

Simons Starts Official Physics Program at RHIC

On March 9, the 2006 physics program at BNL's Relativistic Heavy Ion Collider (RHIC) marked its official start when Renaissance Technologies Corporation's Jim Simons, Robert Lourie, Alan Stange, and Mark Rhoades-Brown visited the RHIC main control room. There, Simons, who in January initiated a \$13 million contribution that will enable RHIC to operate for approximately 20 weeks this year, "pressed the button," or, rather, clicked the mouse that brought two beams of protons into collision in the RHIC rings.

Said Lab Director Praveen Chaudhari, "It was a joyous moment to see Jim click the mouse, watch the collisions start, and hear the rise in the murmur of voices tinged with excitement as the display showed the trajectory of the charged particles in the time projection chamber of the STAR detector. Thus began the official Physics Run of 2006."

A scant half-hour earlier, Simons and the other visitors had been warmly welcomed into the Collider-Accelerator Department's (C-A) Snyder Hall. They were greeted and thanked by Chaudhari, C-A Chair Derek Lowenstein, RHIC User Executive Committee Head Brant Johnson, and RIKEN BNL Research Center Director Nicholas

Samios, as well as members of C-A and the Superconducting Magnet Division. Other attendees included the spokespersons of three of the four RHIC detector groups — Flemming Videbaek of BRAHMS, Bill Zajc of PHENIX, and Tim Hallman of STAR, — along with representatives of the user community and the international community.

Simons responded by voicing his pleasure at seeing such a large turnout and reiterating that the gift was given to support the outstanding science at RHIC.

— Liz Seubert

In the RHIC main control room, within a minute of Jim Simons' pressing the button (see below), the STAR detector's display of its time projection chamber (top, right) showed collisions.



Roger Stoulenburgh D060306



Roger Stoulenburgh D057036

The moment in the main control room when Jim Simons of Renaissance Technologies, with the assistance of the Collider-Accelerator Department's Head of Operations Fulvia Pilat, "presses the button" that brings the two beams of the Relativistic Heavy Ion Collider into collision at the official start of the 2006 physics program.

Jim Simons of Renaissance Technologies Corporation is at a Collider-Accelerator Department welcome celebration



Roger Stoulenburgh D0610306

Preparing RHIC for Operations

Jim Simons of Renaissance Technologies officially started RHIC for physics with polarized protons, by bringing the beams into collisions from the RHIC main control room on March 9. The overall process lasted less than a minute, but months of work lie behind this deceptively simple procedure.

Preparation for a new RHIC run typically starts during the summer shutdown, after reviews of the previous year's performance and the next year's plan — which includes accelerator systems improvements — at the RHIC yearly retreat. When the physics community agrees on physics program priorities, usually in late summer, specific plans for a RHIC run are made in the Collider-Accelerator Department.

This year, in January, the operations team ran three weeks of dedicated set-up to prepare an initial beam for RHIC with sufficient intensity and polarization (see RHIC for Beginners box).

The team also tested the performance of a new superconducting Siberian snake, a device designed to improve the level of polarization.

"This new snake holds the promise of pushing the current level of polarization from the present 55 percent up to 65 percent," says Accelerator Division Head Thomas Roser.

The magnets that focus the beams of particles around RHIC's Blue and Yellow rings (see box) are superconducting magnets, which can only work at a temperature of near absolute zero.

The cool-down of the RHIC magnets started on February 1. In

record time, by February 7, the first beam was injected into the Blue ring, and, by February 12, the Yellow ring also held beam.

Says Vadim Ptitsyn, RHIC Run-6 Coordinator, "After only three weeks of set-up with beams, which is a record for polarized protons operations, RHIC has now been in physics mode since March 5. This really demonstrates the high

level of experience reached by the RHIC team, that includes physicists, system specialists, and operations staff."

"The focus of the operations team is now on the delivery of steady collisions to RHIC's STAR and PHENIX experiments during evening, night, and weekends," says Fulvia Pilat, Head of C-A Operations. "The day shift will continue with machine

development, with the goal of maximizing the machine luminosity and polarization."

The accelerator physics experiment program has also started to focus on longer term machine improvements and upgrades.

Sums up Derek Lowenstein, C-A Chair, "We all are looking forward to a successful run with polarized protons and to the experimental results that will ensue."



With Collider-Accelerator Department Chair Derek Lowenstein (front, fourth from left) in the main control room of RHIC are many key members of the RHIC Operations Team, led this year by Vadim Ptitsyn (center).

Roger Stoulenburgh D060306

RHIC Physics 2006: Polarized Protons

This year, the entire run at the Relativistic Heavy Ion Collider (RHIC) will collide beams of polarized protons (see box, right). There are two reasons to run RHIC with proton beams.

First, with polarized proton beams, a long-standing puzzle in particle and nuclear physics about the spin of the proton can be explored. The main constituents of protons, tiny entities called quarks, also spin like tops, but their spins do not simply add up to explain the spin of a proton. The gluons that hold the quarks together may also contribute to the proton's spin, and the orbital motion of the quarks around each other, like the bodies in a solar system, can also add to the spin.

RHIC, the world's only machine capable of colliding high-energy beams of polarized protons, is a unique tool for separating these contributions and answering the question that has

been plaguing physicists for decades — "Where does the spin of the proton come from?"

The second reason to run protons is to provide data to compare with data obtained from heavy ion collisions. The proton provides a vital control experiment, in which scientists do not expect to produce the new state of matter seen when gold ions collide. The ability to see the difference, and also, to compare it to theory, is what gives confidence in the claims of new discoveries at RHIC.

In the last two proton runs at RHIC, the experiments revealed the first exciting glimpses of results that depend on the contribution of gluons to the proton's spin. In this year's run, definitive results are expected on this, together with some information on the orbital motion contribution. The stage will also be set for running protons at much higher energies, so that further studies can be carried out.

RHIC Facts For Beginners

The Relativistic Heavy Ion Collider (RHIC, pronounced Rick), is actually two ring-shaped accelerators, machines built to accelerate particles such as ions and protons and other particles, which are parts of atoms. The two RHIC rings are called the "Blue" ring and the "Yellow" ring. Around these rings, beams of particles are accelerated in opposite directions to nearly the speed of light. At certain points, the Blue and Yellow rings merge so that particles can be made to collide — thus, RHIC is called a "collider." Specially designed detectors, such as STAR, PHENIX and others at RHIC, take the equivalent of "snapshots" to capture the action at these collision points. Scientists then use powerful computers to decipher the data, helping to solve the mysteries of how matter is formed.

This year, RHIC will run "polarized protons." What are they?

Protons are tiny, positively charged, spinning particles in the nucleus of atoms. Like other particles, they can be polarized, that is, made to spin in the same orientation. The more polarized a beam of particles is, the more particles in the beam are spinning in the same orientation. This allows scientists to assess the results of their investigations with greater sensitivity and accuracy.

Intensity: The intensity of a beam of particles measures the number of particles in it.

Luminosity: The luminosity of a collider determines the rate of collisions of particles.

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 Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes
Beginner, Intermediate, Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays & Wednesdays: Pilates
Mondays at noon, Wednesdays at 5:30 p.m., both in Rec. Hall. 9-week session, \$60 for once a week, \$70 for twice a week. Registration is required. Christine Carter, Ext. 5090.

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

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

Tues. & Thurs: Aerobics
5:15-6:30 p.m., Rec. Hall. 10 classes for \$40, or \$5 per class, pay as you go. Pat Flood, Ext. 7866.

Tues. & Thurs: Aqua Aerobics
5:15-6:15 p.m. \$20 to attend once a week, \$40 to attend twice a week. For more information, call Ext. 2873.

Tues. & Thurs: Jazzercise
Noon-1 p.m., Rec. Hall. \$88 for twice-a-week eight-week session, you may use the membership at several Jazzercise locations. Christine, Ext. 5090.

Tues. & Thurs.: Ving Tsun Kung Fu
Noon-1 p.m., Brookhaven Center, North Room. \$80/month or \$10 per class, pay as you go. Taught by Master William Moy. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Tue., Thu. & Fri: Upton Nursery School
8:30 a.m.-noon, Rec. Hall. 2- and 3-day programs available. Kati, 821-4131.

Tuesdays: Welcome Coffee
10 a.m.-noon, Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

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

Tuesdays: Jiu Jitsu Club
6:30-7:30 p.m. 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/toastmnstrs/.

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

Wednesdays: On-Site Play Group
10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Fang Dong, 871-5362.

Wednesdays: Weight Watchers
Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga
Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. New series starts 3/15. See notice, page 3. John Milener, Ext. 3853; Madeline Windsor, Ext. 5069.

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

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

Fridays: BNL Social & Cultural Club
6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Brookhaven Town Honors Two Brookhaven Lab Women

Angela Lauria Baumann

Since 2003, BNL has benefited from Angela Lauria Baumann's expertise in medical ethics, as she has served simultaneously as a volunteer in the Medical Department in three positions: Quality Assurance Physician for Human Research, and Chair of both the Credentialing Committee and the Quality Assurance Committee. At the Lab, Baumann works with scientists to develop ethically responsible protocols that respect the rights of subjects in medical research. She also verifies that all research is conducted by fully qualified and trained personnel and in accordance with federal and state regulations and good clinical practices. Baumann is also a voluntary Assistant Professor of Anesthesiology at Stony Brook University (SBU), and an instructor at SBU's School of Medicine.

"I am honored and humbled to be recognized by Brookhaven Town," Baumann said. "Women often have interrupted career paths to fulfill family and other responsibilities, but hurdles can be overcome. I went to college for the first time at 31, and I ultimately achieved my goal of becoming a physician in my early 40s, in great part because I was blessed with a supportive family. I hope my experience will encourage other women to pursue their goals, no matter what their age. The challenge is to be curious always and to have vision."



Angela Lauria Baumann

Two women who work at BNL — Angela Lauria Baumann and Jill Clough-Johnston — will be honored for their accomplishments at the Brookhaven Town-sponsored Women's Recognition Night at The Meadow Club in Port Jefferson on March 23. They are among 12 women to be honored for contributions to various fields in a ceremony to celebrate National Women's History Month. More details about their contributions are at www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=06-29.

Jill Clough-Johnston

Jill Clough-Johnston is BNL's Small Business Liaison Officer. In that position, she directs and administers the Lab's small business program in accordance with its contract with DOE. Clough-Johnston strives to achieve the subcontract procurement goals for small businesses that DOE sets, and, in most instances, she has

exceeded those goals. Currently, she is planning a small-business procurement fair to be held at BNL on April 28, where small businesses will be able to market directly to many of Long Island's large businesses.

Clough-Johnston is an active member of the Brookhaven Small Business Advisory Council — a Brookhaven Town volunteer group that helps small businesses within the Town

— and she keeps up with women business owners as an adjunct member of the Suffolk County Women's Business Enterprise Coalition. In her spare time, as a volunteer with Long Island Youth Ministries, she mentors a 12-year-old girl.

"I appreciate this honor from Brookhaven Town," said Clough-Johnston.

"I love my job at Brookhaven Lab, and I enjoy working with small business owners. I am also very dedicated to my church, and I find it gratifying to be a mentor for a young girl in my community."

— Diane Greenberg



Jill Clough-Johnston

Brookhaven Lab Celebrates Women's History Month

The Women's Program Advisory Committee (WPAC) works with Brookhaven Women in Science (BWIS) to coordinate presentations, displays, events, and speakers during March, Women's History Month, each year. The purposes of the events are to educate, to enlighten, and to raise interest in women's contributions.

- Kicking off the month on Thursday, March 2, BWIS and the BNL Diversity Office presented the program: "Kate's Pants" by Sandra Hansen. This one-woman play focused on the women's rights movements of the past 150 years.
- Preparations are under way to organize a group of BNL women who each year attend the annual National Training Program (NTP) sponsored by the Federally Employed Women (FEW) organization, which will be held this year from July 17 to 21, in Atlanta, Georgia. The program offers workshops covering subjects in a variety of areas such as: career management, technology and technical skills, personnel, equal employment opportunity and diversity issues, and work, family, and health issues. See www.fewntp.org and www.bnl.gov/diversity/womansPrograms/default.asp#Efforts_and_Achievements.

The Diversity Office encourages BNL Departments and Divisions to consider sending women to the FEW program. Contact this year's Coordinator, Angela Melocoton, Ext. 5322 or melocoton@bnl.gov, as soon as possible for more information

and to provide her with names of participants from your area. Potential attendees should follow Fiscal Services Division travel guidance for allowable and non-allowable costs.

- On Wednesday, March 22, at noon in Berkner Hall, the BSA Noon Recital features prizewinning pianist Jayin Shen who will play music by Scarlatti, Beethoven, Schumann & Liszt (see also notice on page 4).
- On March 23, two women who work at BNL — Angela Lauria Baumann and Jill Clough-Johnston — are among the 12 women to be honored for their contributions in various fields, at the Brookhaven Town-sponsored Women's Recognition Night at The Meadow Club in Port Jefferson (see story, above).

Spring Program Focuses on Stress Reduction

The year's eight-week Spring activity program, "Rise & Shine," focuses on stress reduction and moderate physical activity and teaches BNLees how to deal with stress using various methods.

To register, go to www.bnl.gov/hr/occmcd/HPP.asp and download the registration materials.

Meet Mike Conlon and 'Arnold,' BNL Part-Timers

Arnold, a well-behaved yellow Labrador Retriever, has a big job: He is the guide dog assisting BNL intern Mike Conlon in daily activities.

Conlon, who works part-time in the Lab's Quality Management Office, is learning how to put together the Quality Representative Newsletter. The newsletter is a periodic e-mail communication that provides current information about quality assurance-related initiatives at BNL and DOE.

Conlon is hearing impaired and totally blind and uses a special computer program that allows him to hear the words that are on his computer screen. With the use of a hearing aid, he can hear people who are close by. He also has a special microphone that allows him to hear noises and conversation of people who are in the same room with him. Conlon spends time listening and learning about BNL's scientific research, administrative functions, and social scene.

Says Conlon, "I regularly



"Arnold" (left) and Mike Conlon

'read' the Monday Memo and the Bulletin because they provide me with a lot of information about Lab current events. I use that information to put together the newsletter."

Roy Lebel, Manager of the Quality Management Office says, "We are all here to help Mike recognize his full potential and to help him develop skills that will help him achieve a rewarding career and fulfilling personal life. We are happy to have him and Arnold with us."

Conlon, a student at Suffolk County Community College, lives in Manorville with his parents. When asked if he would speak to BNLees who may have family or friends who are either blind or hearing impaired, Mike answered emphatically, "Definitely!"

"I appreciate the opportunity the Lab has given me, so I'm working hard to learn all that I can," he said. "It's difficult, but I'm a persistent guy and I believe in myself, so I know I can get the job done."

— Jane Koropsak

Meet the Candidates for the 2006 BERA Executive Board

The following four candidates are running for two four-year positions on the Executive Board of the Brookhaven Employees Recreation Association (BERA).

This contest will be decided through an election to be held March 27-31. All employees of BNL, BSA, DOE, and employees of permanent, on-site contractors are BERA members — and are urged to vote. The winners will be able to affect BERA recreation

policies. So, read the campaign statements below to help you make an informed choice when you cast your vote.

Voting will be from 11 a.m. to 1:30 p.m., Monday-Wednesday, March 27-29, at Berkner Hall, and Thursday-Friday, March 30-31, from 11 a.m. to 3 p.m. at the Teachers Federal Credit Union.

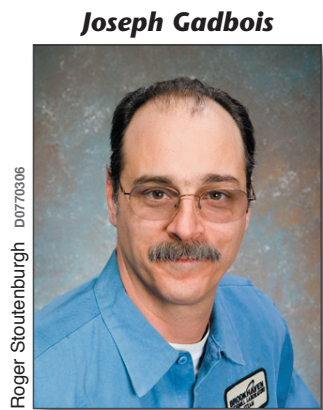
☎ Votes may also be cast on the web from the BERA homepage, which is located at www.bnl.gov/bera/.



Roger Stoutenburgh D0770306

Celeste Tymann of the Staff Services Division joined BNL in 1989. She was a member of the aerobics club for many years and also a member of the fitness club. She enjoys BERA trips and would like to plan more trips into the city: to concerts, more Broadway shows, the Wax Museum, sports events, flower shows, walking tours, Chinatown and the San Gennaro festival in Little Italy. Other great trips might be arranged to Mystic and Foxwoods/Mohegan Sun or Atlantic City.

"If elected, I would encourage employees and their families to get involved with a club that interests them, or to try out something that they have never tried before," she says. "I would also encourage them to go on trips that they may otherwise not have the opportunity to go on."



Roger Stoutenburgh D0770306

Joseph Gadbois, who started at the Lab in 1987, is now a Group Leader/Mechanic in the Plant Engineering Division's Steam Shop.

"I have participated in several NASCAR trips; I also ran two of those trips working with BERA, but not as a BERA Board member. That gave me the reason and incentive to run for the BERA Board," he says. "BERA, in my opinion, is great for all employees, friends and families. You can meet so many new people and check out new things that you might not normally go to."

Gadbois would like to see BERA involved with more outdoor activities, such as concerts, live plays, or even comedy shows.

"If elected, I would work with the Board to try and get these ideas to work," he says.



Roger Stoutenburgh D0750306

Thomas Nolan is a Senior Technical Specialist in the Collider-Accelerator Power Supply Group for the Relativistic Heavy Ion Collider project. He has been employed at the Lab for over 18 years. A current member of the BERA Body Building Club, he has also played softball since 1988, and goes to many Yankee and Ducks games.

"BERA offers Lab employees and their families a great opportunity to meet new people, establish friendships, and enjoy things," says Nolan. "I consider myself a well-rounded person with lots of interests and ideas. If elected, I would bring this to the table in hopes that there would be something appealing to everybody. I would like to see more trips to the theatre district in NYC and perhaps a BERA fishing club that could go out on regular charters."



Roger Stoutenburgh D0780306

Edward D. Sperry IV, a Tech Associate II in the Superconducting Magnet Division, has been employed at the Lab for 27 years and has previously have served two terms on the BERA Board. He has been involved in numerous BERA activities and was BERA Bowling League president for eight years. Currently, he plays softball, volleyball and golf.

"I have been in charge of many BERA trips including Yankee and Met games, trips to New York City, and trips to Atlantic City," says Sperry. "I feel BERA is important for many reasons; social and athletic activities, meeting fellow employees you would normally not get to know in the job setting, plus being good overall for employees' morale. If elected I will continue to be very active as I have been in the past."

BNL's Asian Pacific American Association Offers Dr. Mow Shiah Lin Scholarship

Applications are now being accepted for the second Dr. Mow Shiah Lin Scholarship sponsored by the Asian Pacific American Association (APAA) at BNL. The annual \$1,000 scholarship was initiated last year to honor the late distinguished Brookhaven Lab scientist for whom it was named.

In honor of Lin's research, achievements, and inventions, the scholarship is granted each year to an Asian immigrant with a student visa who is matriculating toward a graduate degree in environmental science, biology, or chemistry at an accredited institution of higher education, in remembrance of the manner in which Lin began his career.

BNL scientists and members of APAA choose the winner. The selection criteria include academic records, references, career goals, and other factors deemed appropriate by the selection committee. The scholarship is granted independent of financial need.

Applications and further information can be obtained by contacting the Diversity Office, (631) 344-6253, or srosario@bnl.gov, or by visiting the APAA website. The application deadline is May 31, 2006.

Mow Shiah Lin began his career at BNL in 1975 as a postdoctoral fellow, and advanced to co-lead a research team working with an environmental remediation company to use selected bacteria to convert toxic oil wastes, such as used motor oils, into useful products. In 2001, Lin shared the R&D 100 Award, given by R&D Magazine to the top 100 technological achievements of the year, for a technology to recover silica from geothermal brine. Lin died suddenly due to a brain aneurysm at the height of his career in 2003, and his fellow employees, friends, and family contributed funds to establish the scholarship.

Children's Swim Lessons, Summer Camp

☎ Applications for swimming lessons and summer camp are now available at www.bnl.gov/bera, in the Recreation Office in 179B, and at the gym & pool.

Weight Watchers

BNLers can register for the next Weight Watchers session on Wednesday, April 5, from noon to 1 p.m. in the Brookhaven Center.

☎ Contact Michael Thorn, Ext. 8612 or mthorn@bnl.gov.

Arrivals & Departures

— Arrivals —

Christopher Ruggles ...Staff Svcs.
Suntao Wang NSLS
Cornelius Whalen Biology

— Departures —

Robert BeuhlerChemistry

Statement on Roadbed Sampling Results

In the Monday Memo of February 6, James Tarpinian, Assistant Laboratory Director for Environment, Safety, Health, & Quality reported the detection of possible contamination embedded in a portion of the main roadbed leading into the main gate. Initially, there was a concern that elevated radiation readings may have been linked to former Lab operations.

A significant sampling effort has now been completed, however, showing that the elevated radiation readings are due to naturally occurring radionuclides mixed into the asphalt and roadbed. "These concentrations are within the range of average background levels seen across Long Island and do not pose a health threat to the public or to anyone who may have worked on the roadbed," notes Tarpinian in the Monday Memo of March 13.

"Of the 106 samples we collected of the asphalt, roadbed, and underlying soil, 27 samples showed detectable levels of thorium, a naturally occurring radionuclide found in varying concentrations in sand and rock. This thorium is apparently present in the aggregate that was used to make the asphalt and roadbed when the road was constructed in the 1960s. The levels are higher than what is typically found in nearby soil, and that is what attracted our initial interest. Only five of the samples indicated the presence of man-made cesium-137, and these concentrations are very low — in the range of 'background.'"

"The Laboratory has provided a summary of the sample analyses to our regulatory agencies," Tarpinian reports.

Employee Lunchtime Tour, 3/24

Stardust Analysis at the NSLS

On Friday, March 24, the Employee Lunchtime Tour will visit with Tony Lanzirotti of the University of Chicago at BNL's National Synchrotron Light Source (NSLS) to learn about the analysis of space dust collected by NASA's *Stardust* spacecraft. All interested employees should meet at the upper lobby of Berkner Hall at noon where they will sign an acknowledgement waiver prior to entering the NSLS experimental area. The group returns to Berkner by 1 p.m.

☎ For more information, contact Elaine Lowenstein, Ext. 2400.

CIGNA Representative on Site, Mondays

CIGNA medical plan participants should know that, from Monday, March 20, a representative from CIGNA Healthcare will be on site in Human Resources, Building 185, each Monday to assist you with any medical claims issues. Janice Petgrave of CIGNA will be available by appointment only every Monday from 10 a.m. to 3 p.m. Appointments will be scheduled every 15 minutes. Be sure to bring all pertinent documentation to your meeting.

☎ To schedule an appointment, call Linda Rundlett in the Benefits Office, Ext. 5126.

CALENDAR
(continued)

— THIS WEEKEND —

Friday, 3/17

*"Dangerous" St. Patrick's Day Ball
8 p.m.-12 p.m. B'haven Center.
"New York's Most Dangerous Big Band." Advance tickets, \$20, BERA Store. See notice, page 4.

Saturday, 3/18

*"Railroad Earth, Blue Grass, Rock
8 p.m. Berkner Hall. Railroad Earth band. See page 4.

— WEEK OF 3/20 —

Wednesday, 3/22

*BSA Concert, Pianist Shen
Noon. Berkner Hall. Pianist Jiayin Shen. See notice, page 4.

Thursday, 3/23

*LabVIEW 8 Lunch Seminar
11:45 a.m.-1:30 p.m. ITD Seminar Room, Bldg. 515. See notice on page 4. Contact Christine Herbst, herbst@bnl.gov, Ext. 5304.

Friday, 3/24

*Employee Tour, Stardust, NSLS
Noon-1 p.m. Visit NSLS to learn about analyzing Stardust samples from the recent NASA voyage. The group meets in Berkner Hall lobby at noon, returns to Berkner by 1 p.m.

Saturday, 3/25

See Bill Cosby Show, Tilles Center
Leave BNL 3:30 p.m. \$45/person includes great seats, luxury bus. For details and other trips, see BERA web page or call or visit the BERA Store, Berkner Hall, 9 a.m.-3 p.m. Ext. 3347.

*Rock Band 'Afterlife'
8 p.m. Berkner Hall. See page 4.

Sunday, 3/26

*New York City Bus Trip
9:30 a.m. Recreation Hall in apartment area, departure for New York City. All are welcome on this Hospitality Committee trip. Bus leaves city at 5 p.m. Tickets: \$10, adults, \$5, children 2-12. Pay Tuesday, 3/21, 11-a.m.- noon at the Rec. Hall. Hanne Herman, haniaherman@yahoo.com or 849-2249.

— WEEK OF 3/27 —

Monday, 3/27

Costco Presentation
9 a.m.-3 p.m., Berkner Hall. Costco reps. will present BNLers with discounted membership rates and offer a \$10 cash card, free 1-hour photo and other coupons to those who join. Renewals are \$48.88 for BNLers. Nick Henn, 982-2070.

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.

Friday, 3/31

Child, Family Safety Presentation

11 a.m.-noon. Recreation Hall in apartment area. All are welcome to a talk by Jim Nemeth, BNL Training Office, on home safety and the Heimlich maneuver as it applies to children. Sponsored by the Quality of Life/BERA/Recreation Office. The Safety & Health Services Division, with Liberty Mutual Insurance, will provide general safety brochures. A movie for children will be shown in the lounge area during the talk. Contact Christine Carter, Ext. 5090, ccarter@bnl.gov, to attend.

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.

SCIENCE JOURNAL EDITORIAL ASSISTANT - The American Physical Society (APS), the world's largest association of physicists and a prestigious publisher of scientific journals, seeks a dynamic and personable individual to work as an Editorial Assistant at our editorial office in Ridge, NY (near Stony Brook and Brookhaven). Responsibilities include assisting our off-site Editors in processing manuscripts, checking in new manuscripts and tracking their progress through the editorial system, processing author/referee correspondence and technical editing. Bachelor's degree or higher in physics or a related field preferred. Some knowledge about electronic publishing or experience with the Internet and WWW applications is desirable. Must have excellent interpersonal communication skills, be self-motivated, organized, detail oriented, able to meet deadlines and be flexible. Starting salary is in the high-30's to mid-40's range depending on education, applicable skills and experience. APS offers career stability and an outstanding benefits package. Send cover letter and resume via e-mail, fax or U.S. mail to: Director of Human Resources, American Physical Society, 1 Research Road, Box 9000, Ridge, NY 11961, e-mail: recruit@aps.org, fax: 631-591-4155. (For general information about the American Physical Society and its journals, see www.aps.org.) EOE M/F/D/V.

**Classified
Advertisements**

Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees
TB3806. ADMINISTRATIVE SECRETARY (A-2) - Requires formal secretarial or office administrative training or equivalent and at least five years' pertinent experience of which two years should be with the Laboratory. The ability to obtain and maintain a DOE "Q" security clearance is necessary. Must possess a high level of proficiency in performing secretarial responsibilities, a thorough knowledge of Laboratory policies and procedures, and the ability to exercise initiative, good judgment, and be a team player. Excellent oral and written communication skills, proficiency in the Guest Information System (GIS), PeopleSoft and Microsoft Office products (Word, Excel, PowerPoint, Access, and Outlook) to generate administrative and scientific word processing, presentations, technical reports, manuscripts, spreadsheets and email also necessary. Will be responsible for providing administrative secretarial support to the Advanced Radiation Detection Group and staff, will report to the group leader and function as the group administrative point of contact requiring the use of established guidelines and procedures involving both routine and non-routine matters. Will handle access-controlled documents and provide considerable coordination and follow-through in assigned office area requiring planning and setting priorities. Will also arrange and track active travel itineraries, both domestic and foreign, interact with Laboratory personnel and outside contacts to arrange conferences, meetings, appointments, services and information gathering. Nonproliferation & National Security Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

TB3717. SR. TOWER LINE PERSON - Under minimum supervision installs, repairs, and maintains overhead and underground electrical distribution lines, systems, equipment, controls and related devices, ordinarily of 2300 volts and over. Duties include rigging, electrical and mechanical work incidental to the installation, maintenance, and repair of equipment, wires, lines, instruments, and fabricated metal on structures such as meteorology towers, pile stack and water tower. Will otherwise perform duties of Electrician A. Plant Engineering Division.

Motor Vehicles & Supplies

03 LINCOLN TOWN CAR - loaded, mint, 20K mi. \$21,000. Rosalie, 289-5704.
00 NISSAN FRONTIER CREW CAB - 6cyl, 4dr, 4x4, a/c, am/fm/cd, abs, a/t, c/c, excel. cond., warr. 55K mi. \$13,500. 399-1670.
97 DODGE GR. CARAVAN - 7 pass, dual slid. door, CD, cass, hitch, 3.3L, a/t rebilt., 135K mi. \$2,750. 758-3284, wjleonhardt@bnl.gov.
95 FORD BRONCO - XLT, 5.8L, 4x4. New/rebilt. trans., tires, breaks, belts. Tow pkg. 82k mi. \$6,000/neg. Ext. 2262 or 474-3846.
94 HONDA CIVIC EX - 4dr sedan, 2nd owner, a/c, c/c, abs, m/roof, V-Tech, many new parts. 118K mi. \$2,800/neg. 903-3383.
94 FORD F150 XLT 4X4 - 8' bed, cap, p/w, p/l, a/c,cb/rd, wnsh/viser, sst/runnig bds, new tires, 143K mi. \$3,700/neg. 219-7241.
93 TOYOTA COROLLA - mnual, 5spd, few dents & ding, new wdshld, 150K mi. \$1,000/neg. Matthew, Ext. 2023 or 289-6765.
89 DODGE CARAVAN - 7 pass, 6cyl, new batt., rebuilt a/t, a/c, am/fm, 110K mi. \$1,500/neg. Ext. 3492 or 734-2593.
88 CHEVY SUBURBAN - 3/4 ton, 2500 series, work truck, runs v. well, nds. body work. 130K mi. \$2,000/neg. 597-6874.
84 MERCEDES-BENZ 380 SL - convertible, red, 2dr., excel. cond., brand new carb. 105K mi. \$9,000. 724-8088.
54 FORD CUSTOMLINE - 4-dr. sedan. \$6,000. Rich, 886-1591.
AUTO RADIO - Blaupunkt am/fm/cd receiver w/dtchbl face, new, still in pkging, pd. \$220, ask \$160. 549-6037 or 294-7574.

Boats & Marine Supplies

23' PEARSON P23K - 1979 sloop, galley, head, fixed keel, 4' draft, sleeps 4, 3 sails, well maint. cruiser/race. \$4,500. Ext. 2788.
27' PEARSON P27 - 1988 sloop w/furler, aft cabin, H&C PW w/shower, wheel, wing keel, 3'4" draft, diesel. \$17,800. Ext. 2788.

Furnishings & Appliances

BEDROOM - 2 night stands, dresser w/ mirror, door chest, oak finish, early Amer. style, vg cond. \$325. Ext. 2799 or 834-4429.
CORDLESS IRON - Oreck, brand new. \$25. Dennis, Ext. 4028.
CORNER PLANT STAND - green, similar to the one here: <http://tinyurl.com/nbul3>. \$5. Angela, Ext. 5322.
DINING ROOM SET - table w/leaf and pad, 6 chairs and china closet, tropical light wood. \$200. Susan, 929-0596.
DINING TABLE - dark pine w/6 chairs, \$100. Chris, Ext. 2094 or 929-5008.
RANGE - GE Profile, 30", gas, \$225; high-riser bed; white wedding gown, 4/6, w/ headpc., best offer. Bill, 395-9610.
SLEIGH CRIB & DRESSER - antique white, dresser doubles as changing table, mint. \$500 for both. 727-3959.
VACUUM - Eureka 12 Amp cannister type, works well, rug beater attachment. \$35. Dennis, Ext. 4028.
WASHING MACHINE - 1 yr. Cylcone, white, works perfectly, still under warr. \$200. Barbara, Ext. 6047 or 294-3858.

Audio, Video & Computers

DIGITAL CAMERA - Sony DSC-P9 4mpx \$90; Sony PDA Clie PEG-T665 color \$80. Gianluigi, Ext. 5336.
FAX MACHINE - Brother IntelliFAX 775 plain paper fax/phone/copier w/extra cartridge. \$45. Ext. 2492.
WIRELESS ACCESS POINT - Linksys BEFW11S4-v3 and USB receiver WUSB11 \$30. Gianluigi, Ext. 5336.
MONITOR - Sony 15" LCD, SDM-S51 speakers \$135, HP Deskjet 832C \$35, HP Scanjet 2300C \$35, Logitech cordless keyb/mouse \$15. Ext. 5336.

Sports, Hobbies & Pets

SKI BOOTS - Salomon men's size 11; Raichle 10.5, \$25/ea. Ben, 513-8275.
SKIS - K2 TNC 207cm w/Marker bindings, \$50; Head 190 w/Tyrolia, \$50; Hart Grem-lin 150 w/Tyrolia, \$20. Ben, 513-8275.
TICKETS - 2 Mets seasonal tickets for Tues. & Fri. games, Loge Section 5, Row G, face value. 751-7023.

Tools, House & Garden

BATHTUB - Kohler Devonshire model, 60x32x20, white, R/H drain, brand new in box, \$200. Steve, Ext. 4211 or 286-3681.
TRASH BINS - Rubbermaid 50 gal. w/ wheels, too lg. for our town. Used 1 mo. exc. cond. \$100/pr. Ext. 6136 or 516-647-8525.

Miscellaneous

BED - high-riser/trundle, \$95/obo; white wedding gown, satin, Victorian style w/ headpc, 4/6, \$90/obo. Bill, 395-9610.
CELL PHONE - Samsung N-105, for T-mobile w/charger and user manual, good cond. \$10. Ext. 5049.
IN-GROUND POOL BISTRO BAR - temp. installation, easy removal, w/table, 2 seats & umbrella, new in bx, \$250. 751-7023.
MINI MOTORCYCLE - children's Honda Minimoto electric motorcycle. 1 yr. old, used 4x, great cond., w/tools. \$200 new, sell for \$75. Ed, Ext. 3050.
SPRUCE, WHITE PINE & FIR TREES - B&B, 5-8 ft., \$45-\$65 avg. depending on selection and quantity, excel. for yard/privacy planting. Tom, Ext. 4507.
STROLLER & CAR SEAT - Graco infant car seat, seat base & stroller, 7 mo. old., vg cond., ask \$120. Ext. 6152 or 903-3383.

Happenings

SBU UNIV. CAFE - 3/19, 2 p.m., features Rod Picott; Gene Casey & The Lone Sharks open show, \$20, (\$15 students). 632-6027.

Farewell Gathering

LOIS MARASCIA - 3/28, 6 p.m., Rock Hill Country Club, Manorville, \$32/pp incl. dinner, gift (cash bar). Pam Yerry, Ext. 7774.

Free

BOWLING BALL, BAG & SHOES - first caller receives all items listed. Fred, Ext. 5319 or 369-9720.

END TABLES - twin set, hexagon, you pick up. Yugang, Ext. 3485.

Wanted

CARPENTER'S HELPER - full time, some experience desired, pay comensurate w/ experience, must have own transportation. Brett, 252-1088.

TEMPORARY APARTMENT - BNL post-doc eagerly seeking a roof above his head from mid-March through end of May. Dean, Ext. 5910 or 919-601-1259.

Lost & Found

FOUND: LADY'S WATCH - in pkg lot nr Payroll. Gold face, blk. lthr. band, blue jewel stem, Tissot brd. Breffni, Ext. 7215.

FOUND: VW KEY - Volkswagen key/remote. NSLS Users' Office, Ext. 8737.

LOST: NECKLACE - men's gold chain lost around 3/1/06 possibly at Berkner or NSLS. Ext. 2295.

For Rent

BOHEMIA - 3-bdrm, l/r, d/r, eik, 1.5 bath., 1st floor of house, util. incl., good for family. \$1,850/mo. Mitch, 218-2722.

FARMINGVILLE - 1-bdrm. gr. flr. apt., kit/lr combo, incl. cent. a/c, own heat control, all util. but phone/internet, no smkg./pets, one mo. sec. \$850/mo. Ext. 4866 or 974-0771.

FARMINGVILLE - 1 lg. bdrm. in house, share bath w/1, full kit., elec incl., avail. 4/1. \$450/mo. Ben, 513-8275.

MIDDLE ISLAND - new lg. 1-bdrm. bsmt. apt., pvt. ent., laundry, cable, internet, no pets/smkg., quiet, all incl. but phone, nr. Lab, 1 mo. sec. \$800/mo. Istvan, 672-2451.

MILLER PLACE - share lg., furn., non-smkg. house w/postdoc in prof. resid. area, fenced bk yd, deck, cable, cac, l/net, own 14x12 w/ w bdrm. 9 mi. to BNL. \$675/mo. 744-8386.

RIDGE - 1 lg. studio, bright & warm, w/full bath, priv. ent. and fenced garden, house apart from owner, park in drway, quiet & safe n'hood. \$700/mo. Zhen, 821-0859.

RIVERHEAD - mobile home, 3 bdrm., full kit., 15 min. to Lab, utils. extra. \$1,100/ mo. 369-9623.

SETAUKET - sublet apt. for rent, pvt. ent., 3 lg. rms., full bath/kit., 1.25 mi to SBU, shops, beach, 1 mo. sec., no pets/smkg., single pref. \$875/mo./neg. 689-9621.

WADING RIVER - 2 bdrm., eik, lg. l/r., lg. den, lg. deck, pvt. pkg., no kids/pets/ smkg., util. extra. \$1,500/mo. 928-9328.

COROLLA, NC - Outerbanks/Oceanside, 5-bdrm., 3-bath vac. home, pool, hot tub, billiard room, see www.family-vacation-homes.com, \$2,695/wk. Carrie, 889-5303.

For Sale

CENTEREACH - 4-yr.-old Center Hall Col., 5 bdrm., 2-1/2 bath, eik, great room, d/r, fin. bsmt., f/p,1st flr. laundry, 20 min. to Lab, 5 min to SBU. \$509,990, 981-2471.

KISSIMMEE, FL - 3.5 miles to Disney, 5-bdrm., 4-bath vac. home, borders nature reserve, pool, spa, comm. tennis, fully furn. \$435,000/neg. Carrie, 889-5303.

NEWPORT, TN - Golf Course Rd. 1.6 acres, corner lot, across road from fairway. 5 min. to town. \$30,000/neg. Ben, 513-8275.

On-Site Services

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

VEHICLE SERVICING - The Lab's on-site service station offers oil changes, check-ups, NYS inspections, new batteries, tires, timing belts, repairs, etc., while you are at work. Ext. 4034.

In Appreciation

A thank you to all my friends who attended my farewell gathering, also to the ones who could not make it but contributed to the gift. All of you made the evening a memorable event. It was a pleasure working with you. Good luck to all
— Siegfried (Ziggy) Naase

Thank you to our BNL friends for your kind thoughts and prayers at the passing of our dear father. — John & Tracy Blydenburgh

Services

Service ads from BNLeers who perform work for others are available on the web. Go to the link "See all ads" at the bottom right of the Intranet homepage, at <http://intranet.bnl.gov/ads/displayAdsAll.asp>. From outside the Lab firewall, you cannot access this list, so you may request an e-mail copy from bulletin@bnl.gov, or call Ext. 2345 or write to The Bulletin, Bldg. 134, BNL, Upton, NY 11973-5000, for a paper copy.

‘Dangerous’ Band for the Ball, Tonight, 3/17

The 20-piece "New York's Most Dangerous Big Band" will perform during a St. Patrick's Day Ball at the North Ballroom of the Brookhaven Center tonight, Friday, March 17, 8 p.m.-midnight. Sponsored by the BNL Social & Cultural (S&C) Club, the event is open to the public. All visitors to the Lab age 16 and over must bring a photo ID. Tickets cost \$20 each in advance at the BERA Store, or \$35 at the door.
☎ Contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov for more information.

Railroad Earth in Concert, 3/18

Railroad Earth, playing a mixture of bluegrass and rock & roll, Rwill give a concert in Berkner Hall this Saturday, March 18, at 8 p.m. The Electrix, an acoustic trio, will open the show. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.Tickets for the concert cost \$20 each if bought in advance from the BERA Store, or ticketweb.com; or \$25 at the door of the show.
☎ Call Ext. 3846 for more information.

**BSA Noon Recital
Pianist Jiayin Shen in Concert, 3/22**



☎ If you are working through lunch, unable to attend the live concert, tune in to WBNL on your computer and enjoy the music at your desk.

Rock Band ‘Afterlife’ in Concert, 3/25

Afterlife: The Ultimate Progressive Rock Experience will perform A in concert on Saturday, March 25, at 8 p.m. in Berkner Hall. Sponsored by the BNL Music Club, the concert is open to the public. All visitors age 16 and over must bring a photo ID. Tickets cost \$15 each, and may be bought in advance at the BERA Store, Berkner Hall, or www.ticketweb.com; or at the door at the show.
☎ Call Ext. 3413 for more information.

New York City Bus Trip, 3/26

The Hospitality Committee invites all BNLeers to join a bus trip to New York City on Sunday, March 26. The bus will depart the Recreation Bldg. at 9:30 a.m. and leave the city at 5 p.m. to return to BNL. Tickets cost \$10 for adults, \$5 for children age 2-12. Pay on Tuesday, March 21, from 11 a.m. to noon at the Recreation Bldg.
☎ To make a reservation, contact Hanne Herman, haniaherman@yahoo.com or 849-2249.

LabVIEW Intermediate Training, Anyone?

The Information Technology Division and National Instruments would like to schedule a five-day LabVIEW Intermediate I and II, this spring, open to all BNL employees. The full course curriculum is available at National Instruments website at www.ni.com. Space is limited to 12 seats.
☎ If you are interested, contact Marcia Swiss, Ext. 4120 or swiss@bnl.gov, immediately.

Hispanic Heritage Club Elections, 3/24

The Hispanic Heritage Club (HHC) will hold elections for all HHC board positions on Friday, March 24, at Berkner Hall, Room C, 11:45 a.m.-12:45 p.m. Only HHC members may vote. If you have questions regarding your membership status, contact a HHC board officer — Omar Gould, ogould@bnl.gov, or Yvette Malavet-Blum, malavet@bnl.gov. Nominees are presently being sought.
☎ Contact Annabelle Petway, Ext. 4776, Petway@bnl.gov, if you are interested in being a HHC board officer.

LabVIEW 8 — What’s New? 3/23

On Thursday, March 23, 11:45 a.m.-1:30 p.m., all are welcome to attend a seminar to be given by Eric Black, a National Instruments field sales engineer, (tel., 631 882-1354), in the Information Technology Division Seminar Room, Bldg. 515. Topics will include: enhancing core LabVIEW skills and discussing recent technologies. Participants will meet with peers and discuss questions, examples, and challenges. Lunch will be provided.
☎ Contact Christine Herbst, herbst@bnl.gov, Ext. 5304.

**Take Our Daughters & Sons To Work Day
Six volunteer students wanted to join live video talks**

"Take Our Daughters & Sons To Work Day" will be on Thursday, April 27. This year, six students at BNL will work as a team to participate in a live video conference with student teams from Argonne National Laboratory and Thomas Jefferson National Accelerator Facility, on the topic of global warming. Meteorologists Victor Cassella of BNL and Michael Wyllie of the National Oceanic & Atmospheric Administration will mentor and help prepare all the students.
Deadline Today! If you have a son, daughter or grandchild who is 13-15 years of age and would like to be a member of this inter-Lab panel discussion, contact Liz Gilbert, gilbert@bnl.gov or Ext. 2315, by today, Friday, March 17, to enter a lottery in which the first six responses drawn will be the BNL representatives.