilizing various databases; primary responsibilities include issuing user appointments; monitoring training exams; ensuring guests have signed patent and facility agreements in place before working; issuing BNL ID badges, dosimetry badges, and facility access cards; database maintenance and input; expediting requests for foreign national access and initiating extension of guest appointments; and administrative support to the Head of the Guest, User, and Visitor Center. Director's Office.

Motor Vehicles & Supplies

04 VW JETTA GLS - 1.8 turbo Tiptronic trans, blk., pwr m/roof, heat/mirrors/seats, a/bag curtain. 26K mi. \$14,950/neg. Ext. 7277.

04 CHEVY S10 PICKUP - crew cab, black, 4wd, all pwr., tow pkg., 6 CD changer, hwy. miles. 60K mi. \$11,500/neg. 278-1905.

04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu. br, lg. bath, bunks, storage, used 5 times. \$17,000/neg. Paula, Ext. 3084.

03 HYUNDAI TIBURON - 6-spd, sports pkg., fully equipped. excel. cond. 30K mi. \$13,000. Susan, Ext. 5149.

02 HONDA CIVIC - LX, 4dr., excel. cond., maint. on sched., a/c, a/t, c/c, p/l, p/s, p/w. 42K mi. \$9,900/neg. Ext. 7855 or 456-1753.

00 TOYOTA SOLARA SE - orig. owner, excel. cond. 89K mi. \$8,950. 680-5645.

99 VW PASSAT - 4cyl, 1.8L, a/t, a/c, c/c, sunroof, alloy wheels, cd, new tires. 60K mi. \$8,850. Ext. 2576 or 563-9623.

99 SUBARU LEGACY OUTBACK WGN - 5spd, awd, a/c, p/w, etc., excel., new tires/brks. 99K mi. \$4,250/neg. Dave, Ext. 3886.

98 BUICK CENTURY - v6, p/s, p/w, excel. maint., all records, mint, orig. owner, gar., 29 mpg. 63K mi. \$4,300/neg. 286-3626.

94 HONDA CIVIC EX - red, new tires, brakes, speed sensor, trans. cable. Mnr mech probs. 122K mi. \$2,000/neg. 937-830-9627.

93 TOYOTA CAMRY LE V6 - 4-dr. sedan, red, a/t, new tires, batt. & radiator, gd cond. 120K mi. \$2,500/neg. Lynn, Ext. 3813.

92 SATURN SC - good cond., new parts, alloys, needs some work (engine runs rich), best offer over \$450. 130K mi. Ext. 3621.

91 HONDA CIVIC - 2dr, hbk., 4spd m/t, a/c, eng. gd, body fair, excl. commute car, 36 mpg. 169K mi. \$1,200/neg. Rick, Ext. 5886.

91 CHEVY S-10 BLAZER 4X4 - 2dr, 4L, V6, exterior rough, runs well, good tires. 173K mi. \$375. John, Ext. 5470.

Boats & Marine Supplies

23' SKIPJACK OYSTERMAN 23 - fiberglass sloop, sleeps 3, 9.9 HP outboard, 31' LOA, centerboard, shallow draft. \$8,900/neg. Mark, Ext. 2224 or 661-0228.

Furnishings & Appliances

BEDROOM - Girl's antique white oak desk w/hutch, mtchg headbrd, photo avail. \$175. Tom, Ext. 3085 or 744-4535.

BEVERAGE/WINE COOLER - E-Wave, black w/glass front, 17 1/2"hx18 1/2"w x15"d, like new. Sue, Ext. 7235 or 399-7997.

CHANDELIER - Williamsburg brass 24" wide. \$20. Lloyd, Ext. 5225.

CONTENTS OF APT - TV, couch/lv.seat, din/rm. table, ch-of-drwrs, more. 811 John Westley Village II, Sharon, 929-4270.

ENTERTAINMENT CENTER - white wash oak glass door fits up to 32 inch TV. \$40. Mark, Ext. 3172 or 365-9822.

FREEZER - Haier free-stdng., 5cu ft, white, barely used. \$50. Ext. 7235 or 399-7997.

GAS STOVE - GE Spectra Model LX44, oversize oven, 30wx26dx47h, spec.burners, hardly used, \$300. Ext. 3492 or 734-2593.

LAMPS - Hurricane Lamp white glass shade 20" h \$10; pr. white brass lamps, shades 30" high. \$50. Lloyd, Ext. 5225.

Audio, Video & Computers

ALIAS - COMPLETE FIRST SEASON - DVDs, brand new in unopened package. \$25. Ext. 2716 or 878-2425.

COMMODORE64 - system module and disk drive, sold as is, best offer. Ext. 3621.

COMPUTER - PC/E machine, 500 MHz, 128MB, 10GB, writable CD, readable DVD, Win98. Ext. 7370.

COMPUTER SYSTEM - Commodore64, keyboard., 1702 Mon., disk & tape dr., printer, software & cust. desk, \$75/obo. 698-0057.

INKJETPRINTCARTRIDGE-HP51626a,new, in orig. pkg., gd for HP200/300/400/500/600 printer series. \$5. Ext. 5049.

PHOTO PRINTER - HP photosmart #7850, new w/extra photo paper, \$45. John, 543-7065.

SUZUKI Q-CHORD - digital synthesizer w/auto chord & arrangemnt features, in portable guitar form factor. \$195. Ext. 3621.

TV - Toshiba, 26" brand new from P.C. Richards, paid \$800, sell for \$500 firm. Ext. 2882 or 924-7586.

Sports, Hobbies & Pets

BASEBALL, STAMPS - authentic cc of Babe Ruth contract bet. Yankees/Red Sox; Sabe/37 Explor. of Mars stamps. 727-5912.

CELLO - excel. cond., w/case, no bow. \$4,500. Ext. 4475 or 929-3251.

DRUM SET - 7 piece Percussion Plus; 10-gal. fish tank w/stand, access. 475-8162.

GOLDS GYM POWER FLEX - resistance unit, brand new, assembled; new, \$389, \$250 obo. 909-3156.

LEATHER - assorted sizes leather pieces, plain & colored, 3 boxes, take all. \$50. Ext. 7647.

SKATES - 2 pairs size 3 boy's black ice hockey skates. \$15 ea. Lloyd, Ext. 5225.

SKI BOOTS - Salomon, men's size 11 (33cm), black. \$25. 513-8275.

Roll Up Your Sleeve: Blood Drive, 12/14 With BERA-sponsored free raffle for donors



CMB-116-01

The availability of blood on Long Island for accident victims, hospital patients, long-term outpatients, and others depends on the generosity of healthy people who care enough for their family and neighbors to give blood. As everyone knows who receives blood, no thanks are enough for this precious gift of life. Many donors give every year and some give several times a year: their commitment is priceless.

Please join the donors if you possibly can, at BNL's blood drive on Thursday, December 14, 9:30 a.m.-3 p.m. in 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, log on to the Human Resources webpage, www.bnl.gov/HR, click on "Blood Drive" and select "Schedule an Appointment." For more information, contact Susan Foster, Ext. 2888, or Liz Gilbert, Ext. 2315.

Donors Enter Free Raffle!

Each donor of a pint of blood will be entered in a free raffle to be sponsored by BERA: first prize, two tickets to the winner's choice of any BERA trip or event; second, a BNL spring jacket; third, a BNL sweatshirt; and fourth, two movie tickets.

SKI STUFF - Blizzard 170cm, Salomon 757 bndgs. \$15; Fischer 170cm, Tyrolia bndgs. \$15; Nordica boots, men's 9. \$20. Ext. 2451.

SKIS - Head Cyber 190cm, blk/blue w/ Salomon 800 bindings. \$40. 513-8275.

ST. BERNARD PUPPIES - adorable, ready for Christmas, male & female. 208-0384.

STALL IN MANORVILLE - backyard barn w/ dir. access to pine brns & Otis Pike. Great trails. \$400 neg., full board. 516-946-1469.

Tools, House & Garden

LEAF VACUUM - Craftsman 5 hp push type. \$300. Mark, Ext. 3172 or 365-9822.

SNOW SHOVEL - Toro PowerShovel Plus, elec., used one ssn. converts to power broom. \$75. Chris, Ext. 2024 or 741-9169.

SNOW PLOW - front snow plow for 1950s Ford 8N tractor, needs paint, make offer. Ted, 680-3094.

Miscellaneous

CHILDREN'S ITEMS - stroller, Kolcraft, excel. cond.; boy's L.L. Bean jkt. & dk. blue pants, 2-3 T; Oilily shoes, sz. 9. 744-3569.

CHRISTMAS TREE STAND - appropriate for a large tree, contains water basin, \$25. Sabine, Ext. 4340.

DOLL CARRIAGE - Large, wicker, with hood. \$75. 475-4199.

EXERCISER - BodyByJake, \$125; wall mirror, \$95/obo; sofa loveseat & rocker recliner, \$495; Bill, 395-9610.

JEWELRY 14K CHARM - "Someone Special" gold charm, laser-cut slide for chain, approx. 1/2"hx1". \$25. Cheryl, Ext. 2852.

VENDING MACHINE - mechanical type, can use for candy bars, \$75. Ext. 3884.

WEDDING DRESS - size 10, straps, pics avail., orig \$1,350, sell for \$200. Ext. 3621.

Yard Sales

CONTENTS OF APT - TV, couch/lv.seat, din/rm. tbl, ch-of-drwrs, more. 811 John Westley Village II, 12/9, 10-2. 929-4270.

Happenings

POETRY RECITALS - all ages welcome, musical instruments are poetic expressions as well, 1/5/07, 7-9 p.m. 283-5601.

Free

CHRISTMAS TREE - 7.5' tree w/stand, excel. cond. Jim, 924-7374.

PUPPY - puppy in need of home, can no longer take care of her. Friendly, loves kids, she is a year old. Linda, 591-1781.

PUSH MOWER - 1975 Snapper. It runs, u-pick-up. Joseph, Ext. 3666.

REFRIGERATOR - 23.5 CF GE top freezer, almond col., looks & runs fine, about 10 years old. James, Ext. 4026 or 872-8966.

Wanted

OLD TOY TRAINS - Lionel, American Flyer, Marx trains and/or access., price pd. depts. on rarity & cond. Joseph, Ext. 5037.

For Rent

CENTER MORICHES - 1-bdrm. apt., 2nd flr., pvt. ent., prkg., gar., nr stores, no pets/smkg., sec. req'd, incl. heat. \$900/mo. 929-4753.

COMMACK - studio apt., full eik, dinette area, full bath, all utils incl., own thermostat & pvt. ent. \$850/mo./neg. 864-8119.

FARMINGVILLE - 1 lg. bdrm. in house, share bath w/1, full kit, elec. incl., avail. Jan 1. \$550/mo. Ben, 513-8275.

MANORVILLE - close to Lab, 3-bdrm. ranch, l/r, d/r, kit., bath, d/w, refrig, hook-up for laundry, detached gar., lg. yard, no pets, plus utils. \$1,600/mo. 878-1602.

MASTIC - 1 bdrm., full bath, eik, den, own dr/way, own ent., all incl., 10 min to Lab, no pets/smkg. \$900/mo. Joe Mond, Ext. 3499.

N.SHIRLEY - 1-bdrm. apt., ground level, fully furn., clean., 5 mi. to Lab., single, no pets/smkg., inc all. \$850/mo. 281-3479.

PATCHOGUE - 1-bdrm. (loft) converted garage apt., eik, w/d, private ent., small patio/yard, utilities incl. \$900/mo. Beth, Ext. 2852 or 758-0830.

PORT JEFFERSON STATION - 1-bdrm. 2nd-floor apt., close to shops, walk to LIRR. \$900/mo. 473-3128.

ROCKY POINT - 1-bdrm. house, lg. l/r, lg. kit., bath, no pets/smkg., bsmt., water incl. \$1,075/mo. 744-8919.

ROCKY POINT - mint 3-bdrm apt., lg. eik, full bath, lg. l/r, new windows & paint, fenced yard, use of gar. & washer/drier, no pets. \$1,800/mo. 929-5459 or 355-1586.

SHIRLEY - lg. 1 bdrm., eik, l/r, full bath, own ent., + util/sec., no smkg./pets. \$1,000/mo. Maria, 399-1756.

SHOREHAM - sublet 1/13 to 7/1/2007, 4-bdrm, 2-bath renov. house, 2 hvat zones, f/p, deck, walk to beach, pvt., furn., Internet, Intl TV, pl. util. \$1,600/mo. 821-4505.

SHOREHAM - share a non-smoke house, partial furniture, lg. bd rms., 7 miles to BNL, parking avail., single prefer. \$650/mo. Ext. 3785 or 744-3543.

SOUND BEACH - new 3-bdrm. Col., f/p, lg. eik, bsmt., level corner lot. \$1,800/mo. 278-1905.

WADING RIVER - 2-bdrm, 1-bath cottage, mint, w/d, flrs, updated, 15 min. to Lab, yard, walk to beach, rent to own. \$249K. Call for pics, util. xtra. \$1,050/mo. Ext. 4202.

WADING RIVER - 1 bdrm. apt., lg. rooms & pvt. ent., utilities incl. (elec., heat, & water), 10 min. to BNL, single non-smoker please. \$1,000/mo. 929-3419.

For Sale

NORTH SHIRLEY - <http://tinyurl.com/yfke6x>. \$280,000. Fred, Ext. 2792.

SHIRLEY - cute, 2-bdrm. starter home, 10 yrs. young, full bsmt., vinyl, new paint, low taxes. \$240,000/neg. 924-0139.

SHIRLEY - 3-bdrm ranch w/garage in prime area, excel cond., new siding, new bath, new carpet w/appliances, great starter home. \$299,000 399-3098.

SHOREHAM - sprawling 5-bdrm 2-bath ranch, move-in cond., brand new appl., dr/way, cac, heatg syst. & hwh, f/p, ins., fenced yard, 18x18 shed. \$369,900/neg. 848-8072.

SOUND BEACH - new 3-bdrm. Col., f/p, lg. eik, bsmt., level corner lot, taxes \$2,900, close to beach/Lab. \$340,000/neg. 278-1905.

BENNINGTON, NH - 1-bdrm. town house, loft, ski or snowbrd. to lifts, slope-side unit, mint cond., new renov., balcony deck, cozy f/p, nr golf, low maint. \$113,900. 838-7608.

BOYNTON BEACH, FL - Sun Valley East, 55+ condo, immac., move-in-ready, 1,800 sq. ft., 2/2 + den, encl. patio, walk to club, pool & tennis \$239,000/neg. 516-495-0187.

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 - All vehicle services, NYS inspections, new batteries, tires, timing belts, repairs, etc., done while you are at work. Ext. 4034.

In Appreciation

To all at CEGPA, it has been a privilege to know and work with you. Thank you for the very kind send off. — Jill Carney