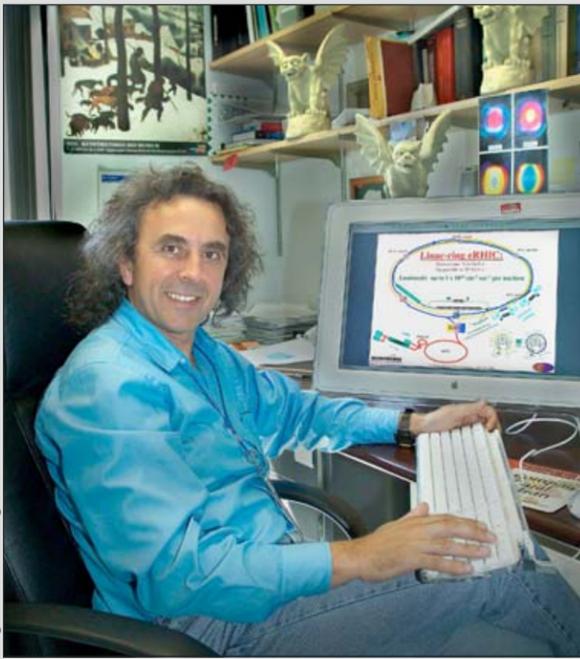


BNL's Vladimir Litvinenko Wins 2004 Free Electron Laser Prize

Vladimir Litvinenko of the Collider-Accelerator Department has won the 2004 Free Electron Laser (FEL) Prize, along with Hiroyuki Hama of Tohoku University, Japan. Sponsored by the International Free Electron Laser Conference to recognize outstanding contributions to FEL science and technology, the prize consists of a certificate and a plaque, and approximately \$2,500 for each of the recipients. Litvinenko and Hama received their awards at a September conference held in Trieste, Italy.

A free electron laser is a research tool that combines the focus of lasers and the intensity of synchrotrons, and it is useful in studying a wide variety of materials and chemical interactions. Litvinenko and Hama worked independently and were honored for separate contributions to the field.

"I am honored to accept the FEL Prize, which acknowledges my work at the Institute for Nuclear Physics in Russia and at Duke University," Litvinenko said. "I'd also like to thank my colleague, Igor Pinayev, for working along side



Roger Stoulenburgh D4360504

Vladimir Litvinenko

me in Russia, at Duke, and now at Brookhaven Lab. His contributions were very important to my research in the FEL field."

Litvinenko and his team built a number of FELs based on the design of an optical klystron, an advanced version of an FEL. In 1988 and 1999, the team was the first in the world to extend the range of an FEL to the ultraviolet wavelength and to the vacuum ultraviolet, respectively. This work makes possible a wider variety of experiments in numerous scientific fields.

A theorist as well as an experimentalist, Litvinenko also was the first to develop the theory of storage-ring FELs, such as the one he and his team designed and built at Duke, with excellent agreement between theory and experiments. In addition, he invented and perfected "super-pulses" to generate very high power FEL light. These super-pulses increase sensitivity a thousand fold for nuclear physics experiments, and they are used in medical applications. Also, these super-pulses generate high harmonics, meaning they can provide photons for FEL experiments that have up to seven times more energy than usual. This improvement may lead to x-ray FELs — a powerful tool that may be used to study the structure of single biological molecules.

At Duke University, Litvinenko developed a high-intensity gamma ray user facility based on the storage ring FEL. This facility generated gamma ray beams of unprecedented quality and intensity, leading to new discoveries using an experimental technique called nuclear resonant fluorescence. The ability of this source to generate gamma rays in very pure form made it the ideal instrument to calibrate a gamma ray telescope to look at galaxies and observe supernovas.

Litvinenko earned his bachelor's and master's degrees in physics from Novosibirsk State University, Russia, in 1975 and 1977, respectively, and he earned his Ph.D. in physics and mathematics from the Institute for Nuclear Physics, Russia, in 1989. After working at the Institute for Nuclear Physics from 1973 to 1991, Litvinenko became a faculty member at Duke University in 1991. A frequent guest researcher at BNL, Litvinenko joined the Lab as a senior physicist in 2003, and he is currently head of the Accelerator Physics Group for BNL's newest facility for nuclear physics research, the Relativistic Heavy Ion Collider. He also became an adjunct professor at Stony Brook University last year.

— Diane Greenberg

KIST-BNL Symposium Held at BNL Event Culminates in Signing of Memo of Understanding



Roger Stoulenburgh D461004

Myung Oh (center), Korea's Deputy Prime Minister and Minister of Science & Technology, applauds as BNL Director Praveen Chaudhari (left) and President of the Korea Institute of Science & Technology Youseung Kim shake hands after signing the Memorandum of Understanding between their two institutions.

Visiting with BNL Director Praveen Chaudhari on October 25-27 were Deputy Prime Minister of Korea Myung Oh, who is also the Minister of Science & Technology, and the President of the Korea Institute of Science & Technology (KIST) Youseung Kim.

A one-day joint symposium on the theme of life sciences started the visit, at which scientists from BNL and KIST exchanged information in three technical sessions: Nanoscience & Nanomaterials, chaired by Doon Gibbs, Associate Lab Director for Basic Energy Sciences; Proteomics, chaired by Carl Anderson, Biology Department Chair; and Molecular Imaging, chaired by Helene Benveniste, Associate Lab Director for Life Sciences.

Each session consisted of four presentations, two from each institution, followed by discussion. At a plenary session, Peter Bond, Interim Deputy Di-

rector for Science & Technology, provided an overview of BNL and its research interests.

The success of the event culminated in a ceremony on October 27, when Kim and Chaudhari signed a Memorandum of Understanding (MOU) between KIST and BNL. Without being legally binding, the MOU recognizes the mutual benefit of cooperative relationships to further scientific and technical advancement in fields of interest to both participants. It included agreements on such topics as the exchange of technical personnel, the exchange of information, and the promotion of joint research.

Subsequently, Chaudhari and Y.Y. Lee of the Collider Accelerator Department accompanied the visitors to PHENIX, one of the four detectors at the Relativistic Heavy Ion Collider, where they met and talked with several Korean researchers whose home universities are members of the PHENIX experiment.

The second part of the tour was at the National Synchrotron Light Source, where Steven Dierker, Associate Lab Director for Light Sources and NSLS Chair discussed the work being conducted at this facility, which is home to more than 2,500 annual visiting scientists, including many in the life sciences field.

The visit to BNL by Deputy Prime Minister Oh and President Kim had followed a meeting at Stony Brook University, where Kim had done his graduate work.

After the BNL visit, Oh and Kim attended the 6th Korea-U.S. Joint Committee Meeting on Scientific & Technological Cooperation in Washington D.C. There, they met with John Marburger, Science Advisor to the President and Director of the Office of Science & Technology, and a former BNL Director, and Raymond Orbach, Director of DOE's Office of Science, before returning to Korea. — Liz Seubert

Lance Cooley Named Fellow of the Institute of Physics

Lance Cooley, an associate scientist in the Department of Materials Science, has been named a Fellow of the Institute of Physics. Based in London, the Institute is a leading international professional society with over 37,000 members, which promotes the advancement and dissemination of a knowledge of and education in the science of physics, pure and applied.

Cooley's citation recognizes him for his high level of achievement in physics and his contribution to the Institute as a member of an editorial board. Cooley is on the editorial board of the journal *Superconductor Science and Technology*.

"This is a completely unexpected honor," Cooley said. "I am touched that I would be thought of so highly at this early stage of my career."

Following other BNL scientists who have made important contributions to the field, Cooley studies superconductivity, or frictionless electricity. He is investigating magnesium diboride, a new superconductor with a unique arrangement of electrons. This feature makes it possible to manipulate the compound in ways that are not possible for other superconductors, which, in

turn, might transform it into a practical conductor of electricity or a new material for making powerful magnets. Cooley hopes that the rapid progress made over the last three years of his work with magnesium diboride will continue, perhaps leading to motors to propel ships or magnets to levitate trains.

Cooley also experiments with flux pinning — a technique in which defects are managed in superconductors to increase electrical flow to levels thousands of times greater than for copper wires. Since this technique makes superconducting electromagnets more powerful than copper-iron electromagnets, Cooley works with the Lab's Superconducting Magnet Division to create, design and test superconducting wires and magnets for particle accelerators and experimental facilities at BNL and around the world.

After receiving a B.A. in physics in 1986 at the University of Chicago, Cooley earned an M.S. and Ph.D. in 1988 and 1993, respectively, at the University of Wisconsin-Madison, and he received the Materials Research Society's "Graduate Student Award" in 1992 for his Ph.D. thesis work. Cooley joined BNL in 2002. In 2003, he received an "Outstanding Mentor" award from DOE's Office of Science, for his work with high school and college students at the Lab.

— Diane Greenberg



Roger Stoulenburgh D074004

Lance Cooley

Calendar of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Recreation Bldg. and at the laundry, both 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, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/bera/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/.

Mondays & Wednesdays: Pilates

Mon., Noon-1 p.m. in the Rec. Hall; Wed., 5:30-6:30 p.m. in the Rec. Hall. Christine Carter, Ext. 5090.

Mondays & Wednesdays: Yoga

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

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon., noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., noon-1 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. North Room. Registration is required. Christine Carter, Ext. 5090.

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

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

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Cindy Ottemann, 849-2646.

Tuesdays: BNL Music Club

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

Tuesdays: Jiu Jitsu Club

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

Tuesdays: Toastmasters

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

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$5 per class or \$40 for ten classes. Rec. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tuesdays & Thursdays: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistration is required. Christine Carter, Ext. 5090.

Tues., Thurs., Fri.: Upton Nursery School

8:30-11:30 a.m. Amie Kennedy, 727-8082, abk22@care2.com, Christine Carter, Ext. 5090, for information.

Tues., Wed. & Thurs: Rec Hall Activities

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

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Kati Petreczky, 821-4131.

Wednesdays: Farmer's Market

11:30 a.m.-1 p.m., Berkner Hall parking lot.

Wednesdays: Weight Watchers

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

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Dance Lessons

5:15-8 p.m. Brookhaven Cntr., North Room. BNL Ballroom Dance Club hosts lessons, beginner to adv. John Millener, Ext. 3853.

Thursdays: Reiki Healing Class

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

Thursdays: FreshDirect Delivery

3:30-5:30 p.m., Berkner Hall parking lot.

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

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

— THIS WEEKEND —

Saturday, 11/20

Diwali Celebration "Festival of Lights"

3 p.m., Berkner Hall. Come celebrate the Indian tradition of Diwali with the BERA Indo-American Association. Traditional music and dances are followed by an authentic Indian dinner at 7 p.m. Tickets are \$12 for adults and \$8 for children ages 5-12. For tickets, contact Sharadha Sambasnan, Ext. 4862; Kumi Pandya, Ext. 7734; Piyush Joshi, Ext. 3847; and Deepak Raparia, Ext. 4849.

Sunday, 11/21

Thanksgiving Potluck Dinner

5 p.m., Rec. Hall in the apartment area. The Hospitality Committee will hold a Thanksgiving potluck dinner, all are invited. See notice above left. Cindy Ottemann, 849-2646, cjottabb@optonline.net.

BNL's United Way Fund Drive Aims at \$120,000 Total

BNL's United Way fund drive, "Be Someone's Hero," kicked off on November 10 and will run through December 10. A pledge form has been sent to each employee; by completing and returning the form, contributors may donate in a one-time gift or via payroll deduction over the span of 2005.

"During my relatively short tenure here, I have learned that the BNL community is strong and caring, with tremendous heart," said Jim Tarpinian, Assistant Laboratory Director of Environment, Safety, Health & Quality, who is this year's fund drive coordinator. "The amount of effort volunteered by many employees in past years to reach the United Way goal is truly inspiring. Last year, the campaign team did an excellent job and raised over \$122,000. I have confidence that we can reach this year's goal of \$120,000.

"Giving is personal, and people often prefer to support a charitable cause that is particularly meaningful to them," Tarpinian continued. "You may choose to benefit any nonprofit 501(c)(3) tax-exempt organization, whether or not it is a member agency of the United Way." Directions for donating are listed on the pledge form.

More than 175 large and small agencies receive financial support from the United Way, including some that might not otherwise exist. "Every year, thousands of Long Islanders—perhaps our family, neighbors, friends, and co-workers -- are helped by these

agencies, which are dependent upon the generosity of people like those in the BNL community," said Tarpinian. "It is wonderfully rewarding to be part of an effort that makes a difference in people's lives. I am asking that you be part of that effort -- 'Be Someone's Hero.'"

Tarpinian suggests other ways that BNLers can contribute to the success of the campaign. These include:

Donating/Volunteering

— Through December 31, BSA will donate \$20 to the UW for every employee hour volunteered, up to \$10,000. With supervisory approval, BNL employees may take off one regular work hour to volunteer, for a minimum of two hours. Drives for food, clothing, and other items will be held. Your department/division captain has details. Contact: Volunteer Coordinator Beth Blevins, Ext. 5630; or Joanne Rula, Ext. 5768.

Holiday Auction — On 12/8 & 9, new gifts and themed baskets will be auctioned in Berkner Hall. To donate new items, call Linda Sinatra, Ext. 6042, or Dawn Schick, Ext. 2463.

Yard Sale — On 12/8 and 9 an indoor yard sale will be held at Berkner Hall featuring items such as sporting goods, tools, and col-

lectibles. To donate items, contact Chris Johnson, Ext. 7636.

Holiday Gift Wrapping: 12/17, 20 & 21, Volunteers will wrap presents in Berkner Hall during lunch for a small donation. Contact: Joanne Rula, Ext. 5768.

Department/Division Captains are:

Biology: Ann Emrick, Ext. 5756.

Budget Office: Dick Melucci, Ext. 2911.

Business Systems: Toni Hoffmann, Ext. 5257.

CEGPA: Kathy Gurski, Ext. 4503.

Central Fabrication Services:

Karen Lucadamo, Ext. 3356.

Chemistry Department:

Lois Caligiuri, Ext. 4397.

Collider-Accelerator Department:

Mary Ostensen, Ext. 6122.

Computational Science Center:

Claire Lamberti, Ext. 3051.

Counterintelligence: Sharon Jones, Ext. 2493.

Director's Office: Lois Marascia, Ext. 8600.

Emergency Services: Joe Levesque, Ext. 4259; and Linda Strome, Ext. 5384.

Energy, Environment, & National Security: Toni Fridae, Ext. 2817.

Energy, Science & Technology: Anna Seda, Ext. 7132; JoAnn Totans, Ext. 5209;

Maryann Julian, Ext. 4705; and Wailin Litzke, Ext. 7153.

Environmental & Waste Management Services: Francine Donnelly, Ext. 3381; and Jason Remien, Ext. 3477.

Environmental Restoration: Gina Bernard, Ext. 7922.

Environmental Sciences: Barbara Roland, Ext. 3275.

Fiscal Services: Leisa McGee, Ext. 6045;



Red Cross Prepares Meals at BNL for Seniors in Central Suffolk Thanksgiving Feasts Will be Delivered to More Than 650 Seniors

Starting at 6 a.m. on week days, the large, industrial kitchen in BNL's Medical Department is bustling with activity, as kitchen aides start to prepare hot lunches for more than 650 seniors — one-half of them homebound and one-half in group settings — in central Suffolk. The Lab donates the use of the kitchen to the American Red Cross for their senior meal program, administered through the Suffolk County Office for the Aging, and funded by Suffolk County and New York State.

"The kitchen originally served the Lab's on-site hospital, but, in 1985, with the space vacant for several years, we agreed to donate the use of the space to the Red Cross," said their BNL host Georgia Irving. "While the space is rent-free, the Red Cross pays for maintenance of the kitchen equipment."

Nancy Garcia, Manager of the Red Cross Brookhaven Nutrition Program, said that food is ordered in bulk from several distributors and cooked on Lab premises. Then, Red Cross staff and volunteers deliver it to homebound seniors and to senior centers. Garcia estimates that about 20 BNL employees



Preparing a meal in the Medical Department's kitchen are (from left) Red Cross workers Sharon Scruggs, Novella Ferguson, assistant manager Debra Divita, Adam Davis, Jason Phipps, manager Nancy Garcia, and BNL host Georgia Irving of the Director's Office. The Red Cross's Tony Catonia picks up the food for delivery.

volunteer their time each year to the program.

The meals are varied, repeated every five weeks, and they meet state and county nutritional guidelines. All recipients of the meals are at least 60 years old, while the homebound meal recipients are deemed frail, disabled, or nutritionally at risk after being interviewed, as required by the Suffolk County Office for the Aging. There are

no financial criteria for eligibility in the program, but recipients can make a suggested voluntary contribution for the food, if possible.

The seniors in the program will be treated to a special holiday dinner on November 22: turkey with stuffing and gravy, cranberry sauce, sweet potatoes, creamed spinach, dinner roll, milk, and pumpkin pie.

—Diane Greenberg

Coming Up

BSA Distinguished Lecture, 12/10

Venki Ramakrishnan of the Medical Research Council's Laboratory of Molecular Biology, Cambridge, England, will give a BSA Distinguished Lecture titled "The Ribosome: The Cell's Protein-Synthesizing Machine and How Antibiotics Disrupt It," on Friday, December 10, at 11 a.m. in Berkner Hall. Visitors to the Lab age 16 and over must bring a photo ID.

and Margherita Pirozzi, Ext. 5168.

Hospitality Committee/Apartment Area: Hyo Jeong Kim, hoyjeongkm@yahoo.com; Jing Ne, gslnj@hotmail.com; and Nancy Feng, zhhfeng@hotmail.com.

Human Resources & Occupational Medicine: Nancy Sobrito, Ext. 7996; and Susan Foster, Ext. 2888.

Information Services: Noreen O'Donnell, Ext. 3483.

Information Technology Division: Marty Gormezano, Ext. 3418.

Instrumentation Division: Don Makowiecki, Ext. 4009.

Internal Audit & Oversight: Elliott Levitt, Ext. 2495.

Mag-net Division: Diana Votruba, Ext. 5123.

Materials Science: Ali Lopez, Ext. 2590.

Medical Department: Bill Gunther, Ext. 4961.

Center for Functional Nanomaterials: Judy Thompson, Ext. 4176.

National Synchrotron Light Source: Eileen Morello, Ext. 2145; Lydia Rogers, Ext. 4746; and Nancy Wright, Ext. 5132.

Nonproliferation & National Security: Debra Pettit, Ext. 2221; and Linda Hanlon, Ext. 7517.

Physics: Cindy McQuilken, Ext. 2396.

Plant Engineering: Chris Johnson, Ext. 7636; Claudia Hatton, Ext. 3467; Claudia Jones, Ext. 3082; Debbie Doyle, Ext. 3084; Ed Murphy, Ext. 3466; Patricia Bender, Ext. 3145; and Tirre Farmer, Ext. 3288.

Procurement & Property Management: Barbara Simpson, Ext. 7643.

Quality Management Office: Beth Evelly, Ext. 3689; and Joyce Fortunato, Ext. 4229.

Radiological Control: Lee Michel, Ext. 6306.

Safeguards & Security: Mindy Markstaller, Ext. 2280.

Safety & Health Services: Donna Wadman, Ext. 2542.

Staff Services: Joanne Rula, Ext. 8481.

Training & Qualifications: George Rundlett, Ext. 5851.

Take 5

Have you seen the monthly video feature for the BNL community? Each month, a new mix of very short takes on Lab science and other goings-on-around-site will give you an idea of the 'now' horizon. Go to Take-5 on the homepage, lower right, load the free software, and enjoy.

BWIS News

Board Meets, 11/30

Wine, Cheese Party, 12/9

All BNLers are invited to two events sponsored by Brookhaven Women in Science (BWIS): An executive board meeting in which members of the board will be elected by the membership on Tuesday, November 30, at noon to 1 p.m. in Berkner Hall, Room A, and its annual Wine & Cheese Party on Thursday, December 9, from 5:15 p.m. to 7 p.m. in the Rec. Bldg. in the apartment area.

Board members will be available to answer questions about BWIS at the board meeting: Attendees will be served lunch.

The annual Wine & Cheese party is held each year by BWIS to thank the people at the Lab who have helped with and supported BWIS programs, to welcome new members, and to introduce the new executive board for the next year. Both men and women of the BNL community are welcome to join BWIS. The group's primary mission is to promote the advancement of women in the scientific professions. For example, BWIS administers scholarships for women and high school career days for girls. For more information, Loralie Smart at Ext. 2425, or lsmart@bnl.gov, or Pat Williams, Ext. 8211, or pw@bnl.gov.

'Sharing Our Caring' Volunteer Expo Successfully Held in Berkner Hall

In his welcoming remarks at the "Sharing our Caring" Volunteer Expo held in Berkner Hall on November 3, Lab Director Praveen Chaudhari commented on his pride in BNL employees and their volunteer efforts that result in outstanding services provided to the Lab and surrounding communities. Greg Ogeka of BNL's Finance Directorate, who also spoke at the event, shared some of his volunteer experiences with Brookhaven Town Interface. The expo, which was held to promote volunteerism and inform individuals of services that are available in local communities, was deemed a huge success. Many attendees collected information on local organizations. During the event, BNL employees Fran Ligon, Henry Diaz, Joseph Carbonaro, and Phil Hayde performed musical selections,



Lab Director Praveen Chaudhari (right) welcomes about 300 attendees to the Volunteer Expo sponsored by BNL's Volunteers in Partnership program, which is supported by Brookhaven Science Associates.

and background music was provided by Sal Todaro and the Leisure Glenn Ensemble, a group of musicians from the nearby Leisure Glenn community.

Sponsored by the Lab's Volunteers in Partnership (VIP) committee, which is headed by Elaine Lowenstein of the Community, Education, Govern-

ment & Public Affairs Directorate, the expo was chaired by VIP committee member April Gray of the Fiscal Services Division. Through the efforts of Gray and her subcommittee, approximately 30 local organizations were on hand to talk about the various services they provide in the community, together with

the BNL employees who regularly volunteer to accomplish the mission of these organizations. A barrel-full of nonperishable food items, donated by attendees, was collected during the expo and will be distributed to local food pantries during the upcoming holiday season.

— Jane Koropsak

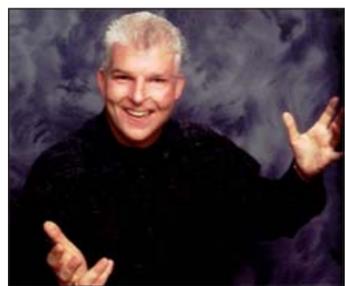
The following agencies were represented at the "Sharing our Caring" Volunteer Expo. The names listed next to each agency are the BNL contacts who volunteer at these agencies. For more information or assistance in contacting an agency representative, call April Gray, Ext. 2459.
Thee Island INN: Barbara Royce, EP; Triveni Srinivasan-Rao, IO. **Response of Suffolk County:** Susan Foster, PE. **Interfaith Nutrition Network:** Barbara Royce, EP. **Peconic Community Council:** April Gray, FO. **Manorville Community Ambulance:** Thomas Russo, AD. **Big Brothers Big Sisters of Long Island:** Celeste Tymann, SS. **US Costal Guard Auxiliary:** Philip Warner, BNL retiree. **St. Charles Hospital:** Jack Russell, BNL retiree. **United States Power Squadrons:** William McGahern, AD. **Boys and Girls Club of Bellport Area:** Mary Durham, EP. **Literacy Suffolk, Inc.:** Jennifer Lynch, SS. **Community Support for South Ocean Middle School (P.O.P. S.):** Paul Akins, EP. **Little Flower Children's Services:** April Gray, FO. **Southampton Youth Bureau:** April Gray, FO. **Bellport Haegerman E. Patchogue Alliance:** Abass

Wessen, EP. **Hope House Ministries:** Mary Lynn Heinrich, AO. **Leukemia and Lymphoma Society/Team in Training:** Anna Seda, NE. **Brookhaven Memorial Hospital:** Ella McLean, BNL retiree. **Fire Island Lighthouse Preservation Society:** Robert Dunlop, EP; and Frank Quarant, AO. **East End Arts Council:** Frances Ligon, BD. **William Floyd Community Summit:** Jeffrey Williams, ES. **American Red Cross:** John Nicolellis, AD. **Boy Scouts:** John Nicolellis, AD. **BNL/Longwood Mentoring Program:** Peter Soo, BNL retiree; and Ali Lopez, MA. **Timothy Hill Children's Ranch:** Brookhaven Town Interface: Gregory Ogeka, DI. **BNL Food Drive:** Rita Kito, BU; and Donna Wadman, HP. **Long Island Council of Churches:** Beth Blevins, WM. **United Way:** Beth Blevins, WM. **Long Island Science Center:** Peter Wanderer, AM; and Peter Takacs, IO. **Planned Parenthood Hudson/Peconic:** Mark Sakitt, PO. **BNL Firefighters:** John Searing, EM. **Colonial Youth Family Services:** Christa House – The Jerry Hartman Residence: Fred Benjamin, FO.

'Remember Charlie,' 12/1 Morecraft Talks on Personal Safety

Most people have the same attitude about safety that Charlie Morecraft had for over a decade while he was working at an Exxon refinery: he did not think about it much. After being critically injured in an explosion that burned over 45 percent of his body, Morecraft learned to think very differently and knows at firsthand the importance of "doing things safely." Twice on Wednesday, December 1, at 9 a.m. and at 1:30 p.m. in Berkner Hall, Morecraft will emphasize the significance of attitude and personal responsibility for safety at work, at home, at travel, and at play. Says

Morecraft, "I'm just an ordinary guy with an extraordinary story to tell. I believe this presentation will dramatically alter most people's attitudes toward safety. Their actions and behavior will change from thoughtless and routine to safety first & always; and their safety consciousness and behavior will be raised to a new level."



RHIC Ops: Controlled Area Postings

The Collider-Accelerator Department will soon be restarting the Relativistic Heavy Ion Collider (RHIC), which is expected to operate until the end of April 2005.

During this operating period, the entire RHIC site, including the inner road, will be posted as a Controlled Area with the exception of Building 1005 (the Collider Center), the adjacent parking lot and the approach road to Building 1005. The postings will be in place at the end of the day on Wednesday, November 17. In addition, the northern portion of Thomson Road is posted as a Controlled Area and closed to routine traffic.

The following requirements must be satisfied before entering the posted Controlled Areas. Failure to comply with these requirements could lead to a Reportable Occurrence and a Price Anderson Amendment Act (PAAA) violation:

- Unescorted Access requires up-to-date General Employee Radiation Training (GERT) and facility-specific training. For assistance:
 - experimenters: contact the RHIC & AGS Users' Center, Ext. 5975.
 - BNL employees: contact Ann-Marie Luhrs, Ext. 7007.
- Escorted Access may be granted by contacting Ann-Marie Luhrs, Ext. 7007. Escorts must complete a Training Waiver Form and the escorted entry must be approved by the Collider-Accelerator Department. Call at least one day prior to the escorted access. As always, all personnel are expected to adhere to the posted requirement.

Shop at BNL's Science Store

The BNL Science Museum store will be open for the holiday season with science-based gifts for the whole family. Also, experience, among other exhibits, the new 3D Visualization Theater. The museum will be open on Fridays, December 3, 10, and 17, noon-2 p.m.

DOE Small Business Development Center Open House, 12/8

The DOE Small Business Development Center (DOE SBDC) will hold an Open House on Wednesday, December 8, 11 a.m.-2 p.m. in the Berkner Hall cafeteria, where experts from various organizations will give advice to those who own or wish to start a small business.

All are invited to attend the Open House, where representatives will be available from: the DOE Small Business Development Center at BNL, the U.S. Department of Commerce, the Space Alliance Technology Outreach Program, and the Long Island Development Corporation's Procurement & Technical Assistance Program. Visitors to BNL age 16 and over must bring a photo ID.

The DOE SBDC at BNL is open for one-on-one counseling by a highly trained and experienced counselor who can help those interested in developing a business or expanding a business. For more information, call Vincent Tirolo, Ext. 2393.

In addition to the Open House, the DOE SBDC will offer a series of monthly workshops for owners or would-be owners of small businesses starting in January. So far, the topics will include business basics, e-commerce and patents & trademarks. If you are interested in a topic that you feel would be useful to small business owners, call the SBDC at Stony Brook University at 632-9070.

BSA Noon Recital, 12/1: Opera Scenes

On December 1, David Lawton, Music Director of the Stony Brook Opera, will present staged scenes from opera favorites, sung in the original languages, with piano accompaniment. The program will include excerpts from Mozart's *Le Nozze di Figaro*, in Italian, and the final scene of Tchaikovsky's *Eugene Onegin*, in Russian.

BSA noon recitals are free and open to the public. Visitors to the Lab age 16 and over must carry a photo ID.



Aqua Aerobics, Jazzercise, Pilates

New sessions begin soon, as below. Registration is necessary. Send your check payable to BERA to Christine Carter, Bldg. 179B.

Aqua Aerobics - December 7 & 9, Tuesdays and Thursdays, at 5:15 p.m. in the pool. \$20 to attend once a week, \$40 to attend twice a week, for eight weeks.

Jazzercise - December 2 - Tuesdays and Thursdays, at the Rec Hall at noon - \$88 to attend twice a week for eight weeks..

Pilates - Nov. 22, Mondays at noon, Wednesdays at 5:30 p.m. at the Rec Hall - \$50, once a week; \$60, twice a week, for eight weeks.

Calendar

(continued)

— WEEK OF 11/22 —

Monday, 11/22

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock road, Centereach. A meeting for shift workers will be held at 3 p.m. in the Union Office. The agenda includes regular business, committee reports, and the president's report.

Tuesday, 11/30

•BWIS Executive Board Meeting

Noon-1 p.m., Berkner Hall, Room A. An executive board meeting at which members of the board will be elected by the Brookhaven Women In Science membership.

Thursday, 12/2

BNL Career Network Group Meeting

Noon, Berkner Hall, Room A. All are welcome. Cathy Wehrmann, Ext. 7823.

Saturday, 12/4

Bus Trip to Peddler's Village

\$20 per person. Make paid reservations at the BERA store, Monday-Friday, 9 a.m.-3 p.m. The bus departs from the Brookhaven Center at 9 a.m. and leaves the Village at 5 p.m.

Sunday, 12/5

Radio City Holiday Spectacular

\$80 per person includes orchestra seats for a 3 p.m. show, roundtrip luxury bus transportation, and free time in the Rockefeller Center area to shop, browse, or dine. Buy tickets at the BERA Sales Office in Berkner Hall.

— WEEK OF 12/6 —

Wednesday, 12/8

*DOE SBDC Open House

11 a.m.-2 p.m., Berkner Hall Cafeteria. The DOE Small Business Development Center will hold an Open House to give advice to small business owners. See notice above, left.

Thursday, 12/9

*BWIS Annual Wine & Cheese Party

5:15-7 p.m., Recreation Building in the apartment area.

Friday, 12/10

BSA Distinguished Lecture

11 a.m. Venki Ramakrishnan will speak about the ribosome. See notice, page 2. Free and open to the public.

— WEEK OF 12/13 —

Friday, 12/17

BERA 3rd Annual Holiday Party

6-11 p.m. at East Wind Caterers, Wading River. Buy tickets at the BERA Store. \$50 per person includes a five-hour open bar, *hors d'oeuvres*, full dinner buffet, dessert, and DJ entertainment. Christine Carter, Ext. 5090.

Arrivals & Departures

Arrivals

Brigitte K. Paap Biology
 Dimitri Rochman E S & T
 Paul Szymanski Chemistry
 Yatming R. Than C-A

Departures

Frank Cetero Magnet
 Donald Gosline Magnet
 David Graham C-A
 Megumi Hada Biology
 John Heinrichs OMC
 Toby Levine Magnet
 Joseph Sullivan C-A
 Douglas Wood Magnet

Vehicle Stickers for '05

The yellow vehicle registration stickers currently in use on vehicles belonging to BNL employees, guests, and retirees, will expire at the end of 2004.

Starting Monday, November 22, new vehicle stickers will be issued at Bldg. 30, the Brookhaven Center. Stickers will be issued Monday-Friday, 8:30 a.m.-1 p.m. and 2-4:45 p.m. To obtain a new sticker, BNL employees, guests, and retirees must show their BNL ID badge, driver's license, and vehicle registration.

Bus to NYC, 12/12

• The Hospitality Committee invites all to join a bus trip to New York City on Sunday, December 12. The bus leaves from the Recreation Hall at 9 a.m. and will return from the city at 5:30 p.m. The cost for adults is \$12, children 2-12, \$6; payment is by cash only, in advance. Contact Fang Dong at frances_dong@yahoo.com or 402-321-2378.

• BERA will sponsor a second bus, same price, same day, leaving at 9 a.m. from the Brookhaven Center. Buy tickets at the BERA Store. \$2 per ticket will go to the United Way.

Hospitality's Thanksgiving Potluck Dinner, 11/21

The Hospitality Committee invites all to a Thanksgiving potluck dinner on Sunday, November 21, at 5 p.m. at the Recreation Hall. The "trad" turkey and side dishes, including stuffing, mashed potatoes, and pumpkin pie, will be provided. Also, everyone is asked to bring a dish for six people to share. The BNL Music Club will provide music. For information, contact Cindy Ottemann, 849-2646, cjottabb@optonline.net.

Classified Advertisements

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

TB3194. STAFF SPECIALIST (A-6, part-time, 50%) - Requires a bachelor's degree in accounting, business administration, or business information systems and at least 5 years' related experience. Demonstrated ability in auditing financial records, using business information systems, preparing process documents, excellent written and oral communication skills, proficiency in Excel and other MS Office projects, experience with PeopleSoft budgeting, personnel forecasting, queries and reports required. Extensive administrative experience should include financial performance and analysis, accounting procedures and policies, coordination of program funding, budget and proposal preparation and financial reporting. Responsibilities will include performing quality assurance checks of the International Safeguards Project Office's (ISPO) financial records and preparing procedures for ISPO's financial tracking activities. Nonproliferation & National Security Department.

TB3617. SR. ADMINISTRATIVE SERVICES ASSISTANT (A-3) - Requires eight years of BNL experience, knowledge of Laboratory policies and procedures, experience with PeopleSoft, ILRs, and POs; and excellent computer skills including Excel and Word. Excellent interpersonal and communication skills, the ability to maintain meticulous and comprehensive records and the ability to interact independently are also required. A degree in an appropriate field is desirable. Will report to the Group Leader at the BNL RADTEC facility and, under general supervision, will maintain a detailed and comprehensive set of records and perform other administrative functions, including: interacting with vendors and sponsors, scheduling installations and repairs of equipment, maintenance of database, certifications, work logs, data sheets, etc. The ability to obtain and maintain a DOE security clearance is required. Nonproliferation & National Security Department.

TB4114. SECRETARY (CW-2, part-time (70%), term appointment) - Requires proficient computer skills (MS Word, Outlook, Excel and PeopleSoft Domestic Travel System), excellent word processing and communication skills. Will order supplies, software and purchases using the Lab-based Web Requisitions. Responsibilities include domestic travel arrangements for staff, and processing appropriate vouchers and reports. Will assist in providing office support to the Nonproliferation & Counterterrorism Division. Nonproliferation & National Security Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK3192. ASSOCIATE SCIENTIST (S-2, reposting) - Requires a Ph.D. in a scientific or engineering field. Additional requirements include working knowledge and experience with the International Atomic Energy Agency system of safeguards, understanding of use of NDA and DA techniques in verification of nuclear materials, knowledge of chemical processes in uranium enrichment and conversion plants, ability to analyze and create safeguards systems for uranium enrichment

and conversion plants. Strong background in light water reactor operation and safeguards needed, as is an understanding of the use of surveillance and containment systems for safeguards and physical protection needed and the ability to pick up needed skills in safeguards area quickly. In addition, the ability to work in multinational arena of international safeguards is needed. Strong statistical background desired. Will develop research initiatives to promote international nonproliferation and reduce global danger from weapons of mass destruction supporting National Nuclear Security Administration objectives. Must be able to obtain and maintain a Department of Energy Q clearance. Some domestic and foreign travel required. Under the direction of P. Moskowitz, Nonproliferation & National Security Department.

MK3550. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in nuclear or high-energy physics. Position is with the Nuclear Theory Group which has active programs in the theory of heavy ion collisions at ultrarelativistic energies, spin physics and nuclear structures. Under the direction of D. Kharzeev, Physics Department.

TB2080. TECHNICAL ASSOCIATE II (T-4, term appointment) - Requires a bachelor's degree or equivalent acquired through training & experience in a specialized technical field plus 5 years' experience in the overall process of printed circuit board fabrication including multilayer and rigid-flex. Must be skilled in drilling, routing, plating, photo, etch and solder mask processes. Must know the safety and environmental impacts of these processes and have a working knowledge of chemicals. Will be responsible for executing all steps of printed circuit board (PCB) fabrications. Instrumentation Division.

TB3193. SCIENTIFIC ASSOCIATE III (P-3, term appointment) - Requires a master's degree in a relevant field such as engineering, science, international relations, international affairs, or political science and 3 years' experience in non-proliferation research, project management, nuclear physics, nuclear engineering, computer science, or information technology. Familiarity with nuclear fuel cycles and international safeguards, excellent written and oral communication skills and experience with MS Office products also required. Must be able to obtain and maintain a DOE security clearance. Experience working with the International Atomic Energy Agency (IAEA) is desired. Will be responsible for monitoring USSP active tasks and evaluating task requests as they are received. Will also attend meetings of the Subgroup on Safeguards Technical Support (SSTS), contribute to meeting briefing packages, and respond to queries from SSTS, contractors, and IAEA in a timely fashion. Nonproliferation & National Security Department.

TB2185. HEAVY EQUIPMENT MECHANIC-OPERATOR - Under minimum supervision maintains, operates, and repairs all material handling, earth moving, grounds and similar equipment, including complete repair and maintenance of gasoline and diesel engines and the use of required machine tools. Plant Engineering Division.

NS3344. PHLEBOTOMIST/LABORATORY TECHNICIAN (CW-1) - Requires phlebotomist certification and three or more years' experience in drawing blood and executing other laboratory procedures. Will be trained to perform EKGs and vision and hearing tests for physical exams. Willingness to learn various computer applications is necessary. Will also assist in various projects and initiatives. Human Resources & Occupational Medicine Division.

Motor Vehicles & Supplies

04 HONDA ACCORD LX - 4-dr., champagne, excel. cond. 9,600 mi. \$18,900/neg. Helen, 345-5337 or 374-0172.

03 SATURN ION - silver, a/t, a/c, CD, excel. cond. 20K mi. \$10,000. Lisa, 988-2984.

02 TOYOTA CELICA - 5-spd, sunroof, all pwr., blue, excel. cond. 60K mi. \$15,000. Mike, Ext. 7410.

00 DODGE NEON - power everything, a/t, a/c, alum. wheels, v. well maint., 85K hwy. mi. \$4,600. Paul, Ext. 7220 or 516-364-0362.

99 MERCURY MARQUIS - dark green, leather seats, a/t, a/c, p/s, p/b, p/w, CD cgr. 55K mi. \$8,000/neg. Thomas, 516-429-7394.

99 FORD WINDSTAR LX - a/t, a/c, p/b, p/w, c/c, 3.8L, orig. owner, well maint., v.gd. 96K mi. \$4,600/neg. John, Ext. 3222 or 929-4101.

97 VW JETTA - 5-spd, c/c, a/c, abs, am/fm/cass, moonroof, 122K hwy. mi. \$3,000/neg. Larry, 506-0265.

97 BMW 328i - 6-cyl., 4-dr., CD cgr., c/c, cass, abs, leather, p/l, am/fm, well maint. 110K mi. \$8,895/neg. Luis, Ext. 2818 or 607-432-4449.

97 MERCURY VILLAGER - a/c, p/b, p/w, seats 7, 12-disc CD, mint cond. 80K mi. \$7,000. Jeff, 516 982-5400.

96 JEEP GRAND CHEROKEE LAREDO - v. gd. cond., never been off-road. 93K mi. \$5,300/neg. Daniel, Ext. 4612 or 878-9037.

95 DODGE NEON - a/t, a/c, abs, c/c, am/fm/cd/mp3+aux, new tires. 133K mi. \$1,500/neg. Ext. 2352.

94 BUICK PARK AVE. - 6-cyl., all pwr., leather, m/roof. Needs nothing. Excel. cond. 60K mi. \$6,000/neg. Joseph, Ext. 7316.

93 AUDI 100S - 6-cyl., 4-dr., a/t, abs, a/c, p/b, p/s, p/w, p/l, c/c, am/fm, cass, s/roof, good cond. 120K mi. \$3,400/neg. Paul, 878-1486.

91 LINCOLN TOWN CAR - garaged, leather int. 72K mi. \$3,750/neg. Ext. 7235 or 399-7997.

89 JEEP CHEROKEE LTD - 6-cyl., 4-dr., a/t, 4wd, abs, c/c, p/b, p/s, p/w, p/l, am/fm/cass, s/roof, r/rack. 140K mi. \$1,000/neg. 878-1486.

82 HARLEY DAVIDSON SPORTSTER - Ironhead, all black, Sport BOB dbl. tank, 2-in. over on front end. \$3,900/neg. 821-0539.

57 CHEVROLET 210 WAGON - Red/wh., 4-dr., 283 w/4BL dual exh., p/wrglide, Calif. car 'til '94, nice cond., \$10,500/neg. Ken, Ext. 5110.

99 ACURA 3.2TL - V6, loaded, all pwr., leather, s/roof, abs, traction ctrl., great cond., 52K mi. \$12,000 firm. 368-0452.

ENGINE - '68 Roadrunner, 906 ported heads, A727 Torqueflite, all access., 200 mi. on rebuild. Paul, Ext. 7220 or 516-364-0362.

SHOCK ABSORBERS - Bilstein, set of 4; fits Ford Ranger 4X4, edge and trail-head models; used one month. \$150. Artie, Ext. 5937.

Boats & Marine Supplies

18' SEARAY BOWRIDER - 1997 w/115-hp. Merc OB, Shoreline trailer, mint. \$9,450/neg. Susan, Ext. 7235 or 399-7997.

22' O'DAY SAIL - 1973, Shoal keel, marine VHF radio, 6-horse-pwr. Evinrude w/alternator, \$1,750/neg. Fred, Ext. 3498 or 791-5214.

Furnishings & Appliances

BED - queen size, canopy, bamboo, natural green, never used or assembled, \$450. Helen, 345-5337 or 374-0172.

CHRISTMAS TREE - 7.5-ft Alpine fir w/stand, artificial, from Harrows. Nice and full. Used 2ce. \$60. Nancy, Ext. 5744 or 929-4440.

WASHING MACHINE - GE3110, 3 yrs. old, 3 water levels, 3 temperatures, 3 speeds, \$100. Michael, Ext. 6102 or 878-9020.

Sports, Hobbies & Pets

AQUARIUM - 5 gal. clarity-plus acrylic w/filter, heater, light, all access. \$25. Artie, Ext. 5937.

CUISINART - \$25. Janet, 929-3910.

CYCLING HELMET - YOUTH - Xtreme/liquid nite ProAction, size M/L, never worn. \$10. Linda, Ext. 2733 or 395-6784.

PIANO - Winter spinet, nice tone. Great for beginner, v. good cond. Must sell, moving. \$1800/obo. Alison, Ext. 8367 or 744-3651.

Tools, House & Garden

FILL - clean, sandy soil, >200 cu yd, share expense from Manorville. Jim, Ext. 5537.

MISC TOOLS - 3 dehumidifiers, \$75 for all; 2 lawn mowers, \$80 for both; 1 gas grill w/full bottle \$40. Joseph, Ext. 7316.

TOOLS - 2 1/4 ton Hydraulic jack \$75; Corona kerosene convection heater \$35; 8 ft folding ladder \$25. Joseph, Ext. 7316.

Miscellaneous

GO-KART - 2-seater, 6-hp. V.gd. cond. Ask. \$850. Tom, 874-8463.

SWORD, STAMPS - Samurai sword, collectible; U.S. commemorative and first-day-cover stamps. Best offer. Janet, 929-3910.

TICKETS - 2 tickets to *Radio City Christmas Spectacular*, Dec. 18, 7:30 p.m. Front row orchestra, \$132/ea. Michael, Ext. 7941.

Farewell Gatherings

JOHN HEINRICHS - 12/9, 5-7 p.m., B'haven Center. \$10 incl. hors d'oeuvres & gift. Cash bar. RSVP by 12/2. Robyn, Ext. 3192.

Free

CATS - b/w, 1yr old, 1 m, 1 f, neutered, all shots, gt. personalities, must go as pair. Owners moving. Alison, Ext. 8367 or 744-3651.

PIANO - upright, in tune, you pick up and move. Michael, 878-3593.

Wanted

OLD BOWS - Old recurves and longbows. Bill, Ext. 2377 or 654-8685.

TREADMILL - Pro-Form or equal, excellent to very good cond., delivery needed. Ext. 7941 or 286-6133.

For Rent

BELLPORT VILLAGE - Large 1-bdrm. ground flr. apt. in two-family home. All village amenities. \$1,200/mo. incl. util. 1-mo. security needed. Jim, 744-2095.

RIDGE - 1-bdrm. apt., priv. ent., full bath, quiet, newly renovated, spacious closets, c/a/c, back yd., 4 mi. to BNL, 2 mo. sec, \$800/mo. Greg, 632-1135 or 209-0345.

RIDGE - 4-bdrm. mother/daughter house, huge rooms, 2 full baths, eik, l/r, den, c/a/c, 2nd-flr. laund., bk. yd., clean, quiet, 4mi to Lab. \$1,990/mo. 632-1135 or 209-0345.

RIVERHEAD - Aquebogue, avail 12/1 for single. New, 1-bdrm. apt, w/d, full patio, no pets, n/s, eik, close to RHD shopping, 1-mo. sec. req., incl. all. \$1,200/mo. 664-4223.

ROCKY POINT - 2-bdrm. house, newly renovated, furnished, quiet. 6-month period, nr. water. \$1,600/mo. 516-849-2994.

SHIRLEY - 1 fully furn. bdrm. for single person. Full bath, sep. ent. No smkg, no pets, 1 month sec. \$700/mo. Regis, Ext. 2375.

YAPHANK - 4-rm. apt. in pvt., secl. wooded area, bdrm, kitch, d/r, l/r, incl. elec. ht., wat, cable. One person only. No smkrs/pets. 1-mo rent & 1-mo sec. \$1,000/mo. 924-4257.

On-Site Service Station

BATTERIES, NYS INSPECTIONS, MORE - Upton Industries, Inc., is ready to service your vehicle for anything from batteries to timing belts to tires. Ext. 4034.

BNL Art & Craft Show, 11/22-24 Featured Artist: George "Buzz" Rundlett



George "Buzz" Rundlett, with his pictures of roses and "The Good Samaritan," which will be in the upcoming BNL art show.

One of the artists in this year's BNL Employees' Art & Crafts Show is Radiological Controls Trainer George "Buzz" Rundlett, who paints images ranging from the Bible to landscapes and aviation.

This year, Rundlett will exhibit "The Good Samaritan," which he painted as a visual tool for one of the bible classes he and his wife teach at the Wading River Congregational Church.

"I painted it so that they could understand the story better," says Rundlett.

A large painting, which took about two and half months to create ("I'd come home after work and dabble on it"), the piece features subjects in historically accurate clothing and setting, which the artist meticulously researched.

Another of his paintings, which he exhibited in a past BNL show is of the Last Supper. In his version, candle-lit faces punctuate the somber room, unlike Leonardo Da Vinci's well-lit, frontal version of the storied meal.

"It's the TV view," says Rundlett. "The Last Supper was a clandestine event, so I imagined the lighting would have been subdued."

Come see Rundlett's work, along with other art, sculpture, and crafts at the BNL Art Society's Art & Crafts Show, Berkner Hall, Monday-Wednesday, November 22-24, 11:30 a.m. - 1 p.m. An evening reception with refreshments will also be held on Monday, November 22, 5-7 p.m.

BNL Music Club Concert, 12/2 Malavet-Blum Performs UW Benefit

Sponsored by the BNL Music Club, Yvette Malavet-Blum of the Director's Office will perform a benefit concert for the United Way on Thursday, December 2, at noon in Berkner Hall. The program will include favorites within her repertoire as well as some holiday songs to lift spirits. Malavet-Blum has been performing in Manhattan and Long Island since 1997. Last year, she sang "A Holiday Cabaret" show for the BSA's Noon Recital Series. A \$1.00 donation will be accepted at the door. All donations will be presented to BNL's United Way fund drive.

Blues/Rock 'Great Caesar's Ghost' Band Featuring Guitarist G.E. Smith, 12/3

Sponsored by the BNL Music Club, the blues/rock band Great Caesar's Ghost will appear in concert with guitarist G.E. Smith, former "Saturday Night Live" music director, on Friday, December 3, at 8 p.m. in Berkner Hall. The concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Great Caesar's Ghost is a seven-piece band that plays an authentic blend of Allman Brothers and Grateful Dead music, up-tempo blues, and material from the early 70s. Buy tickets at \$15 each from the BERA Store, Berkner Hall. For more information, see www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=04-97 or call Ext. 3413.