

Six BNL Scientists Awarded Tenure

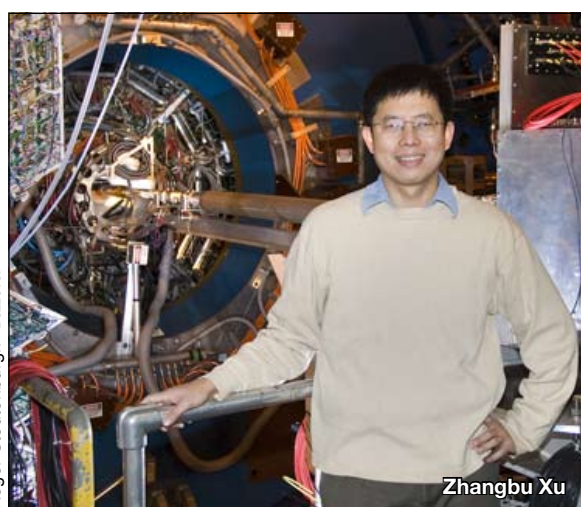
Brookhaven Science Associates (BSA) granted tenure effective August 1 to: Scott Berg, Physics Department; Dax Fu, Biology Department; Timur Shaftan, National Synchrotron Light Source II; Vivian Stojanoff, National Synchrotron Light Source Department; Flemming Videbaek, Physics; and Zhangbu Xu, Physics. Fu was featured in the Bulletin of 11/2/07. Articles on Stojanoff and Xu appear below.

Vivian Stojanoff

Physicist Vivian Stojanoff of the National Synchrotron Light Source (NSLS) Department was granted tenure based on her research accomplishments in developing new approaches

to characterize the quality of macromolecular crystals and mitigate their radiation damage. She was also recognized for her leadership in the establishment and management of the East Coast National Institute of General Medical Sciences (NIGMS) structural biology research facility at the NSLS.

Stojanoff obtained her Ph.D. in solid-state physics from the University of Sao Paulo in Sao Paulo, Brazil. She then worked as a postdoctoral researcher in the Materials Science Department at Carnegie Mellon University. Prior to joining the NSLS as a physicist in 2001, Stojanoff held scientific staff positions at the Physics Institute



Zhangbu Xu



Vivian Stojanoff

of the University of Sao Paulo, the BNL Biology Department, and the European Synchrotron Radiation Facility.

Macromolecular x-ray crystallography allows researchers to visualize the arrangement of atoms in a protein, which enhances the understanding of the protein's function. Stojanoff's work in this field is world leading in two areas: the application of high resolution x-ray imaging methods to characterize macromolecular crystals and the development of techniques to improve their quality, and the use of high-energy x-rays in macromolecular crystallography to minimize the problem of radiation damage. In addition, the East Coast NIGMS research facility on NSLS beamline X6A has attracted a large life sciences user community through Stojanoff's leadership in the development of beamline automation and user training.

Said NSLS Chair Chi-Chang Kao, "Not only has Vivian contributed to the NSLS by her research accomplishments and facility management, she also

is involved in advancing macromolecular crystallography in ways that can more effectively utilize the new NSLS-II facility."

— Kendra Snyder

Zhangbu Xu

Physicist Zhangbu Xu of the Physics Department has earned tenure for his seminal contributions to the STAR experiment at the Relativistic Heavy Ion Collider (RHIC), including the study of resonances and open charm, and in developing and extracting physics from the detector's time of flight system.

"Zhangbu Xu excels at experimental design and at proposing new detector technology — and he has an extraordinary record of bringing his ideas to fruition," said Tom Ludlam, physics department chair. "He has made important advances in the study of high-density nuclear matter at RHIC, developed new technologies for particle detection and identification, and has an outstanding record of achievement in educating the next generation of scientists."

participating in numerous workshops, including a series dedicated to developing the scientific case for future upgrades at RHIC. He has given a number of invited talks and, in 2004, he received a Presidential Early Career Scientist award as national recognition of his contributions and future potential.

"I am sure that Xu will continue to excel as an outstanding example of the high caliber of scientist and educator that BNL seeks to cultivate. His creativity and expertise will strengthen the Lab's physics program in the coming decades," Ludlam said.

Xu received his B.S. in 1994 from the University of Science and Technology of China. His graduate studies of heavy ion collisions at the Alternating Gradient Synchrotron earned him his Ph.D. from Yale University in 1999. He worked as a research associate there before coming to Brookhaven in 2001 as an assistant physicist. He was promoted to associate physicist in 2003 and to physicist in 2005.

— Karen McNulty Walsh

Peptides Inhibit HIV Entry Into Cells

Protein analysis at the NSLS helps researchers in the design of new AIDS drugs

Based in part on protein structures determined at the National Synchrotron Light Source (NSLS), scientists at the University of Utah have developed new peptides that appear to be significantly more effective at blocking HIV's entry into cells than other drugs in their class. In a paper published online by the Proceedings of the National Academy of Sciences on the week of October 8, 2007, the researchers say these peptides are sufficiently potent to begin pre-clinical studies as a new class of agents for the prevention and treatment of HIV/AIDS.



Annie Heroux, Biology Department, at NSLS beamline X29

"Our 'D-peptides' offer several potential therapeutic advantages over existing peptide entry inhibitors, which are costly, require high-dose injections, and suffer from the emergence of drug resistance," said Utah biochemist Michael Kay, lead author on the paper. "In contrast, our D-peptides resist degradation, so they have the potential to be administered by mouth and last longer in the bloodstream. Since these inhibitors have a unique inhibitory mechanism, they should work well in combination with existing HIV inhibitors."

Co-authors on the paper were Brett Welch, Andrew VanDemark, and Christopher Hill, all of Utah, and Annie Heroux, BNL Biology Department. The research was funded by the National Institutes of Health (NIH), the University of Utah Technology Commercialization Project, and the American Cancer Society. Operational funding for the NSLS is provided by the Office of Basic Energy Sciences within DOE's Office of Science, and NIH.

(continued on page 2)

431st Brookhaven Lecture, 12/12

Robert Crease Talks on BNL History: 'Birth of the Relativistic Heavy Ion Collider'

Robert Crease, historian for BNL and Chair of the Philosophy Department at Stony Brook University (SBU), will give the 431st Brookhaven Lecture, titled "Recombinant Science: The Birth of the Relativistic Heavy Ion Collider," in Berkner Hall at 4 p.m. on Wednesday, December 12. This lecture follows on the 429th Brookhaven Lecture, given in October, in which Crease talked about the early history of BNL. Both lectures are part of the ongoing celebration of BNL's 60th anniversary year. Crease was recently named an American Physical Society fellow, cited for his extensive historical writings on physics at Brookhaven and elsewhere.

Imagine, Crease will say, a historian of science a century from now who looks back on BNL's history in the 1970s and 1980s. That person is sure to be baffled by the way the Lab started to build a proton-proton accelerator called ISABELLE,

with a daring and innovative new technology — and then abruptly changed course and built the Relativistic Heavy Ion Collider, RHIC, instead. Crease will explain what that historian will have to know to understand the astounding reversal. He will discuss the three elements that, in the early 1970s, made ISABELLE the logical next machine, the reasons for ISABELLE's termination, and the factors that made it possible to recreate it as a heavy ion collider — pioneering, in the process, a new branch of physics, research on the birth of the universe.

After earning a B.A. from Amherst College in 1976 and a Ph.D. from Columbia University in 1987, Crease joined the SBU faculty in 1987, and, in 1989, began working part-time as the historian for BNL. He has written ten books and numerous articles on the history and philosophy of science, including *Making Physics: A History of Brookhaven National Laboratory, 1946-1972* (University of Chicago Press,

1999), which covers the events and people that shaped the Lab during its first 25 years.

Crease is currently working on a sequel, which will cover the next 25 years of BNL's history, and he has written several historical articles about the Lab for the journal *Perspectives in Physics*. He wrote the entry for BNL's first accelerator project head, M. Stanley Livingston, in the forthcoming edition of the noted reference encyclopedia, *Dictionary of Scientific Biography*. Crease also frequently mentions BNL in his monthly column, called "Critical Point," in the international magazine, *Physics World*.

The talks are open to the public free of charge. Visitors to the Laboratory age 16 and over must bring a photo ID. Refreshments will be offered before and after the talk. To join the lecturer for dinner at an off-site restaurant after the talk, contact Liz Seubert, lseubert@bnl.gov or Ext. 2346. — Diane Greenberg



Robert Crease

Classified Ads (cont'd)

Furnishings & Appliances

AIR CONDITIONER - 12,000 BTU, used 1 mo, under warr., \$100/obo. 865-924-9172.
 BEDFRAME - metal, queen, \$25; bedspreads, full \$10, queen \$15; wafflemaker, Toaster, \$10; baking stone, \$10. Ext. 7647.
 COUCH - floral, \$300. 727-7227.
 COUCHES - 2, red microfiber, \$100/ea; Coffee tble, 2 end tpls, \$50/all 3. 286-8523.
 CRIB & CHANGING TABLE/DRESSER - like new, all wood, \$250/obo. 865-924-9172.
 CURIO - Ikea, light blond color, \$70 or b/o, pic avail. Ext. 5218 or 758-9875.
 ENTERTAINMENT CENTER - Two piece, w/ shelves, overhead lights, fits 36" TV, 2 corner shelf pieces, \$200. Pic avail. 286-8523.
 LOVESEAT - plum color, pic avail. \$300/obo Pamela, Ext. 5218 or 758-9875.
 OAK TABLE - antique, pedestal w/hidden ctr. leg, 6 ext. lvs., seats 12+; 8 matching chairs, \$850. 878-0898.
 REFRIGERATOR - Kenmore, bttn freezr, ice dispnsr, 20.5cu', \$500 neg; wall oven, convctn, built-in, 24x27" Gen Air, \$100; m/wave, P/sonic, blt-in, 24x27", \$50; sink w/br.-new Kohler faucets, \$50. 475-6548.
 WOOD HUTCH - cabinet w/1 long & 2 short drawers, country style top, pics avail., email mschwart@bnl.gov. Melanie, Ext. 5810.

Miscellaneous

CHRISTMAS TREE STAND - for lg. tree, has water basin, easy clean, \$25. Ext. 4340.
 DIAMOND NECKLACE - ZALES, Gold heart w/2 rows diamonds, gold chain, new in box, \$90, 4pic, mschwart@bnl.gov. Ext. 5810.
 GLASSES - European crystal, 41 yrs old, 11 water, 16 wine, \$50/all; Scrabble deluxe ed., never used, \$10. 281-8306.
 FERRETS (3) - lovable & playful, cage/supplies incl., \$100. 727-7227.
 HOOSIER CABINET - needs minor repairs, you transport, \$100/obo. Ext. 7134.
 MARILYN MONROE DOLL - Ltd Ed. Fur Fantasy 1993, 11 1/2", in box \$25. 395-6784.
 TYPEWRITER - manual, asking \$20/bo. Barbara, Ext. 3431.
 WEDDING DRESS - Size 10, cathedral train, straps, off-white, "W1", \$250. Ext. 3621.

Happenings

CRAFT FAIR - Amanda Mae's Miracles Can Happen Benefit Craft Fair at Popei's in Coram, Dec 9, 11am-3pm. Melanie, Ext. 5810.
 PROGRESSIVE ROCK - at H On The Harbor, Pt Washington, Fri, 1/11/08. See <http://www.afterlifeband.com/>.

Free

KITTENS - 2 males, 7 mos old, 1 black, 1 striped, neutered, all shots, house trained, need homes. Barbara, 928-8112.

Wanted

CELL PHONE, VERIZON - Ext. 3362.
 CLOTHING - Women's size 3X warm winter coat, etc. 589-0277.
 COMPUTER MOUSE - new or used. Thanks! Huan. Ext. 3829.
 FINCH - recently widowed, Society Finch seeks partner to join her. Ext. 5322.
 GIFT TAGS, WRAPPING PAPER, & VOLUNTEERS TO WRAP - all needed for the United Way Gift Wrapping, Dec 18-21, 11:30 a.m.-2 p.m. Joanne, Ext. 8481.
 GPS - GROUND POSITIONING SYSTEM - in gd working order, auto or hand-held. Ext. 5475 or 375-2680.
 JOGGING STYLE STROLLER - in safe working order, free or b/o. Karen, Ext. 7151.
 SINGLES - to join our new social club. Great turnout last month. Next meet is Fri, 12/14 @ 5pm @ Center Club. Kim, Ext. 7465.

For Rent

BROOKHAVEN - rm. in house on quiet acre, 9 mi. to Lab, cable TV, int., cac, w/d, use of house, util incl. \$475/mo. 286-4028.
 CENTEREACH - 1 bdrm grd level, pvt ent., 1/2 kit cmbd, new carpet & appl, no pets/smkg, util. incl. except cable, \$875/mo. Ext. 7277.
 JAMESPORT - priv. vineyard, 900 sq ft, atch cottage, 1 bd, 1 ba, 1/2 w/fireplace, kit w/ stove/dw/refrig; screen porch, cac, elec. incl. \$1,300/mo. 722-5142.
 MOUNT SINAI - lux condo 55+ gated sec., situ on pond, 2 br, 2 bath, full bsmt, gar, f/p, ca, rent + util. \$2,000/mo. 751-4421.
 ROCKY POINT - 1 lg. bdrm, 1 bath, lg l/r, kit., lg closets, patio, \$1,100/mo., util. incl. \$1,100/mo./neg. 593-4561.
 SHIRLEY - 1 rm, m/wave kitnet, furn, full bath, sep ent, tv, elect, heat, wireless int. incl., 1 mo. sec., no smkg/pets, 5 min to stores, \$600/mo. Ext. 8321.
 SHOREHAM - Share house w/profsnl, pt furn. bdrms, 7 mi. to Lab, int./tv incl., no smkg/pets, sgle pref. \$600/mo. 744-3543.
 WADING RIVER - 2 bdrm, 1 bath, house, full bsmt, priv. beach ohw, ww, w/d, SWRSD, incl. all \$1,650/mo. 821-5334.
 CLEARWATER, FL - 2 bdrm condo, 1.5 bath, seasonal/yr. round. 289-5674.
 BINGHAM, ME - new fully equip. cabin, 5 wooded acres, visit cyber rentals w/site: Go to Maine, Kennebec, wyman Lake property # 175556 \$600/wk./neg. 281-3706.

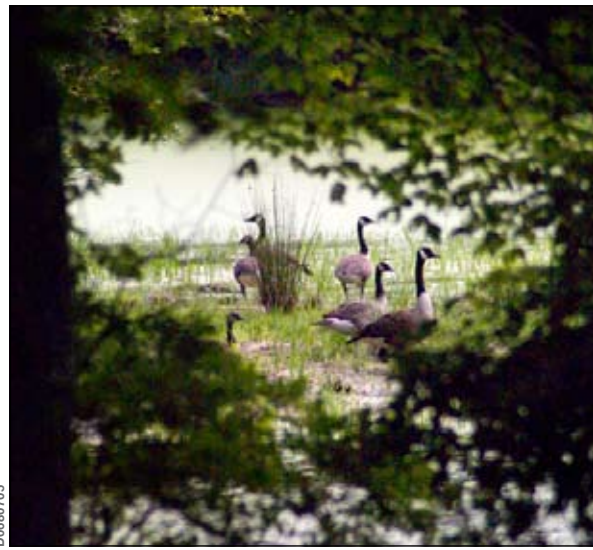
For Sale

EAST MORICHES - ranch, 3 bdrm, 2.5 bth, 1/2, cath. ceil, f/p, tile, radiant heat, fin. bsmt, covrd porch, patio, .5 acre, landscaped, cul-de-sac. \$415,000/neg. 882-0519.
 FARMINGVILLE - cust. ranch, 3br, 2 bath, 2.5 gar. cac, alarm, igp, igs. FSBO. \$474,900/neg. 516-906-3348.
 RIDGE - Just over 1 acre, opp. land protected by county, all bldg. permits are in place, 5 min. to Lab. \$255,000/neg. 286-2594.
 Regrettably, some ads are omitted. A complete list is on p. 5 of the homepage pdf of The Bulletin, or call Liz Seubert, Ext. 2346.

Then & Now: Sharing Upton Site



D0260705



D0260705



D0760506



D0880506



D0460905



D0760506



D0350207



D1870705



D2750507

Photos by Roger Stoutenburgh

Geese, turkeys, and deer, with the accent on the geese and turkeys, are the highest profile "wild things" that BNLers see and sometimes bump into on site these days. In 1947 and for some decades beyond, incoming Lab employees found many types of birds (such as the ducks and egret in the photos), groundhogs, toads, spiders, etc., and some deer. By 1967, the estimated deer count was about 260. The count has risen and fallen over the years — at present, roughly 400 deer compete for food and shelter at Upton.

The latest newcomers, geese and turkeys, are now integral with the BNL landscape. Canada geese on site number about 157, according to the counts made — there seem to be more! Time was, they flew by yearly on the way to breeding grounds in the south. Then they read



D2630404



D0760705

the tourist ads and broke the journey for a few days on the Island. Now, dedicated residents, they seem willing to put up with snow so that they can nest and enjoy the seasons right here on site.

Wild turkeys, introduced to the Island by New York State wildlife conservationists at key locations that did not include the

Lab, soon showed their native intelligence and went walkabout to reach the haven of BNL. Now, about 300 are estimated to rove the site, taking their appointed daily promenades in small groups. Quietly, they sleep in trees, nurture their young, and add to the country atmosphere that is appreciated by many at BNL.

— Liz Seubert

Peptides Inhibit HIV Entry Into Cells (cont'd)

The researchers were particularly interested in developing drugs to bind to an essential "pocket" structure found in all HIV strains that was previously identified as a promising drug target using structures determined at Brookhaven's NSLS. Numerous previous attempts to target this pocket failed to produce potent and non-toxic pocket-specific entry inhibitors. In the current work, the researchers used a high-throughput technique to screen a "library" containing hundreds of millions of peptides to identify the rare peptides that would bind to the pocket structure and inhibit HIV entry.

After identifying the most promising candidate peptides, the researchers analyzed the structure of these peptides bound to the target protein using x-ray

crystallography at the NSLS. In this technique, researchers analyze how an extremely bright beam of x-rays, available only at synchrotron sources, bounces off and is refracted by the sample to determine the positions of individual atoms.

"These structures reveal details of how the peptides bind and guide the development of future inhibitors," said paper co-author Annie Heroux, a BNL biologist and crystallography specialist.

This structure-assisted design led to the discovery of D-peptides with up to a 40,000-fold improved antiviral potency over previously reported D-peptides. The structures also suggest ways to engineer the peptides to reduce the chance of drug resistance.

— Karen McNulty Walsh

New Weight Management Program

Employees have expressed interest in the possibility of BNL's launching a focused and comprehensive program for weight management. After considerable research on the available systems, the Health Promotion Program (HPP) has decided to launch a pilot program that is backed by research and results.

This intensive, structured, 12-week series is based on the LEARN® Program for Weight Management, and includes sessions on issues related to lifestyle, exercise, attitudes, relationships and nutrition.

"We are now organizing a pilot program that will be limited to 30 participants," said Michael Thorn, HPP manager. "If the program is successful, we will expand it for the next series."

The program includes lab tests, body composition measurements, a confidential session with the Employee Assistance Program, blood pressure and other relevant health assessments before and at the end of the program. Participants must be at least 20 lbs. overweight, must not have attended WeightWatchers in the past year, and must commit to participating in the weekly sessions and maintaining detailed food and exercise logs.

A \$30 sign-up fee covers all program materials. A program information session will be held on January 10. For further information, contact Michael Thorn at Ext. 8612.

BNL United Way Fund Gets Growing

"This year's United Way Fund Drive is growing well, we have over \$90,000 in pledges already, and we are hoping for more," says Ken White of the Office of Educational Programs (OEP), this year's United Way Campaign Chair. As usual, pledge forms were sent to all employees and this year's goal is to have at least 500 pledge forms returned.

Win Air Trip for Two!

To help support this effort, says Campaign Co-chair Kathy Gurski of OEP, a new pledge incentive of round-trip airline tickets for two within the Continental U.S., compliments of Omega Travel, has been added. Pledge forms received between 11/13 and 12/9 will be entered for a drawing for this exciting contribution.

Other creative ways have been found to build up the fund. Chuck Schuster of the Plant Engineering Division and Chuck LaScalla of the Emergency Services Division led division members in a magnificent car-wash effort, ensuring that many BNLers left site with gleaming vehicles.

The carwash made \$433, and the 30 volunteer hours donated by BNL staff were recognized by the Volunteer Work Program (see below), in which BSA gives \$20 for each hour of volunteer work by an employee in the program. "So the total for the United Way came to \$1,033," said Schuster. "We were pleased to help."

Another creative way of fundraising was the homemade breakfast held by White, Gurski, and other OEP members. All who sampled the delectable pancakes, omelettes, hash browns, cranberry cake, and fruit salad, ate very little more for the rest of the day!

More United Way Fundraiser Events

Until 12/3 **Volunteer Work Program.** Contact: Maria Beckman, Ext. 5463, beckman@bnl.gov; or Mary Campbell, Ext. 3927, maryc@bnl.gov.

12/14 **International Food Tasting,** Recreation Hall, noon-1:30 p.m. Tickets, \$10. Contact Jennifer Lynch, Ext. 4894, jlynch@bnl.gov.

12/18-21 ... **Holiday Gift Wrapping,** Berkner Hall, 11 a.m.-2 p.m. Bring your gifts to be wrapped for a small fee. (Gift paper & wrappers are needed — contact Joanne Rula, Ext. 8481, if you are available, or to make a donation.)

BNL United Way website: <http://intranet.bnl.gov/unitedway/>.



Chuck Schuster, Plant Engineering Division, and Chuck LaScalla, Emergency Services Division, led a successful car-wash effort.



Ken White and Kathy Gurski and other OEP members cooked up a storm for hungry breakfast hunters.

Employee Lunchtime Tour: Historical BNL, 12/14

On Friday, December 14, Mark Davis (at right, in a training trench), Cultural Manager of the Brookhaven site, will lead an Employee Lunchtime Tour to some historical sites of Camp Upton, World War I through World War II. In addition, Davis will show and explain the history of several of the Lab's earliest scientific facilities. All the Lab community is welcome. Meet the group at the reception desk in Berkner Hall lobby at noon to be taken on the tour. For more information, call Ext. 2400.



Joseph Rubino D1190406

Defensive Driving Course: Two Parts, 12/13, 12/20

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on consecutive Thursday nights: 12/13 and 12/20, in the Brookhaven Center South Room, 6 p.m. - 9:15 p.m., at \$38 per person. Preregistration is required: call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

Bus Trip to NYC, 12/16

The two buses to NYC, 12/16, at \$10 /adult, are full. To join a wait list (a long shot), contact Joanne Rula, Ext. 8481 or jrula@bnl.

Buy Science-Based Gifts Today: 12/7, & 14, 21

The Science Learning Center Gift Shop has fun, unique science-based gifts for BNL employees, families, and guests to buy in the Science Learning Center (previously called the Science Museum), Bldg. 935, on three Fridays: December 7, 14, and 21, noon-2 p.m.

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday and Wednesday, December 18 and 19, to answer employees' questions about their financial matters. The consultant will help you: understand the importance of protecting assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, compare lifetime income vs. cash withdrawal options. For an appointment, call Suzanne Leone, (866) 842-2053, Ext. 4601.

Hospitality Holiday Pot Luck Dinner, 12/9

All are welcome this Sunday, December 9, to the Hospitality Pot Luck Holiday Dinner, at 4 p.m. in the Recreation Hall. Bring a side dish to share: Hospitality will supply holiday ham for dinner. Santa will visit, and children will each get a holiday gift. Call Ext. 5090 to say that you will be coming and how many children will attend.

Social & Cultural Club Christmas Party, 12/14

A great evening is in store for Friday, December 14, 8:30-11:30 p.m., at the North Ballroom of the Brookhaven Center, where the BERA Social & Cultural Club will celebrate Christmas and the holiday season. The 20-piece "Bill Wilkinson & the Long Island Sound Orchestra" will provide the dance music. A half-hour beginner swing dance lesson will be given at 8 p.m. After the live performance, an extra half-hour of dance music will be played by a Digital-DJ until midnight. The event is

open to the public; all visitors of age 16 and over must bring a photo ID. Tickets are sold at the BERA Store, at \$25, if paid by 12/7; \$30 by e-mail reservation, and \$35 at the door, if available. Only 200 tickets will be sold. The cost includes a cold hero buffet, cookies, refreshments, and the entertainment. ASAP members have a 50 percent discount. Optional formal attire, black tie, or simply Dress-to-Impress! Contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov for more information.

Donate a New Toy for Needy Local Children

Please drop new toys at BERA Store or Bldg. 400. Thank you.

Dave Rahm Fest, 12/18

All are invited to honor David Rahm at his 80th Birthday Symposium, 2 p.m., Tuesday, 12/18, in the Physics Department Large Seminar Room. Speakers will include Sam Aronson, Robert Palmer, Veljko Radeka, Nicolas Samios, and Bill Willis. For more information, contact Linda Feierabend, Ext. 4887 or feierabe@bnl.gov.

Intro to Weather: SCCC Course Offered on Site

Suffolk County Community College (SCCC) course will offer the following course on site for the spring 2008 semester that will satisfy requirements for most SCCC degrees as a science elective. A minimum of 15 students is needed to run the course.

ES17 - Introduction to Weather (Prerequisite: MA07 or equivalent) - 4 credits
Introduction to elements and energies that are basic processes described as weather. Basic principles such as temperature, pressure, density, humidity and air movement are studied to provide a basis for understanding long and short range forecasting, including severe weather phenomena such as hurricanes, tornadoes, and storms.

BNL offers tuition advances or reimbursements at 75 percent for undergraduate courses. Contact Starr Munson, munson@bnl.gov or Ext. 7631.

CIGNA Representative

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

CALENDAR

— THIS WEEKEND —

Friday, 12/7

***Buy Science-Based Gifts**
Noon-2 p.m. The Lab community is welcome to buy gifts at the Science Learning Center, Bldg. 935.

BERA Holiday Party

6-11 p.m. Tall Grass Country Club, Shoreham.

Sunday, 12/9

Hospitality Pot-Luck Party

4 p.m. Recreation Hall. Holiday ham supplied, bring a side dish to share. Santa will visit with gifts. Call Ext. 5090 to say how many children will attend. See notice below, left.

— WEEK OF 12/10 —

Wednesday, 12/12

Verizon Wireless Service Info

11 a.m.-2 p.m. Verizon Wireless representative will give information on specials available to BNL employees, e.g., 15 % discount on monthly charge, 25% on accessories. Contact Mavi Baig, 917-881-2748.

*BSA Noon Recital

Noon. Berkner Hall. Stony Brook Opera performs excerpts from Bellini's *I Capuleti ed i Montecchi*, based on Romeo and Juliet. All are welcome to this free concert, sponsored by BSA. Visitors to the Lab of 16 and over must carry a photo ID. See p. 4.

*431st Brookhaven Lecture: BNL

RHC History by Robert Crease
4 p.m. Berkner Hall. "Recombinant Science: The Birth of the Relativistic Heavy Ion Collider," is the topic of Lab Historian Robert Crease, Chair of Stony Brook University's Department of Philosophy. See p. 1. All are welcome. Visitors to the Lab of 16 and over must carry a photo ID.

Thursday, 12/13

*Collecting for Homeless Vets

11 a.m.-1:30 p.m. Berkner Hall lobby. Please donate gently used men's clothing, cash, non-perishable food, or men's toiletries for a shelter for homeless veterans in Yaphank. See p. 4.

*Defensive Driving, Part I

6-9:15 p.m. Brookhaven Center South Room. \$38/person. Part II will be on 12/20. Preregistration required. Call Ed Sierra, 821-1013, leave message w/your phone no.

Friday, 12/14

International Food Tasting

Noon. Recreation Hall. To benefit the United Way. Tickets, \$10. Jennifer Lynch, Ext. 4894 or jlynch@bnl.gov.

*Buy Science-Based Gifts

Noon-2 p.m. The Lab community is welcome to buy gifts at the Science Learning Center, Bldg. 935.

*Social & Cultural Club Party

8 p.m.-midnight. Brookhaven Center. Live dance music by Bill Wilkinson & the L.I. Sound Orchestra. See notice at left.

— WEEK OF 12/17 —

Tuesday, 12/18

*Dave Rahm Fest

2 p.m. Large Seminar Room, Bldg. 510. See notice at left.

Tues.-Thurs, 12/18-21

*Holiday Gift Wrapping for U. Way

11 a.m.-2 p.m. Berkner Hall lobby. Bring gifts to be wrapped for small fee. Donations of gift paper, ribbon, and time to help wrap much appreciated. Joanne Rula, Ext. 8481.

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.

Book Fair, 12/20

A BERA Book Fair will take place on Thursday, December 20, in Berkner Hall Lobby, 10 a.m.-2 p.m., with a range of best-selling books for adults and children.

Dial 2350 for Santa

For the 25th consecutive year, Santa Claus (who, this year, doubles as Firefighter Mike Hickey when he is not out on his sleigh delivering presents) and his "Elf" will be coming to Upton town — to wish everyone happy holidays and to distribute candy canes and good cheer.

On Monday, December 24, Santa and his elf will make their rounds of BNL's offices, labs, and shops from 9 a.m. to noon. To have Santa and his merry crew visit your workplace at a specified time, call the North Pole, Ext. 2350.

Arrivals & Departures

— Arrivals —

Yong Cai..... NSLS II
Xianrong Huang..... NSLS II
James Pryor..... Physics
Dario Stacchiola..... Chemistry

— Departures —

Patricia Hein Biology
Igor Pavlishin Physics
Ronald Yuhas..... ITD



ERAP: Employee Referral Award Program What is ERAP and how does it work?

Many of us look at the open job listings or Placement Notices on the back of the Bulletin or on the Lab's website. Sometimes we look just because we are curious, sometimes because we are considering transferring to a new position.

But did you ever notice that some job listings are followed by the acronym ERAP? (See third job from last, below, at right.) ERAP stands for Employee Referral Award Program. ERAP is a program that rewards an employee with either \$500 or \$1,000, according to the job, if the employee refers someone to fill an open job position at the Lab that has been deemed ERAP eligible.



ERAP
awardee
Mike Lafky

Joseph Rubino 0116107

One employee, Mike Lafky of the Collider-Accelerator Department (C-AD), recently noticed a job opening for a control room operator in C-AD. The notice included the ERAP notation. Lafky, who moved to Long Island to take the job at the Lab, graduated from Northern Arizona University with a B.S. in physics and astronomy. He has been working in C-AD's control room for about 18 months. Lafky had a college roommate who graduated with the same credentials, so he contacted his friend and asked if he would be interested in joining the BNL team of control room operators. Once his friend had said yes, Lafky completed the appropriate ERAP form and submitted it to Human Resources. His friend got the job.

Said Lafky, "I knew my college buddy would be a great asset to the control room staff and I'm happy he has joined our team. It's a triple-play: my friend landed the job, I received the ERAP award, and the Lab hired a first-rate employee."

Nancy Sobrito, Employment Manager in the Human Resources & Occupational Medicine (HROM) Division, agrees with Lafky.

"With the anticipated increase in hiring for the NSLS-II project, we expect that many employees may be eligible to participate in ERAP. This program, used by many large corporations, is recognized as one of the most powerful recruiting tools available. We get first-hand references for prospective new employees, and can award our existing employees at the same time," she said. — Jane Koropsak

Am I Eligible?

Employees eligible to participate in the ERAP must be active, full-time or part-time employees, or employees who are on an authorized leave of absence at the time of the award. Exempt-level employees who work in the HROM Division are not eligible.

How does ERAP work?

When a new job is posted, the HROM Division and the hiring department/division determine if the position is suited for the Employee Referral Award Program. Current employees or Lab retirees may not be referred. Former employees may be referred if they have not been actively employed at the Lab for at least one year. Referrals for term positions are only eligible if the employment term is one year or longer. Determination of eligibility may also be at the discretion of the hiring department or division. Referrals for management positions, scientific staff, temporary, contract labor, and student positions are not eligible for the award.

Once the position is deemed eligible for ERAP, it is posted in the Bulletin and on the HROM website with the amount of the potential award. The referring employee must complete the Employee Referral Award Program Form and attach the form to the applicant's resume or application. The referring employee must be the first to identify the candidate to the HROM Division.

An award of \$1,000 is available for the referral and hire of an exempt level position, and an award of \$500 is available for the referral and hire of a non-exempt position. Funds for the award are charged to the hiring department/division and payments are made to the referring employee after the candidate has completed 90 days of employment.

For more information on ERAP go to: https://sbms.bnl.gov/sbmsearch/subjarea/49/49_Pro7.cfm or call Nancy Sobrito, Ext. 7996.

Classified Advertisements

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

TECHNICAL ASSOCIATE I/ASSISTANT BUILDING MANAGER (T-5, reposting of position in 11/30/07 Bulletin that was mistakenly posted under Open Recruitment) - Requires a bachelor's degree or equivalent acquired through considerable training and experience in a technical or professional field and demonstrated responsible technical leadership with a minimum of eight years' relevant experience. Familiarity with all phases of physical plant operations along with proven experience in overseeing coordination of tasks within a scientific research environment is required. Will provide support to established work planning programs and site specific building training as required. Familiarity with BNL Safety Policies and ES&H standards a plus, as

selected candidate will work closely with NSLS-II ES&H Staff. Prior experience interfacing with project staff, bargaining unit labor and Plant Engineering supervisory personnel, as well as various contractors and vendors to achieve compliance with BNL's infrastructure-related SBMS and work-control program requirements is highly desirable. Must possess strong people skills, excellent oral and written communication skills and the ability to work as part of a team in a fast-paced environment. Will report to the Facilities Manager for the National Synchrotron Light Source II Project and will serve as the Assistant Building Manager. Send resume to nsls2jobs@bnl.gov referring to Position No. TB4890.

SENIOR PROCUREMENT & PROPERTY MANAGEMENT CLERK (reposting) - Under minimum supervision, assists supervisor in all clerical aspects of the operation of a subdivision of the central stores facilities. Performs diversified clerical duties requiring an extensive knowledge of a specialized field of business. Responsible for coordinating, scheduling, assigning, in-

BSA Noon Recital, 12/12

Stony Brook Opera: Excerpts from Bellini's 'I Capuleti ed i Montecchi'

On Wednesday, December 12, at noon in Berkner Hall, Stony Brook Opera will present excerpts from Bellini's opera *I Capuleti ed i Montecchi*, which is based on the story of Romeo and Juliet. Sponsored by Brookhaven Science Associates, the company that manages Brookhaven Lab, the concert is free and open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

The opera is scored for only five characters and includes glorious melodies. All of Act I and the final scene of Act II will be presented from David Lawton's abridged version of the



opera and will be sung in the original Italian, with projected titles in English.

The singers are advanced graduate students in the Department of Music at Stony Brook University. They will perform from memory and move on stage just as they would in a full production, but there will be no sets or costumes, allowing the singers and the audience to focus completely on the music, the words, and the acting. The accompanying pianists are advanced doctoral students. The performance is conducted by Jeffrey Francom and directed by Andrew Frank.

structing, and checking work performed by other employees in the section when it pertains to clerical effort. Responsible for maintaining contacts with staff members of the Laboratory. Typical duties, requiring full familiarity with operations and functions involved, include preparation of statistical reports; analysis of reports, trends and surveys as required; designing special forms; and aiding in the establishment of office systems. Forward transfer request to Diana Hubert in Human Resources, Bldg. 400B, referring to Position No. DH 4384.

TECHNICAL ASSOCIATE I (T-5) (2 positions) - Requires an AAS or technical institute degree in an appropriate discipline, considerable job-related training and at least eight years' related experience; BS degree desirable. Experience with the following is essential: vacuum systems/leak-testing, compressed gases/cryogenic fluids (including pyrophorics and toxics), materials-handling equipment, fabrication and assembly of experimental equipment, internal and external ordering, the keeping of maintenance records, and interfacing with vendors, contractors and external users. Must be self-motivated, able to work with minimum supervision, and have good communication skills. Will provide electrical and mechanical support for set up and operations of experiments. May direct and coordinate the work efforts of other technical support personnel on specific assignments. Additional responsibilities will include trouble-shooting and maintenance of technical equipment. Center for Functional Nanomaterials. Send resume to tmorton@bnl.gov, referring to Position No. TM4106.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics or a related discipline. Experience in both synchrotron based x-ray scattering and x-ray spectroscopy is essential. Successful candidate will participate in a number of materials physics projects, including high-temperature sensors, thin film magnetism, as well as development of novel x-ray methods. Under the direction of C. C. Kao, National Synchrotron Light Source Department. Send CV to felicia@bnl.gov referring to Position No. FH 4525.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics or materials science with a strong background in solid state physics. Successful candidate will conduct theoretical research using Density Functional Theory on electronic structure of energy related complex oxides. The research will be conducted within the electron microscopy group to help experimentalists interpret their observations (including high-resolution imaging, electron diffraction, energy-loss spectroscopy, and electron holography), and provide insight into the understanding of functionality of the materials and guidance to new experiments. Under the direction of Y. Zhu, Condensed Matter Physics & Materials Science Department. Send CV to felicia@bnl.gov referring to Position No. FH 4598.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in biochemistry, structural biology, chemistry, or physics. Experience in macromolecular crystallography and/or synchrotron x-ray sources is desired. The prospective candidate must be able to interact with a diverse group of scientists and engineers within the PXRR group (www.px.nsls.bnl.gov), as well as work independently. The project will be to develop novel methods for microcrystal structure determination at the National Synchrotron Light Source (NSLS) and NSLS-II, the new synchrotron light source that is being created at BNL during the next five to seven years. The PXRR group conducts research, technology development, operations, and training at six beamlines (X8, X12b, X12c, X25, X26c, X29) at the NSLS. Under the direction of A.M. Orville, Biology Department. Send CV to felicia@bnl.gov referring to Position No. FH 4835.

PROJECT ENGINEER I/ENERGY MANAGEMENT (P-9) - Requires a BS degree

in an engineering discipline, or equivalent, and ten years' related experience that includes at least five years' experience in implementing large corporate or institutional energy management programs. The ideal candidate will have an in-depth knowledge of energy systems, energy management controls, energy conservation technologies, metering systems, and engineering economics and cost estimating. Effective presentation and communication skills are necessary. Familiarity with Energy Savings Performance Contracts is a plus. A professional engineering license, project management experience, and familiarity with Microsoft Access and Sequel Server are desirable. Responsible for developing energy conservation opportunities, coordinating the implementation of these projects, monitoring utility services and opportunities, coordinating implementation of these projects, monitoring utility services and related regulatory action, assisting with coordination and scheduling of electric loads both internally and with the supplying utilities, and assist with managing and extensive internal metering and billing system and implementing demand-side management programs. Plant Engineering Division. Send resume to tmorton@bnl.gov, referring to Position No. TM4880. (ERAP eligible, \$1,000)

ADMINISTRATIVE SECRETARY (A-2) - Requires a high school diploma with formal secretarial or office administration training or equivalent, plus four years (preferably with one year at BNL) of relevant experience or a BA in a related field. Excellent oral and written communication skills are required, as is knowledge of MS Word, Out-

look, PowerPoint and significant experience with Excel and Access. Knowledge of MS Front Page or other web publishing software and the BNL Assessment Tracking System (ATS) is desirable. Experience with PeopleSoft is highly desirable. Will be responsible for providing administrative support to the Energy, Environment & National Security Directorate Research Operations Office. Will provide input to databases for tracking and trending of ESH data and corrective actions. Will serve as an alternate property manager for the EENS Directorate and Assessment Tracking System Administrator for the EENS Family ATS. Will utilize Laboratory financial systems, will order and account for materials, equipment, supplies, arrange for travel and services in support of the Research Operations Office. Research Operations Office Directorate. Send resume to dianah@bnl.gov referring to Position No. DH4820.

SR. SECRETARY (CW-3) - Requires a high school diploma and some specialized training, plus a minimum of three years' relevant work experience. Expertise in providing administrative support to include performing complex secretarial tasks and office functions is required, as are excellent word processing skills, and computer proficiency in MS Word, Excel, Access, PowerPoint, and Outlook. Experience in PeopleSoft is highly desirable. Will provide input to database for tracking projects/activities and proposal submission information; distribution of monthly reports, scheduling meetings, maintenance of files, records inventory, and ordering of office supplies. Research Operations Office Directorate. Send resume to dianah@bnl.gov, referring to Position No. DH4818.

ATTENTION: Homeless Veterans Need Your Help Veterans for Veterans "1 - 1 - 1" Event, 12/13

On Thursday, 12/13, 11 a.m.-1:30 p.m., please bring to Berkner:

- 1 — Gently used item of MEN'S clothing
- 1 — Dollar donation
- 1 — Non-perishable food or MEN'S toiletry

All items collected will benefit a homeless veterans' shelter in Yaphank, run by Suffolk County United Veterans. The BNL Veterans Association members will transport all items to the shelter. They ask that you "go through your closets with a big open heart." More than one of any items requested would be even better, if you can manage it. Cash donations will go toward adopt-a-shelter or adopt-a-house where the homeless veterans live. For more details, see www.scuv.org. Suggested items to bring are:

Winter coats, hats, gloves, scarves
Gently used suits, ties and dress shirts (to go on an interview)
Sweatpants, sweatshirts, t-shirts, jeans, white athletic socks, sneakers
Paper plates, paper cups, napkins, toilet paper, paper towels
Wind up alarm clocks, lamps
Men's socks, underwear, t-shirts — new, please
Canned goods and non-perishable foods
Razors, shaving cream, toothbrushes and paste, shampoo, soap
Books: Self Help/Motivational, Health/Diet, cookbooks
Pillows, towels, washcloths
Twin size: sheets, pillow cases, blankets, mattress covers
Also needed: large items (to be picked up at a later date), such as microwave oven (heavy duty), refrigerator/freezer/stove, TVs, DVDs, VCRs, dressers, nightstands.

Motor Vehicles & Supplies

04 HONDA CIVIC EX - 36 mpg, 5spd, blk, gray int, all pwr, abs, ac, c/c, sunrf, cd, alloys/ Michlin, hwy. mi. 45K mi. \$12,900. Ext. 5195.
03 NISSAN 350Z - 5spd a/t w/manual, a/c, Bose am/fm, c/c, full pwr, htd seats, alarm, low mi., 31K mi. \$22,000/neg. Ext. 4599.
01 FORD FOCUS - 4cyl. 4dr. a/c, a/t, am/fm.cass. 6cd changer, new tires & brakes, runs v. well. 84K mi. \$4,200. 516-449-1623.
00 FORD EXPEDITION - dk. blue, 5.4 L, awd/4wd, 3rd seat, leather, 6cd, trailer pkg, rem str, keyless ent, rear a/c 134K mi. \$7,450/neg. Ext. 7277.
98 DODGE CARAVAN - 4 dr, captain middle seats, upgrd stereo syst, 3.3 6 cyl a/t, all pwr. 144K mi. \$3,695/neg. 252-7333.
98 PONTIAC BONNEVILLE SE - gd. cond., 6cyl, auto, ac,pwr win/drs, new tires, new trany. \$3,000/neg. Ron, Ext. 2189.

97 SAAB 900 S - Mech brkdw ins incl. scheduling interviews for privilege of ownership 199K mi. \$1,498. Omar, Ext. 2656.
97 SAAB 900SE - 4cyl turbo, a/t, fwd, hbk, htd leather seats, beige, anti-theft, etc. 80K mi. \$4,400/neg. 473-2473.
96 HONDA CIVIC EX - gd. cond./gas mi., green, 4dr., a/t, p/s, ABS,AM/FM,a/c,cass., rem str, alarm, m/roof. 166K mi. \$3,675/neg. 751-1224.
93 TOYOTA COROLLA - manual trans., red, gd. cond., new tires/brakes, 35+ MPG, 168K mi. \$750/neg. Ext. 3930.
90 PONTIAC FIREBIRD - V6, a/t, am/fm/cd, T-tops, custom paint, runs well. \$1,500. 727-7227.
90 PLYMOUTH LASER - great station car, 25+ mpg. \$1,100/neg. Henry, Ext. 3868.

(continued on page 2)

the Bulletin

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Liz Seubert, editor
John Galvin, reporter
Roger Stoutenburgh, photographer

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Bldg. 134, P.O. Box 5000
Upton, NY 11973-5000
phone: (631) 344-2345
fax: (631) 344-3368
e-mail: bulletin@bnl.gov

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TRAILER BALL MOUNT - for Draw-Tite hitch; 3-bike carrier to fit Draw-Tite hitch, \$100/OBO. Christine, Ext. 7134.

Furnishings & Appliances

AIR CONDITIONER - 12,000 BTU, used 1 mo, still in box, under warr., perfect for apt, \$100/ obo. 865-924-9172.

BEDFRAME - metal, queen, \$25; bedspreads, full \$10 ea/queen \$15; wafflemaker, Toast-master, \$10; baking stone, \$10. Ext. 7647.

COUCH - floral pattern, great cond., \$300. 727-7227.

COUCHES - Two, red microfiber, gd cond., \$100/ea; Coffee table w/2 end tables, blond wood \$50/all 3. 286-8523.

CRIB & CHANGING TABLE/DRESSER - like new, all wood, light green and natural, beautiful, \$250/obo. 865-924-9172.

CURIO - Ikea, light blonde color, \$70 or b/o, pic avail. Ext. 5218 or 758-9875.

ENTERTAINMENT CENTER - Two piece, w/ shelves, overhead lights, fits 36" TV, 2 corner shelf pieces, \$200. Pic avail. 286-8523.

LOVESEAT - plum color, pic avail. \$300/ obo Pamela, Ext. 5218 or 758-9875.

OAK TABLE - antique, pedestal w/hidden ctr. leg, 6 ext. lvs., seats 12+; 8 matching chairs, \$850. 878-0898.

REFRIGERATOR - Kenmore, btmm freezr, ice dispnsr, 20.5cu', \$500 neg; wall oven, convctn, built-in, blk, 24x27" Gen Air, \$100; microwave, P/sonic, bit-in, blk, 24x27", \$50; sink w/br-new Kohler faucets, \$50. All vg cond., just got new kitchn. 475-6548.

WOOD HUTCH - cabinet w/1 long & 2 short drawers, country style top, pics avail., email mschwart@bnl.gov. Melanie, Ext. 5810.

Audio, Video & Computers

21" RCA TV - Flat Screen CRT Color, 2007 make, price \$60, neg. 942-7544.

CELL PHONE - Motorola Razor, used 4 mo., excel. cond., gun metal color, charger incl., \$50. 849-2382.

HD DVD - 300, \$15. Ext. 5322.

PIONEER AVIC-N3 CAR GPS SYSTEM - DVD Navigation System 6 1/2 in. touch screen, plays DVD, Mp3, Ipod, voice control ready., ask/\$600. 885-2611.

PORTABLE PRINTER - Color, Canon BJC-85 w/ software/cable, excel. cond., \$200. Ext. 3217.

SLIDE SCANNING SERVICE - www.pictureperfectscans.com scans slides, prints, negatives & restores them to their orig. glory, delivered on DVD, music slide-shows avail. Dianne, 928-6469.

SYNTHESIZER - MIDI rack module, orchestral and other sounds, Korg M3R, sim. to M1, papers incl., \$100. Ext. 3621.

Sports, Hobbies & Pets

4 IN 1 GAME TABLE - excel. cond., 1 yr. old air hockey, pool, table, tennis ftball ask/\$125. Robert, Ext. 4867 or 278-2192.

CELLO - excel. cond., German-made c1950, nice sound, w/new case, \$5,700. Ext. 4475.

FERRETS (3) - lovable & playful, cage/ supplies incl., \$100. 727-7227.

GO-CART - Manco, 5hp, 2 seater, padded cage, Knobby Tires, vg cond., \$300. John, Ext. 5409.

WEIGHTLIFTING SETS - Challenger, 2x15, 10, 8, 5. Dumbbells 3, 8 incl. \$50/ all. 878-0898.

Tools, House & Garden

CHRISTMAS TREE STAND - for lg tree, has water basin, easy to clean, \$25. Ext. 4340.

Miscellaneous

DIAMOND NECKLACE - ZALES, Gold heart w/2 rows diamonds, gold chain, new in box, \$90, 4pic, mschwart@bnl.gov. Ext. 5810.

GLASSES - European crystal, 41 yrs old, 11 water, 16 wine, \$50/all; Scrabble deluxe ed., never used, \$10. Ext. 3051 or 281-8306.

HOOSIER CABINET - needs minor repairs, you transport, \$100/obo. Ext. 7134.

MARILYN MONROE DOLL - Limited Ed. Collector Series, Fur Fantasy 1993 doll, 11 1/2", mint in box \$25. 395-6784.

TYPEWRITER - manual, ask, \$20/bo. Barbara, Ext. 3431.

WEDDING DRESS - Size 10, cathedral train, straps, off-white, "W1" brand, \$250. Ext. 3621.

Happenings

CRAFT FAIR - Amanda Mae's Miracles Can Happen Benefit Craft Fair at Popei's in Coram, Dec 9, 11am-3pm. Melanie, Ext. 5810.

PROGRESSIVE ROCK - at H On The Harbor, Pt Washington, Fri, 1/11/08. BNL fans are invited to 'an intimate evening with AFTERLIFE' - with your favorite prog rock music, up close & personal. See www.Afterlifeband.com <http://www.afterlifeband.com/> .

Free

KITTENS - 2 males, 7 mos old, 1 black, 1 striped, neutered, all shots, house trained, need homes. Barbara, 928-8112.

Wanted

CLOTHING - Women's size 3X warm winter coat, etc. 589-0277.

COMPUTER MOUSE - new or used computer mouse Thanks! Huan, Ext. 3829.

FINCH - recently widowed, Society Finch seeks partner to join her. Ext. 5322.

GIFT TAGS & WRAPPING PAPER - Donations needed for the United Way Gift Wrapping Dec 18-21. Joanne, Ext. 8481.

VOLUNTEERS - needed to wrap gifts for United Way Gift Wrapping Dec 18-21. Joanne, Ext. 8481.

GPS - GROUND POSITIONING SYSTEM - in gd working order, auto or hand-held. Ext. 5475 or 375-2680.

JOGGING STYLE STROLLER - in safe working order, free or b/o. Karen, Ext. 7151.

SINGLES - to join our new social club. Great turnout last month. Next meet is Fri, 12/14 @ 5pm @ Center Club. Kim, Ext. 7465.

VERIZON CELL PHONE - any type. Darcy, Ext. 3362.

For Rent

BROOKHAVEN - rm. in house on quiet acre, 9 mi. to Lab, cable TV, int., cac, w/d, use of house, util incl. \$475/mo. 286-4028.

CENTEREACH - bright 1 bdrm grd level, pvt ent., l/r kit combo, new carpet & appl, no pets/smkg, util. incl. except cable, 20 min to Lab \$875/mo. Ext. 7277.

JAMESPORT - priv. vineyard, 900 sq ft., atch cottage, 1 bd, 1 ba, l/r w/fireplace, kit. w/ stove/dw/refrig; screen porch, cac, elec. incl. \$1,300/mo. R. Malone, 722-5142.

MOUNT SINAI - brand new luxury condo 55+ gated sec., situated on pond, 2 br, 2 bath, full bsmt, gar., f/p, ca, walking paths. rent + util. \$2,000/mo. 751-4421.

ROCKY POINT - 1 lg. bdrm, 1 bath, lg l/r, kit., lg closets, bright, looks new, patio, quiet community, 10 min. to Lab, \$1,100/mo., util. incl. \$1,100/mo./neg. 593-4561.

SHIRLEY - 1 rm, m/wave kitnet, furn, full bath, sep ent, tv, elect, heat, wireless int. incl., 1 mo. sec., no smkg/pets, 5 mins to stores, 14 min. to Lab. \$600/mo. Ext. 8321.

SHOREHAM - Share a house w/ professional, part furn. bdrms, 7 mi. from BNL, int./tv incl., no smkg/pets, single preferred. \$600/mo. 744-3543/413-1966.

WADING RIVER - 2 bdrm, 1 bath, house, full bsmt, priv. beach ohw, ww, w/d, 10 min to Lab SWRS, incl. all \$1,650/mo. John, Ext. 4028 or 821-5334.

CLEARWATER, FL - 2 bdrm condo, 1.5 bath, seasonal/yr. rnd, reasonable. 289-5674.

BINGHAM, ME - new fully equip. cabin, 5 wooded acres, visit cyber rentals w/site: Go to Maine, Kennebec, wyman Lake property # 175556 \$600/wk./neg. 281-3706.

For Sale

BELLPORT - 4-BR. ranch, 2 bth, l/r w/dble opening fp to den, d/r, eik, oak flrs, screened deck, laundry rm, fin. bsmt: w/4th BR, bar, full bth, 2 rms; gar., 2 sheds, sprinklers, gt. cond. 15 min. to Lab. \$415,000; 949-7797.

BLUE POINT - Colonial, 5 bdrm. or potential M/D, 2 bath, l/r, d/r, kit., bsmt./crawl space, porch, 1.5 car gar., fen. yd, low taxes. \$349,000/neg. 730-1165.

EAST MORICHES - ranch, 3 bdrm, 2.5 bth, l/r, cath. ceil, f/p, tile, radiant heat, fin. bsmt, covrd porch, patio, .5 acre, landscaped, cul-de-sac. \$415,000/neg. 882-0519.

FARMINGVILLE - custom ranch, 3br, 2 bath, 2.5 gar. cac, alarm, igpp, igs. FSBO. COM Listing#101489 for details/photos. \$474,900/neg. 516-906-3348.

RIDGE - Just over 1 acre, opp. land protected by county, bldg. permits all in place, 5 min. to Lab. \$255,000/neg. 286-2594.

SHOREHAM - Middlecross Estates, 4 bdrm., 2.5 bath Col., frml l/r & d/r, den w/fp, lg. kit. w/dinette, 2 car gar., fin. bsmt., igs, SWRS, more. \$559,000/neg. 821-3320.

SOUTH ROYALTON, VT - 2 homes on 3.5 acres, incl. furn., + extras, priv., 1st: 2 bdrm, 1 bath, finbsmt, gar., wbs, w/d; 2nd: 1 bdrm, 1 bath, bsmt, washer, wbs, pics avail. \$330,000/neg. 466-8637.