the Bulletin

BROOKHAVEN NATIONAL LABORATORY

Vol. 62 - No. 41 December 5, 2008

Give Blood, Give Life

Brookhaven Blood Drive, 12/9

The next BNL Blood Drive will be held on Tuesday, December 9, 9:30 a.m. – 3 p.m., at the Brookhaven Center, Bldg. 30. Donors must be 16 to 75 years of age, in good health and weigh over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have a photo ID and know their social security number. To make an appointment, log on to the Human Resources web page, click on "Blood Drive" and select "Schedule an Appointment," or contact Liz Gilbert, Ext. 2315.

When
December 9
9:30 a.m. – 3 p.m.

Where
Brookhaven Center

How
Call Liz Gilbert Ext. 2315

Michael Herbert D21210081

Meet Employee Justin Wojciechowski — A Dedicated Blood Donor

If you ask Justin Wojciechowski why he donates blood every time he has the opportunity, you may be amazed to hear his story.

In 1997, Wojciechowski was vacationing in upstate New York. It was a rainy night. He lost control of his car, hydroplaned, and hit a tree. Following the accident he was in a coma for nine days. Treatment and multiple surgeries following the accident required him to receive numerous pints of blood.

"I was a blood donor before the accident, but it was not as convenient as it is here at the Lab," he said. "When I needed blood it was there for me, and I want to be sure it's available for someone else who may be unfortunate enough to need it. I have participated in every blood drive held at the Lab and plan to do so for as long as I can."

Wojciechowski was working as a shipping and receiving clerk at a New Jersey firm at the time of the accident. The accident left him with loss of mobility on his left side so he was unable to return to that occupation. He came to BNL via the Laboratory Assistant Program offered through the Diversity Office at that time. Wojciechowski, who works for the Lab's Safety & Health Services Division, now spends his workdays tracking chemicals for BNL. "I maintain a database of on-site chemicals for the Lab and review and post Material Safety Data Sheets online so the Fire & Rescue Group knows where the chemicals are located," Wojciechowski said. "The Lab has given me a great opportunity and I'm very appreciative."

> "The motto is true — blood saves lives."
> Justin Wojciechowski

Wojciechowski says he may have been unfortunate that rainy night in 1997 but he truly believes that he was given a second chance to live a healthy life all because someone donated blood. "The motto is true — blood saves lives," he said.

— Jane Koropsak

Tony Bowman Named Chief Human Resources Officer

Tony Bowman, Vice President of Human Resources for Advance Newhouse/Brighthouse Networks, a cable TV provider in Central Florida, has been named BNL's Chief Human Resources Officer, effective November 3. In this position, he succeeds Bill Hempfling, who will retire on February 27.

BNL has approximately 2,800 employees and an annual budget of about $500 million. Bowman is in charge of the Lab's Human Resources & Occupational Medicine Division, managing a staff of about 50 professionals who are responsible for the recruitment and retention of diverse and talented staff, administering the Lab's compensation and benefit programs, employee relations, management and staff development, employee wellness programs, employee assistance services, occupational medical programs, oversight of guest information and human resources information systems, and administering contracts for three on-site unions.

Tony Bowman

"I am extremely excited to join the Laboratory, which has a rich history, offers great promise, and is making a positive difference in science, alternative energy and national security," Bowman said. "In order to compete successfully, Brookhaven Lab must continue to attract employees with the right skills and motivation and integrate them into its existing workforce. It is also equally important to retain and develop current employees, ensure diversity at all levels throughout the organization, and maintain a safe and healthy work environment."

Bowman earned a B.S. in business administration from Bowling Green State University in 1973, and he did MBA coursework at Baldwin Wallace College and Xavier University. He started his career at General Electric Corporation, Cleveland, in 1973, holding various positions, including Employee Relations Manager. He then moved on to become Recruiting Manager at Mobil Oil Corporation, Houston, in 1980. In 1983, he joined the Metropolitan Transit Authority in Houston as Manager of Compensation and Benefits/Consultant, and, in 1986, he became Manager of Human Resources at Lockheed Georgia Company, Marietta, Georgia.

Bowman joined Verizon Wireless in Chicago in 1989 as Manager of Human Resources, and he moved through the ranks to become Division Executive Director, Human Resources, Chicago, a position in which he had responsibility for 9,500 employees in five regions covering 15 states. In 2002, Bowman became a consultant and contractor with HR Strategic Business Solutions, Chicago, providing services to Banco

*See **Bowman** on pg. 2*

444th Brookhaven Lecture: Tuesday, 12/16

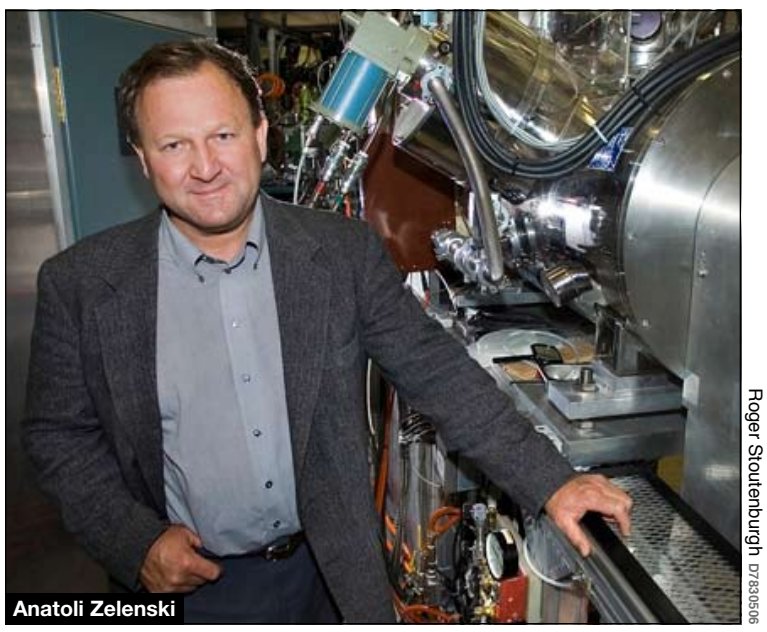
"How It's Made — Polarized Proton Beam"

Physicist Richard Feynman once said that collision experiments are like an attempt to learn how Swiss watches work by smashing two together: you would need to rummage through a lot of junk afterwards to understand what particular pieces did. When scientists at the Relativistic Heavy Ion Collider (RHIC) collide proton beams like Feynman's watches, they use RHIC as a giant microscope to explore the internal structure of protons.

However, at RHIC, scientists have a unique advantage. All protons naturally spin in one direction or another. RHIC is the world's first collider to smash protons that are "polarized" — made to spin in the same orientation. Just as glare and reflections are reduced by polarized sunglasses, polarized proton collisions provide a more detailed, accurate view of the particles and their interactions. Polarization can also be used as a unique signature to identify processes of interest in the complex collisions.

On Tuesday, December 16, join presenter Anatoli Zelenski, a physicist in the Collider-Accelerator Department (C-AD), for the 444th Brookhaven Lecture, titled "How It's Made — Polarized Proton Beam." All are invited to attend this free talk, which is open to the public and will be held in Berkner Hall at 4 p.m. Refreshments will be offered before and afterward. All visitors to the Lab ages 16 and over must carry a photo ID.

During the lecture, Zelenski will explain the state-of-the-art, multi-faceted technique used to make polarized proton beam. This



Anatoli Zelenski

Roger Stoutenburgh D7830506

new process, which took nearly 30 years to develop among collaborating scientists from Russia, Japan, Canada, and the United States, makes it possible to fill RHIC to its maximum capacity with polarized protons. Zelenski will then discuss his current work on another innovative polarization process that will serve as a basis for important RHIC upgrades.

Zelenski earned a Ph.D. in physics at the Institute for Nuclear Research (INR) in Moscow in 1986. He continued to pioneer studies of a particle-spin-transfer polarization technique on behalf of INR through 2000, spending several months in 1992 at the KEK high-energy physics facility in Japan and the next seven years at TRIUMF, a national laboratory in Canada. From 1997-2000, Zelenski led an international collaboration of physicists in developing a polarized proton source for RHIC. He came to BNL as a visiting scientist in 1999 and officially joined C-AD in 2000. In 2003, Zelenski won the BNL Science & Technology Award for his work with polarized ion sources and polarized H-jet polarimeter development for RHIC spin physics. That year, he also earned a second Ph.D. from the INR for his work with spin-exchange methods of proton and H-ion beam polarization from high-energy accelerators and colliders. Then in 2006, he and Alexander Belov of the INR shared one of the Russian Academy of Science's most prestigious awards, the Veksler prize, for work in accelerator physics and the development of high-intensity polarized ion sources for high-energy accelerators.

To join Zelenski for dinner at a restaurant off-site following the lecture, contact Sandy Asselta, sandylee@bnl.gov, Ext. 4550.

— Joe Gettler

Bowman from pg. 1

Popular and to Merisant Inc., the global manufacturing/supply chain company for Equal sweetener. He became Vice President of Human Resources at Advance Newhouse/Brighthouse Networks in 2005.

Bowman serves on the Executive Board of Directors for the Workforce Central Florida and holds memberships in the National Association for Multi-Ethnicity in Communications, the Society of Human Resource Management, and WorldatWork.

— Diane Greenberg

Social & Cultural Club's Dance Party, 12/12

The BNL Social & Cultural Club will hold a "Holidays Dance Party" at the North Ballroom of the Brookhaven Center, on Friday, December 12, starting at 9 p.m., featuring Milagro, a popular seven-piece Santana tribute band. The evening kicks off with a shrimp cocktail and cold hero buffet dinner at 7 p.m. At 7:45 p.m., dance instructress Annette Alicante will give a one-hour dance lesson in "Rumba." The event is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Tickets cost $30 in advance or $35 at the door. Only 150 tickets will be sold. Tickets are available at the BERA Store, Berkner Hall, weekdays, 9 a.m. – 3 p.m.; and at the regular "TGIF @ Brookhaven" dance socials on Friday nights at the Brookhaven Center.

Arrivals & Departures

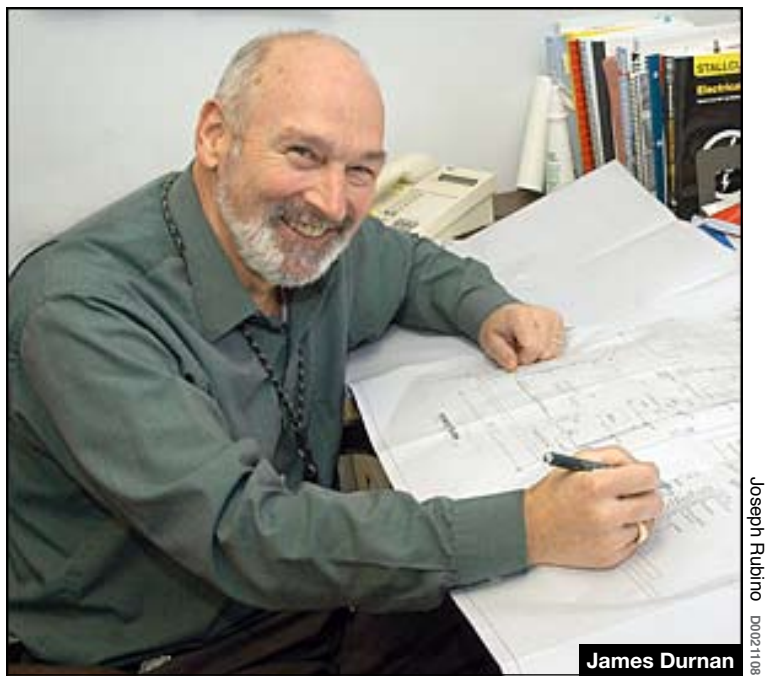
— Arrivals —

Simon Edwards ..... C-AD
Stefano Giorgio..... C-AD
Yue Hao..... C-AD
Robert Hulsar..... C-AD
Michael Pena ..... Facs/Ops
Joseph Zipper.....NSLS-II

— Departures —

Eunmi Choi ..... C-AD

Durnan Receives Secretary's Award For Improving DOE Electrical Safety


James Durnan

Joseph Rubino D0021108

Laboratory Electrical Safety Officer James Durnan, Safety & Health Services Division, received "The Secretary's Appreciation Award" from DOE Secretary Samuel Bodman in recognition of his contributions to the DOE Electrical Safety Improvement Project Team. The award certificate states, in part, that since January 2006, the team "has provided valuable assistance to the Department, facilitating significant improvement in electrical safety performance across the DOE complex."

The team, a subgroup of the DOE Energy Facility Contractors Group (EGCOG) Electrical Committee, meets twice yearly to discuss electrical safety initiatives and improvements for the DOE complex. The team members received their certificates at a recent 2008 EFCOG meeting hosted by DOE's National Renewable Energy Laboratory in Golden, Colorado.

"I am one of about 20 team members who received this certificate, all electrical subject matter experts from DOE sites," Durnan said. "I am able to attend the meetings and be a member of the team because of the support of BNL Deputy Director for Operations Mike Bebon and my management in Safety and Health Services Division. The team's function is to review the unique electrical concerns at DOE sites and provide solutions and guidance to address them for DOE. Some of our achievements are inclusion of safety-related work requirements for research and development laboratories in NFPA 70E, the national standard for electrical safety in the workplace; and development of the electrical severity measurement tool that aids DOE in evaluating the severity of electrical incidents."

At BNL, Durnan assists the Lab Electrical Safety Committee in the interpretation of the National Electrical Code, known as NFPA 70, which is the U.S. standard for safe installation of electrical wiring and equipment, and NFPA 70E. He is also the subject-matter expert for electrical safety and lockout/tagout — specific practices and procedures to safeguard employees from injury due to unexpected energizing or startup of machinery or equipment — subject areas in the Standards Based Management System.

The interpretation of the code is important for assisting electrical workers in maintaining a safe workplace at BNL. Durnan said, "The electrical workers at BNL are the most professional and competent I have met in my career. My job is to assist them in performing their work safely and to code."

A New York State-licensed professional engineer and a certified safety professional, Durnan earned an associate's degree in electronic technology from the Wentworth Institute of Technology in 1967, and a bachelor's degree in electrical engineering in 1974 from Columbia University. He served in the U.S. Army from 1968 to 1970 and became an electronic technician at Consolidated Edison Company upon his return to civilian life. He then joined Gibbs & Hill Engineering in 1974 before coming to BNL as an electrical engineer in 1975.

Durnan left BNL in 1980 to join Stone & Webster Engineering Corporation in the construction of the Shoreham Nuclear Power Plant, and from 1983 to 1990, he worked for the Long Island Lighting Company as plant maintenance electrical engineer for the nuclear power plant. In 1990, Durnan returned to BNL, where he became a safety engineer in the Radiological Control Division. He moved to the Safety & Health Services Division in the same role in 2003, and in 2005, he assumed his current position. —Diane Greenberg

United Way Benefit Events

Holiday Auction, Yard Sale, Used Book Sale. Last day today: Friday, 12/5, at Berkner Hall, 11 a.m. – 2 p.m. Amazing variety of baskets to bid for, something for all. Irresistible books also and who knows what at the yard sale! The final drawing is at 2 p.m. Be in it to win it.

Holiday Breakfast: Monday, 12/8. Enjoy great breakfast food at the Office of Educational Programs, Bldg. 438, 8:30-10 a.m. The $6 donation will go directly to the United Way. Call Kathy Gurski, Ext. 4503, by today, Friday, December 5.

International Food Tasting: Friday 12/12, from noon to 1:30 p.m. in the Recreation Hall. Taste delicious homemade culinary cuisine from around the world. The event is first come, first served. A singing performance by BNL's Yvette Malavet-Blum will also be on the agenda. If you can donate a dish or help serve the food, please contact Jennifer Lynch, jlynch@bnl.gov or Ext. 4894. To attend, you may buy or reserve a ticket from Lynch or pay at the door if enough food is available. A $10 minimum donation is requested for tickets.

Asian Tea House: Tuesday, 12/16, noon to 1:30, Bldg. 463, Seminar Room 157. Relax with soothing tea, home-cooked vegetarian and non-vegetarian fried rice and dumplings, noodles, and almond cookies, for a donation of $5.

Gift Wrapping. Tuesday to Thursday, 12/16, 17 & 18, Berkner Hall, noon to 2 p.m. Donated wrapping paper, ribbon, and boxes will be very welcome. Have your gifts wrapped for $2 or $3, according to size, boxes slightly extra. To be a wrapper, contact Joanne Rula, Ext. 8481.

Starts Today on Site! Noon-2 p.m. Science-Based Holiday Shopping

Fun toys and unique gifts, all science-based, are available for purchase at the Science Learning Center, Bldg. 935 (formerly known as the Science Museum), on three Fridays: today, December 5, and also December 12 and 19, from noon to 2 p.m. Here's a chance to get part of your holiday shopping off your list while helping your children or friends to learn more about science — or just to get intrigued and buy something for yourself. Some examples of what is available: microscopes, desk toys, magnets, Airzooka air cannons, blocks, and marble kits.

Sky Gazing

From BNLer Phil Harrington comes this photo taken at twilight on Monday, December 1, in the southwestern part of the sky, showing a tight, three-way conjunction of Venus, Jupiter, and the crescent Moon, with BNL's Center of Functional Nanomaterials in the foreground. Venus is the brighter of the two planets. Says Harrington, "The event was visible from all parts of the world, regardless of light pollution. People in New York City could see it just as clearly as those watching from Montauk. Another match-up will be visible on December 29, between the Moon, Jupiter, and Mercury, but you will need a nearly perfect view to the southwest to see them. Venus and the Moon will meet up again two nights later, on New Year's Eve."

BNL's Food Drive Gets New Co-Chair: Linda Greves Joins Linda Rundlett

Linda Rundlett, BNL's Food Drive Co-Chair, has a new volunteer Co-Chair: Linda Greves, a workers' compensation assistant in the Safety Engineering Group. Greves takes the place of Maria Beckman, Environmental Safety & Health Division, who left the Lab to move to Ohio, having co-chaired the Food Drive since 2007.

Says Rundlett, "Maria was a great asset to BNL and a wonderful Food Drive co-chair. She had many fresh ideas and was very enthusiastic. I will miss her greatly, but I look forward to working with Linda Greves to keep the program running smoothly and successfully. Linda has such empathy for the less fortunate."

In the Town of Brookhaven's "Interface Program," local organizations and corporations collect and distribute food to families who are facing difficult times. The Lab also partners with the American Physical Society in collecting non-perishable food items for Interface. Together, they have donated over 500,000 pounds of food to Long Island charities.

Greves is happy to be of help to Long Islanders.

Linda Rundlett Linda Greves

Roger Stoutenburgh D1481108

"I joined the BNL Food Drive effort as a volunteer in January 2007," she said. "I realized that there was a great need for food on Long Island. Times have gotten worse, and now, many families are one paycheck away from being hungry or homeless. It could be your next-door neighbor who is suffering quietly, having to choose between food and heat. The BNL Food Drive is a blessing, and I want to assist in any way possible. I am looking forward to working with Linda Rundlett, and all the other BNL Food Drive volunteers and donors. Together, we can make a difference."

Says Rundlett, "Food bins are located across the site in several of the main buildings, including Building 400 lobby. The Food Drive is only possible because of the many volunteers on site who maintain the food bins and make sure the food is dropped off for monthly pickup by St. Anthony's Outreach. I truly appreciate our volunteers. One hundred percent of all donations go toward the Food Drive. We know how much this food is needed in our own backyard, so it is heartwarming to see so many generous gifts of food from BNLers." — Liz Seubert

SBU Student Wins Dr. Mow Shiah Lin Scholarship

Ning Zhang, a graduate student at Stony Brook University's (SBU) Department of Materials Science & Engineering, has won the fourth annual Dr. Mow Shiah Lin Scholarship. The Asian Pacific American Association at BNL initiated the scholarship, which consists of $1,000 and a plaque, to honor the distinguished late BNL scientist for which it is named.

"My deep and sincere gratitude goes to Dr. Lin's family and to all others who made this scholarship possible," Zhang said. "My career goal is to become a research scientist like Dr. Lin at an institute like Brookhaven Lab."

Mow Shiah Lin began his career at the Lab 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 coworkers, friends and family contributed funds to establish the scholarship.

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

Ning Zhang earned a B.S. in materials science in 2006 from Fudan University, Shanghai, China. Later that same year, he came to Stony Brook University, where he expects to earn his Ph.D. in materials science by 2010.

At the ceremony, Zhang gave a talk on "Defect Structures in Silicon Carbide." He explained that silicon carbide is gradually replacing conventional semiconductor materials, such as silicon and gallium arsenide. Silicon carbide eventually may be used in the photovoltaic solar panels in spacecraft, high-power electronic devices in electric vehicles, and power devices in the public electric power distribution system, which would result in greater efficiency and energy savings in each of these applications. Defects in the material can cause negative effects in its performance and yield. Zhang studies these defects at the atomic level at BNL's National Synchrotron Light Source and at the Advanced Photon Source at DOE's Argonne National Laboratory in Chicago, Illinois.

— Diane Greenberg

For more details on this story, see www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=861.

Roger Stoutenburgh D2771008

Beth Lin, widow of Mow Shiah Lin and member of the BERA Asian Pacific American Association, with Ning Zhang, Stony Brook University

Hospitality Holiday Dinner, 12/19

The Hospitality Committee invites all to a family holiday dinner at 5:30 p.m. on Friday, December 19, in the Recreation Hall. Dinner will be provided; please 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.

'Naturally Obsessed' Documentary Highlighting BNL to be Shown 12/10

A one-hour documentary on the trials and tribulations faced by aspiring scientists, filmed in part at the National Synchrotron Light Source (NSLS) at BNL, will be shown at 4 p.m. on Wednesday, December 10, in Berkner Hall. Recorded during a three-year span, *Naturally Obsessed: The Making of a Scientist* follows a group of Columbia University student researchers as they study a protein that could reveal a new path toward the treatment of diabetes and obesity. The screening is free and open to the public. Visitors to the Lab age 16 and older must bring a photo ID.

After months, and even years, of preparation in the lab of Columbia University professor Larry Shapiro, the student researchers featured in the film make numerous trips to the NSLS to use x-ray crystallography, a powerful technique that can identify the positions of atoms within a protein, revealing the details of its structure. Mixing humor and heartbreak, the documentary brings to light the challenging and uncertain path these eager students take.

The film was produced and directed by Carole Rifkind, an author and educator, and her husband Richard Rifkind, former head of the Columbia University Cancer Center and Chairman Emeritus of the Sloan-Kettering Institute for Cancer Research. The two will lead a question-and-answer session after the screening. *Naturally Obsessed* is the directors' second documentary film and attracted more than 600 Columbia University students, faculty, and staff to its premiere in early October.

"We made this film with the intention of making the world of science a more vivid and accessible aspect of contemporary culture," said Richard Rifkind. "I hope that this film will help open the way for more films that stimulate and awaken interest in science among students, their parents and teachers, and the general public."

Said John Shanklin of BNL's Biology Department, "The feelings captured in *Naturally Obsessed* mirrored many of the emotions I have felt and seen in others who share this journey we call science. This film should be required viewing for those striving for a career in science from high school to grad school. It accurately portrays the process of science with all the highs, lows, intensity, and humor that come with the experience."

— Kendra Snyder

Service Anniversaries

The following employees celebrated a service anniversary during August 2008:

— Thirty-Five Years —

Peter Heotis ..... Rad. Control

— Thirty Years —

Raymond Karol ..... C-AD
Ronald Longacre ..... Physics
Cornelius Waide ..... C-AD
Charles Trabocchi..... C-AD
Stephen Musolino .....NNS
John Woods..... C-AD
Roy Barone .....Lab Protect.
Walter DeBoer .....NSLS

— Twenty-Five Years —

Janice DePass.....Env. Restor.
Elaine Lowenstein ..... CEGPA
James Murphy.....NSLS
Charles Hofmayer..... ES&T

— Twenty Years —

Mark McNeill..... C-AD
Maryellen Meier ..... PPM
Kevin Smith..... C-AD
Chi-Chang Kao .....LS Dir.
Chien-IhPai ..... C-AD
John Butler ..... C-AD
John DeBoer..... C-AD
Anthony Costantini.....Facil. Ops.
Piyush Joshi.....Magnet
John Biemer ..... Eng. & Utils.
Fredrick Horn.....S&HS
Mary Brathwaite .....Instrum.

— Ten Years —

Elizabeth Ginty..... Rad. Control
Keith Klaus.....NSLS
Martin Candito, Jr. ..... C-AD
Alistair Rogers ..... Env. Scis.
Nikolay Malitsky ..... C-AD
John Triolo .....Instrum.

BSA Noon Recital: Piano, Violin Duo 12/10

Duo Prism, comprised of pianist Rieko Aizawa and violinist Jesse Mills, will perform in concert on December 10, at noon, in Berkner Hall. Sponsored by BSA, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID. In 2006, Aizawa and Mills won first prize at the Gaetano Zinetti International Chamber Music Competition in Verona, Italy. They have performed throughout the United States and toured Italy in 2007. They will perform works by Mozart, Prokofiev and Grieg.

Defensive Driving: Two Parts, 12/15 & 18

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts, on Monday and Thursday, December 15 and 18, in the Brookhaven Center South Room, from 6 p.m. to 9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility users, and their families. The cost is $38 per person.

Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

Joseph Rubino D0041208

North Gate Booth to Open Tuesday, 12/9

Next Tuesday, December 9, Laboratory Protection Division personnel will begin staffing the new North Gate booth checkpoint on Upton Rd. The North Gate entry is for employees only; users, guests, and visitors must continue to use the Main Gate for ID validation and Lab entry.

Employees entering the Laboratory via the North Gate must stop at the new booth and present Laboratory identification. Outbound vehicles should use caution in this area and obey all traffic signs while exiting the Laboratory.

CALENDAR

Friday, 12/5

***U. Way Auction & Used Book Sale**

11 a.m.-2 p.m. Berkner Hall lobby. To join in the auction, buy tickets, choose among the amazing variety of gift baskets you would like to win, place one or more tickets in the jars marked for the baskets you chose. The drawing to see which tickets win will be held at 2 p.m. Maybe you'll get lucky! For people who like books, hurry before someone else buys the one you would have liked. All for a very good cause. See pg. 2 for other United Way events coming up.

Saturday, 12/6

Play About Madame Curie

7 p.m. Berkner Hall. One woman play, *Manya: A Living History of Madame Marie Curie*. Open to the public. Visitors ages 16 and over must carry a photo ID. Refreshments and cash bar will be available. Tickets: $10/adults, $5/students, free under age 12, buy at http:lipta.org, or at the door.

— WEEK OF 12/8 —

Tuesday, 12/9

***BNL Blood Drive**

9:30 a.m.-3 p.m. Brookhaven Center. See story, pg. 1.

Wednesday, 12/10

***BSA Noon Recital**

Noon. Berkner Hall. Pianist Rieko Aizawa and violinist Jesse Mills will perform Mozart, Prokofiev, Grieg. See notice, left.

***Documentary Film With NSLS**

4 p.m., Berkner Hall. Film on trials faced by aspiring scientists, filmed in part at the National Synchrotron Light Source. See story at left.

Friday, 12/12

***Michael Jazz Trio in Concert**

7 p.m. Brookhaven Center, South Room. See pg. 4.

***Holiday Dance Party, Live Music**

7 p.m.-midnight. Brookhaven Center, North Ballroom. Featuring Milagro Band. See ticket prices, etc. in notice on pg. 2.

— WEEK OF 12/15 —

Mon. & Tues., 12/15 & 16

Book and Gift Fair

10 a.m.-2 p.m. Berkner Hall lobby. Resolve holiday shopping right here at this BERA-sponsored new book and gift sale. Discount prices.

Tuesday, 12/16

***444th Brookhaven Lecture**

4 p.m. Berkner Hall. Note unusual day for a Brookhaven Lecture. Anatoli Zelenski, Collider-Accelerator Department, will talk on "How It's Made — Polarized Proton Beam." All are welcome to this free lecture, open to the public. See story, pg. 1.

BERA News

Toy Drive: Toys are needed for children who will lack holiday gifts. Please drop new toys, not wrapped, at the BERA Store, or at the Recreation Office, Bldg. 400.

Life Guard Certification Classes: are now forming for February, 2009. Must be 15 & older. Call 631-921-6218 to be put on the list.

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/.

To apply for a position, go to www.bnl.gov. Select "Job Opportunities," then "Search Job List."

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

ADMINISTRATIVE SERVICES ASSISTANT (A-2) – Requires excellent oral and written communication skills, modern computer skills and familiarity with word processing, data bases, presentation, and e-mail applications required. At least four years of related experience required. Limited travel includes attending specialized training and various conferences, workshops, and meetings. Must successfully complete a rigid background check and may include a limited-scope polygraph examination concerning National Security issues. U.S. citizenship and the ability to obtain and maintain DOE "Q" and "SCI" Access Authorizations are required. Regularly and independently, as a primary point of contact, responds to queries from internal and external sources. Responsible for handling classified documents, entering classified information in various secure data systems and generating reports. Will spend considerable time training and mentoring under the direction of the various SME's within the BFO, to master the critical skills and knowledge necessary to operate as the CI front office representative to inquiries and BFO regional services. Requires highly developed organizational skills, includes responsibilities for planning, organizing, and coordinating all administrative activities of the Brookhaven Field Office (BFO). Counterintelligence Office. Apply to Job ID #14687.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in biochemistry, microbiology or a related field, with demonstrated experience in construction of recombinant DNA molecules, protein expression and purification, and transfection of mammalian cell lines. Will contribute to established research projects in either structure-function analysis of plant and mammalian metal ion transporter proteins, or genetic analysis of adenovirus mechanisms of virus particle transport across the cell membrane. Statement of Research Interests required in CV. Under the direction of P. Freimuth, Biology Department. Apply to Job ID #14682.

ASSISTANT/ASSOCIATE SCIENTIST – Requires a Ph.D. in physics, chemistry or materials science and at least two years of postdoctoral research experience at the time of appointment. Primary focus and expertise in theoretical/computational soft matter or biophysics research are required, as is demonstrated capability to effectively leverage close interaction with experimental programs. Good communication and interpersonal skills are also required. Research accomplishments both in theoretical/computational methods and in fundamental understanding of soft matter or biophysical phenomena are expected. Will join the interdisciplinary Theory and Computational Group in the Center for Functional Nanomaterials (CFN). Will be responsible to establish a vigorous, independent research program and to actively engage in research activities with external users of the CFN facilities. Will be expected to focus on areas aligned to key research themes in the CFN e.g. biomimetic and macromolecular assembly strategies, structural and dynamical properties of soft and biological matter at the nanoscale, and new routes to assemble hybrid nanostructures. In addition, the candidate should include research activities directed to the development of theoretical and/or computational approaches. Will have opportunities to interact closely with experimental groups. Under the direction of M. Hybertsen, Group Leader, Center for Functional Nanomaterials, Theory and Computation Group. Apply to Job ID #14683.

POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in organic chemistry, bio-organic chemistry, or related fields. Must have experience with bio-sensor development and be familiar with biochemical methods for protein and DNA work, biofunctionalization of inorganic surfaces, and nanomaterials synthesis and characterization. Will develop nanoscale biosensors for the specific real-time detection of nucleic acids, proteins and metabolites. Exploring a unique method for the rational design and fabrication of nanoparticle clusters using bio-encoded nanoscale building blocks, the project's primary goal is to develop biosensors for the real time detection of toxicity markers, including the detection of specific stress proteins and metabolites, and stress induced changes in expression and modification of DNA and RNA (including siRNA). Will work under the direction of D. van der Lelie (Biology Department) and O. Gang (Center for Functional Nanomaterials). Apply to Job ID #14685.

POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in chemistry physics or a related field. Expertise and experience in the safe operation of ultrafast lasers and familiarity with ultrafast pump probe spectroscopic techniques is required. The ability to apply these techniques to the study of the primary processes of photochemistry and radiation chemistry is highly desirable. Under the direction of R. Crowell, Chemistry Department. Apply to Job ID #14686.

RESEARCH ENGINEER I (P-9)/RESEARCH ENGINEER II (P-7) - NANOPOSITIONING SYSTEMS (reposting) — The Experimental Facilities Division of the National Synchrotron Light Source II is seeking an experienced engineer to provide novel ideas and techniques in identifying promising approaches to achieving sub-1nm precision, carrying out the necessary R&D to demonstrate the feasibility of these approaches, and developing prototypes and ultimately working stages for use by experimenters. This position may provide work direction or supervise a small staff as needed. Requires a minimum of a BS degree in engineering or equivalent (MS degree is preferred), and seven to 10 years of progressively relevant experience. The successful candidate must possess experience utilizing advanced engineering practices in developing precision positioning systems, preferably for optical or similar applications as well as a strong background in experimental engineering and instrumentation. Knowledge of state-of-the-art piezo stages and optical interferometers is highly desirable. Reporting to the High Spatial Resolution Group Leader, the selected candidate, depending upon experience level, will either contribute to or lead the engineering effort necessary to meet the technical challenges associated with developing positioning systems with sub-1nm precision for NSLS-II. Must have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientists, technical staff and beamline users. National Synchrotron Light Source II. ERAP Eligible - $1,000.00. Apply to Job ID #4477.

SR. TECHNOLOGY ANALYST (I-5)/TECHNOLOGY ENGINEER (I-6, reposting) – Requires a BS degree Computer Science, Engineering, Physics or equivalent and a minimum of one to three years' experience in controls engineering and/or programming. Responsibilities include working on a team to design, develop, and deploy accelerator subsystem applications including all aspects of the subsystem; gathering requirements, developing any new drivers and tools as needed and provide component test, installation, integration, automation and operational support. Should possess sound analytical/problem-solving skills, communication skills and the ability to work effectively with a diverse group of scientists and engineers. Knowledge of modeling and online simulation, instrumentation, steady state control and transition diagrams, and data acquisition is preferred. Experience or education in hardware design and VHDL is desirable. Reports to the Controls Group Leader, National Synchrotron Light Source II. ERAP eligible - $1,000. Apply to Job ID #14392.

TECHNOLOGY ANALYST (I-4) – Requires a bachelor's degree in computer science or related discipline or equivalent experience. Experience in installing licensed software suites and customer support, carrying out hardware/software upgrades, and assisting in evaluating new technologies is essential. Some programming experience with scripting languages such as PERL, ASP, JAVA, and an understanding of HTML and Web page creation is desirable. Familiarity with Active Directory in a corporate Domain setting and familiarity with network architecture and infrastructure is a plus. Responsibilities will include setting up a variety of computer systems for the Collider-Accelerator Department users in accordance with BNL/DOE requirements. Will respond to and resolve user support requests, and may perform System Administration, programming, and networking tasks under direct supervision. Candidate should possess superior customer service skills and have the ability to handle multiple tasks quickly. Will require a current NYS Driver's License and the ability to perform moderate lifting (under 30 pounds). Call in for after hours and weekends may sometimes be required. Collider-Accelerator Department. ERAP Eligible - $1,000.00. Apply to Job ID #14684.

TECHNICAL ASSOCIATE I – ELECTRONICS (T-5) - 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.

Motor Vehicles

02 ACURA 3.5RL METALIC GREEN - Recent tires and brakes. 41K mi. $13,800/neg. David, Ext. 7484.

01 SUZUKI XL-7 - Orig. owner 4 X 4, 7 passenger, well maint. 20mpg, gold, a/c, auto, no accidents/dents. 102K mi. $4,500/neg. Ext. 5090 or 821-2558.

01 HYUNDAI ACCENT - 2dr. hatchback 4cyl. 5spd. cd gd cond. 38mpg, dependable well maint. 96K mi. $2,200/neg. Frank, Ext. 2022 or 433-9205.

00 HYUNDAI ELANTRA - 4dr, a/t, well maint'd, gd. cond., sm. dent on the trunk. 132K mi. $1,975/neg. Sugadev, Ext. 2770 or 560-3202.

99 MERCURY SABLE LS - 6cyl,a/t,a/c,abs,6CD changer, all pwr. leather seats, sunroof email:zhongw@bnl.gov. 126K mi. $2,650/neg. Zhong, Ext. 4375.

94 TOYOTA CAMRY - dark blue, good cond., 4cyl., a/t, a/c, abs, c/c, am/fm/cd, 30 mpg hwy., orig. owner. 139K mi. $2,500/neg. Steve, Ext. 5397 or 631-675-9242.

78 PONTIAC TRANS AM - 455 big block, Turbo 400,a/t,p/s, N.O.S. decals, new heater core & front leather seats. 49K on mtr. 59K mi. $8,500/neg. Kim, 721-7333.

Furnishings & Appliances

BOX OF ASSORTED COLLECTIBLES - View at tinyurl.com/586zoa . All for $20. 631-404-8109.

DINING ROOM SET - oak, 15 yrs old, 4 side chairs, 2 arm chairs, upholstered seats, 64"x42" w/ leaf, $200/firm. Ext. 2289.

FIBER OPTICS - flowers and clock, $5/ea. 404-8109.

Audio, Video & Computers

35MM SLIDE SCANNING - www.pictureperfectscans.com scans slides, prints, neg, restores to original glory, delivered on DVD. Music slideshows avail. 928-6469.

LAPTOP PC - Dell Inspiron 700m, 12" LCD, 1.23GB ram, centrino M 1.7GB, 60GB HD, 4lbs, gd shape, $400. Ext. 3319.

RADEON X1650 PRO 512MB CARD - Blistering Graphics for games & movies, AGP 8X/4X video card unused, new in box ask/$50. Ext. 8587 or 492-7174.

WII GAME - All Star Cheer Squad, excel. holiday gift, use w/ or w/o balance board, $40. Ext. 8709.

Sports, Hobbies & Pets

DOG CRATE - medium sized, portable plastic travel crate, used 5 mos., dog outgrew it, 25. Kelly, Ext. 4901 or 580-2940.

JET TICKETS - 2 tickets, 2 different games. 12/14/08 vs Buff and 12/28/08 vs Miami. Sec 237 row 6 $115/tkt,face. John, Ext. 4028 or 821-5334.

NORDIC TRACK SKI MACHINE - classic steel & hardwood x- country exerciser, low miles, gd. cond. $65. Frank, Ext. 2022.

SKIS - w/poles/boots, numerous sets, call for details. chris, Ext. 2094 or 831-3469.

Tools, House & Garden

KEY DUPLICATOR MACHINE - bench grinder, like new, $35. Frank, Ext. 2022.

Miscellaneous

BRICKWORK & SAND REPAIRS - Make your walkway or patio look new. 25 yrs. exper. Expert, honest estims. BNL discnts. No job too small. Tony, 736-7942.

HOSPITAL BED, GERIATRIC CHAIR - wheelchair and commode, everything for free, all in gd cond. James, 874-3796.

TODDLER TOYS/MUSICAL TABLES - Misc. toys for toddlers, gently used, email msmickey65@verizon.net for list/pictures. Maria, Ext. 8142.

Community Involvement

HOLIDAY CRAFT FAIR - Vendors/crafters wanted - True North Comm. Church, 366 Terryville Rd, P. Jeff. Sta, Sat.Dec. 13 12-5. Katelyn, 631-413-9565.

Free

EPSON INK CARTRIDGE - Numerous Ink cartridge for an Epson Stylus 860 printer, black & color. Walter, Ext. 8587 or 492-7174.

Wanted

BABY GATE - portable tension-type gate needed, gd. cond., reasonably priced. Betty, Ext. 3562 or 758-2653.

Lost & Found

NECKLACE - lost child's gold chain in CFN parking lot. Lisa, Ext. 2009.

Cool! Fusion! Bebop!

Share the Michael Jazz Trio's Passion for Music, 12/12

The Michael Jazz Trio — all three boys have the middle name of Michael — will perform on Friday, December 12, 7 p.m., at the Brookhaven Center. Their newly released CD will be available for purchase at the concert.

Tickets cost $10 and may be bought at the BERA Store, or through www.ticketmaster.com, www.ticketweb.com, or at the door. Advance ticket purchase is strongly recommended. For more information, call 631 344-5139.

Young Men, Big Talent

Three brothers share their passion for jazz

When you first talk to the Godfrey brothers — Matthew, David, and Jordan — about music, you will immediately sense their passion for it. In most ways, they are typical kids. But they possess a special attribute: musical talent. When these three young local musicians stand together and pound out jazz tunes on the keyboard, saxophone, and drums, you may just stop in your tracks to listen.

The oldest, 14-year-old Matthew, became interested in music and started playing drums in school. "My real interest was piano, though," he said. "My grandparents started to teach me how to play piano and I just loved it." Matthew's quiet demeanor will draw you in when you watch his fingers glide across the keyboard.

David, 12, seems quite comfortable with the sax around his neck. He remembered, "one day, Matthew and I were practicing and our [8-year-old] brother Jordan sat down behind the drums and just started playing. We were all amazed at Jordan's natural ability to follow along."

Their parents said that the boys have taken a few music lessons but they really have taught themselves to play. "They listen to a song and then pick up their instruments and begin playing it," said their father, Michael. "My wife and I realized that our sons seemed musically inclined at a young age. They asked us if they could play in front of local stores. They loved performing. As parents we thought they were incredibly talented, and we didn't want to dampen their enthusiasm, so we agreed. But what happened next surprised us all."

Soon after the boys began playing in front of local stores, they were asked to perform at a fundraiser for the New York City Department of Corrections in front of an audience of almost 3,000 people. "That was a defining moment in their career," said their mom, Esther. That summer they performed over 50 times, including at a fundraiser for the Long Island Breast Cancer Cabaret.

The boys say they are inspired by music legends like the late John Coltrane and Duke Ellington. Their parents say their sons have inspired them. "We are so proud of them," said their dad. "They practice their music diligently and work equally as hard in school. Recently our family has experienced some economic difficulties but every time we look into the eyes of our boys we feel incredibly blessed and happy."

— Jane Koropsak

For Rent

MASTIC - Professional Wanted - 5 mins to BNL, 1BR duplex apt w/ pvt ent. New appliances; W/D; all util incl. No pets/smoking. Sec. req'd. $1,500/mo. 281-1812.

MEDFORD - 2 bdrm, grnd level apt., quiet st., eik w/new appl., 15x10 bdrm, 20x25 l/r, f/p, lg bath/closets, heat/wtr/cable incl., sep elec., pvt ent., use of yd $1,400/mo. Jonathan, 730-8866.

RIDGE – Large 1 Bedroom/1 Bath, 7 min. to Lab, Heat and AC, All Utilities, Washer & Dryer, Cable TV, Private Entrance & Driveway. $1150 (631) 236-9114.

ROCKY POINT - For sublet 2 mos from 12/07, spacious 2BR 1bath house, very quiet neighborhood, fully furn, email rockypoint18@gmail.com . $650/mo./neg. Shri, Ext. 4940 or 631-849-5296.

SELDEN - 1 BR, l/r, kitch., driveway parking, priv. patio and entrance, A/C, basic cable incl., own thermostat, N/S, no pets, incl. all. $1,100/mo. Sue, Ext. 4931.

For Sale

SHOREHAM - 4 bdrm., 2.5 bath Col., frml l/r and d/r, den w/fp, fin. bsmtm, 12 x 20 deck., igs, granite counters, SWRSD, much more, 7 mi to lab $499,900 Don, Ext. 2253 or 821-3320.

Cafeteria

HOLIDAY DINNER CATERED - Nayyarsons Food Service will prepare you a delicious, troublefree dinner: just heat and serve! Contact Bob or Ray, Ext. 3541.

Slow roasted maple glazed Virginia ham or Roast turkey sliced off the bone, mashed Yukon Gold potatoes with homestyle gravy, honey-glazed carrots, string beans amandine, choice of two freshbaked holiday pies: $150 plus tax. Feeds 12 to 15 people. Virginia Ham or Turkey alone: $85 plus tax. Order by 12/19 for 12/24 or 12/31 pickup before noon. Ask about our 3-foot hero, shrimp cocktail, or canapé packages, available for New Year's Eve pickup.

the Bulletin

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

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

On the Web, the Bulletin is located at 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.

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