



Joseph Rubino D2511208

## BNL VIPs: 2008 Service Anniversary Celebration

See story on pg. 4.  
— Photos by Joseph Rubino



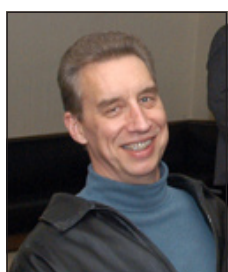
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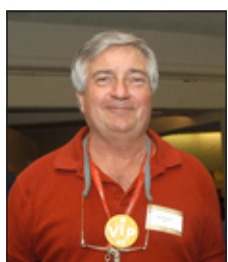
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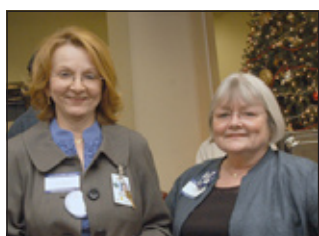
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# BERA Clubs: Livening Up Life at BNL Each Year

Christine Carter, the BERA/Quality of Life/Recreation Supervisor, thanks all of the Club and League officers and participants. Says Carter, “I encourage all employees to take advantage of the 50-plus cultural and recreational clubs and the wonderful facilities available at BNL to socialize and keep fit and healthy!”



Joseph Rubino D0440206



Roger Stoutenburgh D0890108



Two High-School Seniors Win BNL’s 2008 ‘Discovery’ Art Prizes

Each year, Brookhaven Science Associates (BSA), the company that manages BNL, awards the Discovery Art Prize annually to two local high school seniors for artwork best exhibiting the spirit of scientific discovery. The BNL Art Society chooses the prize winners from artworks exhibited at a show for high school seniors held by the South Bay Art Association (SBAA) each November.

This year, two students were awarded the Discovery Prize: Colby Grace of Northport High School, and Lauren Price of Bayport-Blue Point High School. At the BNL Art Society Art & Crafts show held in November in Berkner Hall, the winning artworks were accorded the place of honor. Peter Bond, Special Assistant to the Laboratory Director, congratulated the winners and presented them with a certificate and a \$500 savings bond.

As the students explained at the ceremony, they each expect to continue with their art. Price, as her winning photograph and her other work at the SBAA show demonstrated, is a gifted photographer with a striking sense of design. She hopes to major in photography at the Tisch School of the Arts at New York University.

Grace will attend the Pratt Institute. His sculpture seen at BNL was one of three he exhibited at the SBAA show. The other two were powerful and evocative figures, titled “Dust Bowl,” and “A Child of Warsaw,” respectively. Grace’s talent has already won recognition: He was recently awarded a major commission by Northport Village to



Joseph Rubino D1681108

Peter Bond with Loren Price, winner of BNL’s 2008 Discovery Art Prize. Her citation read, “Loren Price of Bayport-Blue Point High School has created a digital self-portrait photo showing light refracted by a piece of glass, and at the same time, a person fascinated by these effects. This resonates with the Lab, which is a world leader in using light to investigate the nature of materials. BNL has one operational light source, the National Synchrotron Light Source, and is soon to start building another. These facilities use light over a wide range of wavelengths, from the very short to the very long, to probe the structure and other information about the material being studied.”

create a memorial to soldiers that will stand permanently in the village. Colby plans to incorporate military gear from different eras to honor all generations of soldiers.

Said Robert Chrien, BNL Art Society President and SBAA Treasurer, “We are now accustomed to the excellent standard in the high school seniors’ artworks. Choosing the Discovery Prize winners is a very difficult task, and the art teachers of all the partici-



Joseph Rubino D1681108

Peter Bond with Colby Grace, who also won BNL’s 2008 Discovery Prize. Grace’s citation read, “Colby Grace of Northport High School has created a sculpture entitled ‘Closure’ — a figure featuring several closed zippers waiting to be opened. This is what scientists do. They are attempting to uncover the secrets of nature. It is a perfect metaphor for the work at Brookhaven National Laboratory. The figure looks as if it would resist any attempts to reveal these inner secrets, which also corresponds to the metaphor of the struggle scientists often experience in their search to discover what is behind the surface — how things are made and how they work.”

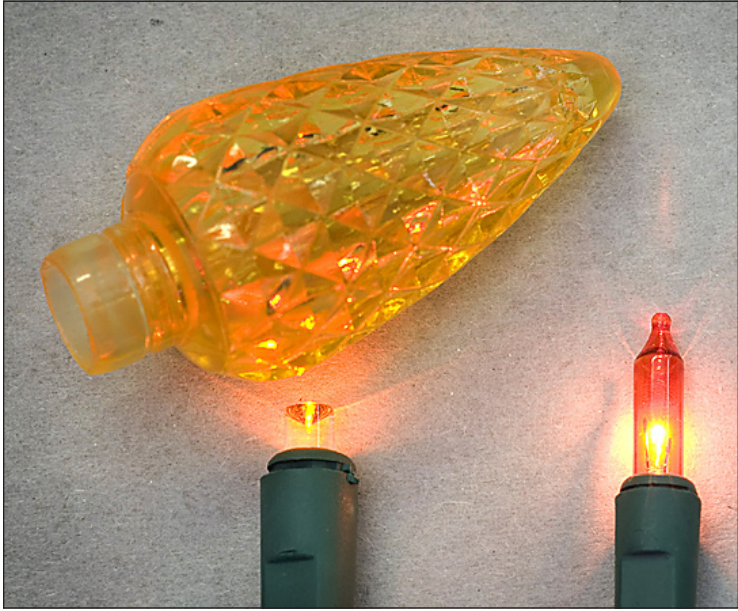
pating students are to be congratulated. This year, we especially congratulate Colby’s sculpture teacher Richard Nunziato and the school’s sponsoring art teacher for the SBAA show, Margaret Minardi, as well as Lauren’s photography teacher, Frank Salino. The art created by both our winners is outstanding, and we look forward to hearing about exciting work from them in the future.” — Liz Seubert

Arrivals & Departures

- Arrivals —
- Steven Jarzabkowski ..... NSLS II
- Christopher Sorrentino..... NSLS
- Departures —
- Haiyan Chen .....Chemistry
- David Dale..... PPM

BERA Notes

- **BNL Gulf of Mexico Virtual Swim for 2009:** Swim virtually 1,750 miles to Mexico, January through March. Swim laps at your own pace to be included in the daily mileage tally. For more information, Ext. 3496, weekdays, 10 a.m.-2 p.m. and 4:30-8 p.m.
- **Bring Your Kids to the Pool:** Children are welcome to the BNL Pool & Gym, Monday and Tuesday, 12/29 and 30, 4:30-8:30 p.m.
- **Gym and Pool Schedule:** On Wednesday, 12/24, the gym and weight room will be open from 7 a.m. until noon and the pool will be closed. All facilities will be closed from Thursday until Sunday, 12/25-28. The gym, weight room, and pool will also be closed from 2 p.m. on Wednesday, 12/31, until Sunday, 1/4.
- **American Red Cross Lifeguard Training:** Registration is now open for the American Red Cross’s Lifeguard Training. Complete this course to receive certification in lifeguarding, waterfront lifeguarding, CPR for the professional rescuer, automated external defibrillator (AED) usage, and first aid. Trainees must be at least 15 years old, pass a mandatory swimming pre-test on 1/18/2009, 10 a.m.-2 p.m., and attend every training session: 1/25; 2/1, 8, 15 or 22 (pick one); and 3/1, 8, 15. Sessions will be held 10 a.m.-3 p.m. at the pool in Bldg. 478. The course and certifications cost \$325 per person, including a \$50 non-refundable deposit. For more information and to register, call Heidi Jochen, (631) 921-6218.



One standard seven-watt incandescent light (right) uses the same amount of electricity as 75 LED lights (left). The LED light cover (top) can then be added to intensify the light’s color.

LEDs Use Fewer Watts

To decorate for the holidays while saving energy, Brookhaven’s Electrical Department has replaced standard incandescent light with energy- and cost-efficient LED (light-emitting diode) light for three decorated trees around the Lab.

In years past, incandescent lights on the largest decorated tree, near the Lab’s main access gate, required a total of 1,750 watts. The new LED lights used this year, which were installed by the Tower Line Crew under the supervision of John Dowd, still shine brightly and use much less electricity. The tree is now decorated with 1,250 LED lights and only eight incandescent bulbs using less than 200 watts.

LED lights have also been used to decorate other trees and save electricity in the Brookhaven Center and Research Support Building.

LED lights provide many advantages. They do not give off heat and are therefore very safe — even on dry pine trees. In addition, the lights also do not produce hazardous waste or create disposal problems.

John Read, Electrical Maintenance and Service Supervisor, explained that the LED bulbs are also physically stronger, as he demonstrated by stepping on one: It did not break!

The use of LED lights also eliminate the dangerous “spaghetti nest” of additional extension cords that were once needed to power the many strands of incandescent lights. Now, a single extension cord can safely provide power to the LED lights that illuminate BNL’s decorated trees.

These LEDs also promise a lifetime of 100,000 hours; at that rate, these same LEDs should light up the holiday seasons for the next 135 years.

— Satya Shanmugham

Reminder: Reimbursement Deadlines

Contributions to health care or dependent day care reimbursement accounts that have not been used by the end of the calendar year must be forfeited, in accordance with Internal Revenue Service regulations. So, be sure to use up balances within all 2008 reimbursement accounts by the end of the calendar year. Remember that many over-the-counter medicines qualify for reimbursement under the health care account. Employees can submit claims for any qualifying expenses incurred in 2008 until March 31, 2009.

Hispanic Heritage Club Meets Today, 12/19

The BERA Hispanic Heritage Club will hold a general meeting today, Friday, December 19, at noon, in Berkner Hall, Room C. All are welcome to bring lunch and join in planning upcoming events, elections, and ideas for the new year.

Renew ID Badges That Expire 12/31/08

New badges have been issued to about 90 percent of BNL employees, but the rest have not yet renewed their badges. BNL employees whose ID badges expire on 12/31/08 must go to the Badging Office in Building 400 to get a new badge. Failure to obtain your new badge will result in confiscation of the expired one. The hours of the Badging Office are Monday to Thursday 8:30 a.m.–4 p.m., and Friday 8:30 a.m.–1 p.m. If you have any questions, call Ext. 2596, 5690, or 5149.

Roger Stoulenburgh D2531208

BSA Noon Recital, 1/14/09

On Wednesday, January 14, 2009, duo pianists Jiayin Shen and Michael Berkovsky will present an entertaining program entitled “Dancing on the Piano,” which will include works by Moszkowski, Mozart, and Ravel. Shen made history as the youngest student ever admitted to the Central Conservatory of Music in Beijing, China, and she now performs around the world to high acclaim. Berkovsky made his New York debut at Avery Fisher Hall after winning Juilliard’s concerto competition. He has won numerous awards, including the 2007 Yale Gordon Competition.

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

Ballroom Dance Lessons Start, 1/7/09

Three new six-week sessions of weekly ballroom dance lessons, sponsored by the BNL Ballroom Dance Club and given by instructor Giny Rae at a cost of \$30 per person for each session, will start on Wednesday, January 7. The new schedule is as follows:

- Beginner ONLY merengue lessons, from 5:15 to 6:15 p.m.;
- Intermediate Bolero lessons, from 6:15 to 7:15 p.m.;
- Intermediate west coast swing, from 7:15 to 8:15 p.m.

Classes and practice sessions are held in the North Ballroom of the Brookhaven Center. Lessons are open to all BERA members: BNL employees, retirees, official BNL visitors and their immediate families (spouse and children). Each BERA member may bring a partner, but a partner is not necessary to participate.

For more information contact: Donna Grabowski, Ext. 2720; Vinita Ghosh, Ext. 6226; Gail Donoghue, Ext. 2838; or Kathleen Tuohy, Ext. 3845.

CALENDAR

— THIS WEEKEND —

Today, Friday, 12/19

**Last Day of Science Gift Shopping**  
Noon-2 p.m. On-Site Science Learning Center (former Science Museum). Fun toys and unique gifts, all science-based, are available for purchase.

**Hospitality Holiday Dinner**

5:30 p.m. Recreation Hall. All are welcome. Dinner will be provided; bring desserts and beverages to share. Contact Jennifer Lynch, jlynch@bnl.gov or Ext. 4894 to let her know if you are coming, and in particular how many children you will bring so that enough toys can be prepared as gifts for them. Bring an alcoholic beverage if you wish.

— WEEK OF 12/22 —

Monday, 12/22

**IBEW Meeting**

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

**Wed., 12/24 (half day)**

**\*Dial 2350 for Santa**

See notice, pg. 4. Lab closed from 12:30 p.m.

**Thursday, 12/25**

**BNL Closed for Christmas Day**  
No Bulletin this week.

— WEEK OF 12/29 —

Thursday, 1/1/09

**New Year’s Day, Lab Closed**  
No Bulletin this week.

— WEEK OF 1/12 —

Wednesday, 1/14

**\*BSA Noon Recital**

Noon. Berkner Hall. Duo Pianists Jiayin Shen and Michael Berkovsky. All are invited to this free concert, open to the public. Visitors to the Lab of 16 and over must carry a photo ID. See notice below.

— WEEK OF 1/19 —

Wednesday, 1/21

**445th Brookhaven Lecture**

4 p.m. Berkner Hall. Alexander Bazilevsky of the Physics Department will talk on “Do Gluons Carry Proton Spin? Toward Resolving the ‘Spin Crisis.’” All are invited to this free talk, open to the public. Visitors to the Lab of 16 and over must carry a photo ID.





### Many of 2008's 237 VIP Long-Term Lab Employees Celebrated at Service Anniversary Reception Given by BNL

A total of 237 Lab employees celebrated long-term service anniversaries this year. Many of these VIPs attended the Service Award Reception held for them on December 2 in Berkner Hall to be congratulated by Lab Director Sam Aronson on their valuable commitment to their work at the Lab. Stars of the evening included Leonard Newman of Environmental Sciences, with 51 years of service, and James Reilly, who has 52 years at BNL behind him, first as an employee, now as a BNL Scientist Emeritus. John Sondericker, Superconducting Magnet Division (SMD), joined the handful of previous BNLers with 50 years of service, closely followed by Nicholas Samios, Physics, with 49 years; and then Arnold Aronson, Energy Sciences & Technology; Joseph Glenn III, Collider-Accelerator Department (C-AD); Harald Hahn, C-AD; and Robert Palmer, Physics, who all celebrated 48 years of service. Katherine Conkling of Radiological Control and John Dabrowski of the National Synchrotron Light Source have served the Lab for 47 years, while the 46-year-BNLer spotlight fell on T. Laurence Trueman of Physics, Russell Dietz of Environmental Sciences, Donald Bastedo of C-A, Richard Hogue of Physics, and William Sampson, SMD. Chellis Chasman of Physics, Keith Jones of Environmental Sciences, George Meinken of Medical, Robert Scheetz of Physics, and Dieter Zantopp of C-AD all celebrated 45 years at the Lab. Nine more BNLers celebrated 40 years of service; 18 have been at BNL for 35 years; 87 were 30-year BNLers; and 39 were celebrating their first long-term award of 25 years.

### Classified Advertisements

To apply for a position, go to [www.bnl.gov](http://www.bnl.gov). Select "Job Opportunities," then "Search Job List."

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees only.

**SR. SECRETARY (CW-3)** – Requires a high school diploma and a minimum of three years' relevant work experience. Must demonstrate competence in administrative secretarial skills. Knowledge of Microsoft Office products (including Word, Outlook, Excel, and PowerPoint) and Adobe Acrobat is required; experience with PeopleSoft products is highly desirable. Must exercise initiative, good judgment, and be a team player; must also be able to work independently and under pressure to handle routine and non-routine office matters. Responsibilities will include but are not limited to: processing domestic travel and relocation reimbursement using PeopleSoft, preparing correspondence, assisting in compiling/maintaining publication files for scientific staff, scanning mechanical and electrical drawings, microfilm cards, and associated documentation to graphic images, linking electronic images to Excel spreadsheets, and sorting/distributing mail. Under minimum supervision, will perform a variety of skilled and complex secretarial tasks and assist other department secretaries on an as-needed basis under the direction of the Collider-Accelerator Department's Administrative Specialist and the Supervisor of the Design and Documentation Group. Collider-Accelerator Department Apply to Job ID # 14698.

**SR. SECRETARY (CW-3)** (Term Appointment) – Requires a high school diploma with formal secretarial or office administration training or equivalent and a minimum of three years' relevant experience. Excellent oral and written communication skills are required, as is knowledge of MS Word, Outlook, PowerPoint and significant experience with Excel and Database systems. Responsibilities include all Human Resource administration in the local entity office, including coordinating all aspects of S.A. Robotics timesheets, reviewing, processing and entering into Deltek Systems. Create and prepare, for both SA Robotics Headquarters and BNL, a monthly site visit report (from the visitor log) to track vendors and visitors. Accounting administration in the local entity office, including all reporting needed for SA Robotics Headquarters in Colorado. Creates and maintains a Purchase Order Status Report for the tracking of all shipping and receiving documentation showing all aspects of the transaction from inception to completion. Review all travel expenses for Project Manager, Superintendent, Supervisor and D&D technicians. Environmental Management Division. Apply to Job ID #14679.

**OPEN RECRUITMENT** – Opportunities for Lab employees and outside candidates.

**SCIENTIFIC ASSOCIATE IV (P-1)** (Term appointment) – Requires a bachelor's degree in mathematics/physics; excellent communication skills, and proficiency in Mandarin Chinese. Computer tools, including MATHCAD, C++, LabView, LaTeX, Word, Excel, and a working knowledge of the programming languages C and C++, and the Unix or Linux operating system required. Some experience in particle physics experiments is desirable. Responsibilities will include assisting with the installation and testing of the Muon Veto System of the Daya Bay Experiment located in China. During these stays, daily reporting to BNL on progress of installation and testing is necessary. This position will require substantial travel. Physics Department. Apply to Job ID #14699.

**ELECTRICAL ENGINEER/PROJECT ENGINEER I (P-9)** – Responsibilities: collect system and subsystem requirements; develop interface control documents; develop final design documents, lead prototype and development stages of development; implement, deploy, integrate and commission various diagnostics and beam instrumentation subsystems; work as a contributing and productive member of a team of system engineers, and perform other tasks as they are identified. Requirements include a BS degree in Electrical/ Electronics Engineering with a minimum of 10 years' experience with a successful track record in the analog and digital signal processing. Excellent written and verbal communication and good interpersonal skills are required to interact with a diverse group of scientist and technical staff. Preferred requirements: MSEE. Extensive experience in the design, development and operation with accelerator beam diagnostics instrumentation with moderate exposure to FPGA technology. Experience in design, development and operation with accelerator particle and photon beam diagnostics instrumentation. Reporting to NSLS-II Accelerator Diagnostics & Instrumentation Group Leader, the selected candidate's responsibility will direct technicians during all phases of construction, commission and operation of National Synchrotron Light Source-II beam diagnostics systems. ERAP eligible \$1000.00. Apply to Job ID #14697.

**ELECTRICAL ENGINEER – INSERTION DEVICES (P-9)** – Requires a BS degree in Electrical Engineering or Physics (an advanced degree is highly desirable) and 10 years of relevant experience in the field of magnetic field measurement, motor controls, DAQ from various sensors and related programming. Responsibilities include designing and testing the equipment for the insertion device magnetic measurement facility and the electrical system/controls interface for all NSLS-II insertion devices using coils and Hall probes, motor controls, DAQ from various sensors and related programming. In addition, will provide technical exper-

## 2009 BNL Holidays

New Year's Day .....	Thursday, January 1
Floating Holiday (Martin Luther King Jr. Day) .....	Monday, January 19
President's Day .....	Monday, February 16
Memorial Day .....	Monday, May 25
Floating Holiday .....	Thursday, July 2
Independence Day .....	Friday, July 3
Labor Day .....	Monday, September 7
Veterans Day .....	Wednesday, November 11
Thanksgiving Day .....	Thursday, November 26
Day After Thanksgiving .....	Friday, November 27
Christmas Eve (1/2 day) .....	Thursday, December 24
Christmas Day .....	Friday, December 25

### BERA Trips in the New Year

Buy tickets for BERA trips at the BERA Store, Berkner Hall, weekdays, 9 a.m. to 3 p.m., Ext. 3347. Remember, coaches leave from the Brookhaven Center. The following trips are scheduled:

**Ice Skating at Rockefeller Center**, and then do as you please in New York City, Sat., 1/31: \$25 per person includes 2-hour skating reservation, skate rental, and luxury transportation. Depart BNL 9 a.m., leave NYC at 5 p.m. See [www.patinagroup.com/east/iceRink/](http://www.patinagroup.com/east/iceRink/)

**NY Knicks vs. Cleveland Cavaliers**, Wednesday, Feb. 4.; 7:30 p.m. game. Free T-shirt! Section 329, Rows H-M. \$55 per person includes ticket and coach fare. Depart BNL at 4 p.m. and return to BNL at game's end, around 10 p.m. MSG Seating.

**NY Rangers vs. Ottawa Senators**, Sunday, March 22; 7 p.m. game. Section 323, Rows B, C, D, E. \$65 per person includes ticket and coach fare. Depart BNL 4 p.m., leave at game's end, around 10 p.m. MSG Seating.

*The BERA Store also carries many items with the BNL/BSA logo which can be used as gifts or souvenirs. Items such as pads, pens, pencils, canvas totes, mugs, sweatshirts, tee shirts, lanyards, phone cards, European voltage adaptors/converters, discount tickets to movies, parks, and more are available for sale. Stop in!*

tise in the R&D, design, installation, and commissioning of all NSLS-II insertion devices. Experience in Lab View, Igor and C/C++ programming is preferred and knowledge of or experience on insertion device controls and EPICS control system is highly desirable. The successful candidate must have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientists, technical staff and users and will report to the NSLS-II Insertion Device Group Leader. National Synchrotron Light Source-II. ERAP eligible - \$1000.00. Apply to Job ID #14696.

**ASIC DESIGNER/ELECTRONIC RESEARCH ENGINEER II (P-7)** (Term appointment) – Requires a minimum of a bachelor's degree in electronics engineering or related field, and minimum of seven years' related work experience that includes development of advanced analog and mixed-signal integrated circuits. An advanced degree and prior experience in low-noise analog electronics and knowledge of radiation detectors and detector technology are highly desirable. Requires the ability to work independently and effectively in a multi-disciplinary environment, and must have excellent communication skills. The successful candidate will be involved in the development of advanced analog and mixed-signal integrated circuits and low-noise analog electronics design. National Synchrotron Light Source Department. Apply to Job ID #14701.

**MECHANICAL RESEARCH ENGINEER II (P-7)** (Term appointment) – Requires a bachelor's degree in mechanical engineering with a proven track record of mechanical systems design and analysis. This candidate must be a highly motivated individual with a minimum of seven (7) years progressively responsible related mechanical engineering design work experience and a sound knowledge of current mechanical engineering principles and practices with demonstrated experience in component design, geometric tolerance and dimensioning, analysis, fabrication and manufacturing practices. This project is being constructed and operated in China and may require some foreign travel. The candidate should have excellent communication and technical writing skills, be experienced in using design software tools such as Inventor-11, analysis tools such as ANSYS and should be proficient with MS-Office and MS-Project management tools. This project requires unique one of a kind experimental systems component designs that are not catalog ordered or of mass production quantities and therefore requires an out-of-the-box engineering design capability and the initiative to see them through completion. Will participate as part of a research team to provide expert mechanical engineering design of system level mechanical components for the Daya Bay Reactor Neutrino Experiment in China. Determines needed resources, prepares

specifications, takes part in design reviews, and makes presentations. Builds and evaluates prototypes and models, constructs and tests systems/equipment and proposes upgrades or improvements. Directs the design effort of designers and draftspersons, provides work procedures and directions to technicians, and serves as an advisor and expert on mechanical system design. Physics Department. Apply to Job ID #14695.

**PHYSICAL SECURITY SYSTEMS SPECIALIST/SR. TECHNICAL ASSOCIATE (T-7)** – Requires a bachelor's degree in an area of study relevant to the position and more than six years' experience with the integration of physical security systems (detection, video assessment, and access control systems), alarm reporting, and security software. Must possess a demonstrated knowledge in working with information technology and security application and practices. Required skills include excellent verbal communication, excellent written communication and advanced competency in computer applications. Physical Security Professional certification by ASIS International (or equivalent) is preferred. Familiarity with Department of Energy and/or Department of Defense policy and directives is highly desirable. Requires the ability to obtain/maintain a DOE Q Access Authorization (security clearance). Plans and recommends to management the physical security systems and service requirements for the division to best protect Laboratory assets. Responsible for the coordination, installation, upgrade, and conversion or servicing of alarm systems, access control systems, video assessment, and all other types of physical security equipment. Defines physical security system standards, policies, required upgrades, maintenance, and day to day management of all security systems through system integrators, and internal/external resources. Laboratory Protection Division Apply to Job ID #14700.

**TECHNICAL SUPERVISOR – VACUUM SYSTEMS I (T-5)** (Reposting) – Responsibilities include work planning, coordination, job training, ES&H review and interface with project engineers and scientific staff. Will direct vacuum group technicians for vacuum system construction, commission and operation. Requirements include an AAS degree in electro/mechanical technology or equivalent and at least eight years of experience with assembly, process, and operation of ultra high vacuum chambers, pumps and instruments; extensive experience with Laboratory ES&H policy, work procedures and at least five years' experience with supervisory skills; excellent written and verbal communication and interpersonal skills, and good computer skills. Accelerator vacuum systems experience is preferred. Position reports directly to the National Synchrotron Light Source II Project Vacuum Group Leader. ERAP eligible \$1000.00. Apply to Job ID #14676.



Michael Herbert C-1-1-00

### Dial 2350 for Santa

For the 26th consecutive year, Santa Claus (who doubles as a BNL Firefighter 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 Wednesday, 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.

**DIAGNOSTICS & INSTRUMENTATION TECHNICIAN (T-5)** (Reposting) – Responsibilities include testing, installation and commissioning of NSLS-II facility beam instrumentation such as beam position monitor, current monitors and photon diagnostics; maintaining quality, calibration and test log of all instrumentation systems. Must consistently show a high degree of initiative and judgment when solving technical problems and have extensive experience in building, repairing and troubleshooting analog/digital diagnostic and instrumentation equipment. Must have in-depth experience in the use of standard test and measurement equipment such as function generators, oscilloscopes, multi-meters, and spectrum analyzers. Requires an AAS degree in electrical engineering technology or equivalent experience, plus at least eight years of relevant work experience performing complex and difficult assignments, troubleshooting complex electronic, electrical, and mechanical systems. Self-motivation and good communication skills required. Preferred requirements include at least eight 8 years experience with electrical and mechanical systems in accelerator beam diagnostics instrumentation; computer controls; and machine shop skills. Position reports directly to the Accelerator Diagnostics and Instrumentation Group Leader, National Synchrotron Light Source II. ERAP eligible \$1000.00. Apply to Job ID #14678.

### Miscellaneous

**OVERNIGHT STAY AT FOXWOODS** - Voucher expiring December 23rd. Good for Sunday through Thursday only. \$75 or best offer. 612-4568.

**TICKETS** - 2 Liberty Statue w/monument passes on Dec. 21, \$10/ea. Chuan, Ext. 3757.

### Free

**TUXEDO CAT** - Pretty and Cute, 2 year old, newtered, all shots. Yong, Ext. 7022.

### Wanted

**PITCHERS & CATCHERS** - 16U Travel Baseball Team needs catchers & pitchers great team, LONGISLANDKNIGHTS@GMAIL. Veronica, 281-6399.

### Community Involvement

**NEW YEAR'S EVE PARTY** - Polish American Independent Club of PortJeff Sta. 12/31 7PM-12:30AM, open bar/dancing/dinner, \$50pp. Mark, Ext. 2574 or 928-5684.

The Bulletin regrets that some ads have had to be omitted for lack of space. The website will still accept ads, however. To have your ad included in the next paper Bulletin, which will be on January 9, 2009, be sure to submit the ad to the BNL website by Monday, January 5. Happy holidays!

## the Bulletin

Published weekly by the Media & Communications Office for the employees, facility users, and retirees of Brookhaven National Laboratory.

Liz Seubert, editor  
Joe Gettler, staff  
Roger Stoutenburgh, photographer

As 2008 comes to a close, the editor and editorial staff thank the following for their invaluable contributions to the content, production, and/or delivery of Volume 61 of the Bulletin:

**Community, Education, Government & Public Affairs (CEGPA)**  
Kelly Backofen, Rick Backofen, Marsha Belford, Gloria Bennett, Kay Cordtz, Ray Dumont, Jerry Gaeta, Tiffany Gagnon,

#### CEGPA (continued)

Peter Genzer, Diane Greenberg, Michael Herbert, Kevin Hester, Cornelius Jackson, Lisa Jansson, Terry Jones, Jane Koropsak, Leon Lawrence, Karen McNulty Walsh, Laura Mgrdichian, Dawn Mosoff, Alex Reben, Joe Rubino, Mona S. Rowe, Gary Schroeder, Kendra Snyder, Tina Walsh, Patricia Yalden

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

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