

'Blue Light Special' at BNL

A specially intense blue light shone for the first time on February 13 at BNL's Deep Ultra-Violet Free Electron Laser (DUV-FEL). On hand to see this 400-nanometer (billionths of a meter) wavelength light were National Synchrotron Light Source (NSLS) Department scientists Adnan Doyuran, Bill Graves, Henrik Loos, Timur Shaftan, Brian Sheehy, and Li-Hua Yu, with technical specialist Phil Marino. It was a satisfying — and visible — reward for the hard work of many.

"Achieving this 400-nanometer-wavelength light is an important milestone in the development of the DUV-FEL," says Erik Johnson, the NSLS's DUV-FEL Project Manager. "It paves the way to producing even shorter, more intense 100-nanometer-wavelength laser light."

Visible light's wavelength ranges from 400 to 700 nanometers (nm). When it produces the more energetic 100 nm light, the DUV-FEL will become an important tool for studying chemical reactions.

The commissioning experiment, led by Yu, achieved the visible 400-nm light by Self Amplified Spontaneous Emission (SASE) (see box, right).

The experiment demonstrated that the components of the machine work successfully and have been appropriately tuned. The scientists also found that the light intensity was about 600 times higher than anticipated.

"We were pleasantly surprised by how intense the output light was," says Johnson. At least two factors contributed to this high output and its comparatively rapid attainment, he explains: The high quality of the beam generated by the linear accelerator, and the beam alignment, which allows rapid and precise correction of the beam trajectory.

"However, light produced by the SASE process is just the starting point for the DUV-FEL program," Johnson says.

The project has its roots in earlier work. In 1999, in what was an important milestone for the field, the High Gain Harmonic Generation (HGHG) process (see box) in an FEL was tested for the first time by a team of scientists led by Yu.

This experiment at BNL's Accelerator Test Facility used a 10-micrometer-wavelength infrared laser to provide a coherent starting signal for the lasing process. Some of the same scientists involved in the successful HGHG experiment are now planning to extend that work to wavelengths down to 100 nm or fewer at the DUV-FEL.

BNL's DUV-FEL will complement the Lab's other light source, the NSLS, in many ways. The DUV-FEL's pulses of light are up to 1,000 times shorter than those produced at the NSLS, enabling the study of time dynamics of molecules and chemical reactions. DUV-FEL light is also coherent, meaning that the

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While many people were involved in the development and installation of the DUV-FEL machine, a smaller core of individuals carried out the commissioning and initial SASE experiment. Among them: (from left) Richard Heese, Jim Rose, Phil Marino, Timur Shaftan, Li-Hua Yu, (seated) Boyzie Singh, William Graves, Adnan Doyuran, Henrik Loos, and Brian Sheehy. (Not in photo, Joe Greco, Erik Johnson.)

Roger Stoutenburgh D0050402

Learn About the SASE, HGHG Processes

BNL's Deep-Ultra-Violet Free Electron Laser (DUV-FEL) uses fast-moving electrons traveling at close to the speed of light. They are produced in a photo-injector and brought to their high energy by a linear accelerator. They then go through an undulating magnetic field in a "wiggler" device that forces them to wiggle, and thus to emit light.

SASE

In the Self Amplified Spontaneous Emission (SASE) process, the DUV-FEL's output light starts from "noise," or random signals, that naturally happen in the wiggler.

HGHG

In BNL's High Gain Harmonic Generation (HGHG) process, the DUV-FEL's output light starts from the

fast-moving electrons interacting with a laser called the "seeding" laser. The conditions are set so that the output light has a frequency that is a harmonic, or a multiple, of the frequency of the input laser light.

Similarly to the way one can strike a key on a piano and set the strings of higher octaves in motion, the HGHG process shifts the wavelength of the seeding laser to a higher frequency, generating a wavelength for the output light, the HGHG light, that is beyond the range of the original laser.

In addition, the coherence, or orderliness, of the seeding laser is imparted to the output DUV-FEL light, providing a light beam that is significantly more coherent than light produced by the SASE process. — Patrice Pages

372nd Brookhaven Lecture Bill Weng Presents SNS Overview

Neutron scattering is an important research technique that can help scientists understand how atoms vibrate, how

proteins fold and unfold, and how molecules interact with one another. This information is useful to scientists seeking to im-

prove and design new materials such as high-temperature superconductors, powerful lightweight magnets, better lubricants, and stronger lightweight plastics.

With a long history in neutron scattering and accelerator science, BNL is one of the six DOE national labs developing a new, accelerator-based source of neutrons called the Spallation Neutron Source (SNS), located at Oak Ridge National Laboratory in Tennessee.

To hear about this exciting project and the progress made by the BNL team, come to the 372nd Brookhaven Lecture, where Bill Weng of the BNL Center for Accelerator Physics will present "An Overview of the SNS Project: A Personal Perspective" at 4 p.m. on Wednesday, April 17, in Berkner Hall. Weng will be introduced by Thomas Kirk, Associate Laboratory Director for Nuclear & High Energy Physics.

Weng, the senior team leader of BNL's SNS effort, will trace the history of using neutrons for research and describe the birth of the SNS project in 1995. He will also discuss the new mode of multi-lab partnership in project construction, including BNL's role in designing, manufacturing, and testing the SNS accumulator ring.

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Deborah Johnson Heads BNL's Internal Audit

Deborah Johnson was named Director of Internal Audit for BNL, effective March 1. She replaced Franklin Federmann, who has retired.

Johnson is responsible for directing financial, operational, and compliance audits for BNL, which has about 3,000 employees and a total annual budget of over \$400 million. Her office serves as an independent resource for conducting internal audits and studies, coordinating outside audit activities, and providing expert information and guidance on effective internal controls and prudent business practices.

Johnson reports to the Laboratory Director and advises the Brookhaven Science Associates (BSA) Board of Directors on audit matters.

"These are dynamic times for the internal audit profession," Johnson said. "As of January 1, 2002, The Institute of Internal Auditors put in place new standards for the professional practice of internal auditing that provide an enhanced systematic



and disciplined framework for audit activities."

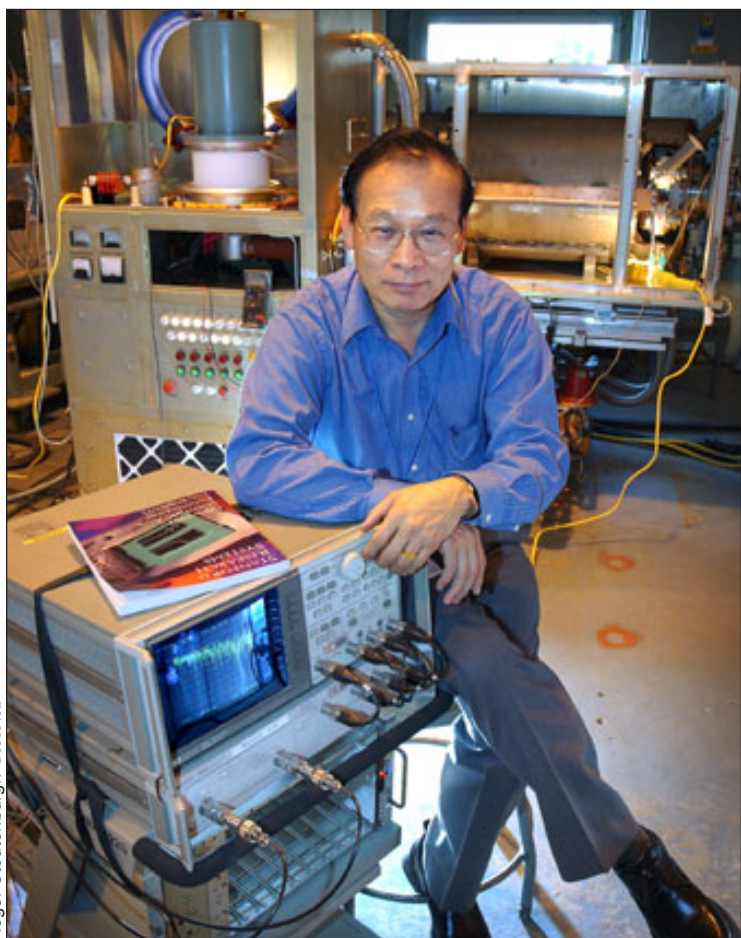
Johnson received a B.S. in business economics in 1980, and an M.S. in technological systems management from Stony Brook University in 1995. A certified public accountant in

New York State and a certified fraud examiner, she began her career in the public accounting profession before joining BNL as a senior auditor in 1987. In 1990, she became the Lab's Deputy Chief Internal Auditor, and, in 1998, following BNL's change of management contractors, was named Deputy Director of Internal Audit at BNL, a position she held until she took on her current title.

From 1991 to 1993, Johnson participated in the development of a peer-review program for DOE's contractor audit functions. She served as chair of DOE's professional standards subcommittee from 1993 to 1996, and later as a peer-review advisor for the DOE contractor audit community.

(continued on page 2)

Bill Weng is seen in front of the completed prototype radio-frequency cavity and power amplifier for the SNS Accumulator Ring.



Roger Stoutenburgh D0050402

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 M. Kay Dellimore, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) 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 —

Mondays: BNL Gospel Choir
5:15-7 p.m. Berkner Hall. www.bnl.gov/bera/activities/choir/.

Mon., Tues., & Thurs.: Kickboxing
\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Mary Wood, Ext. 5923, or wood2@bnl.gov.

Mon., Tues., & Fri.: Tai Chi
Noon-12:45 p.m., Rec. Bldg. Scott Bradley, Ext. 5745, bradley@bnl.gov.

Tuesdays: Welcome Coffee
10-11:30 a.m. Rec. Bldg. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Mimi Luccio, 821-1435.

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

Tuesdays & Thursdays: Aerobics
5:15-6:30 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics
5:15-6:15 p.m. \$2 pool fee per class or use pool pass. Mary Wood, Ext. 5923.

Mon. Tues., Wed., Thurs., & Fri.: English for Speakers of Other Languages Classes
Various times. Rec. Bldg., 2nd Floor. Learn English. Make friends. Jen Lynch, Ext. 4894.

Wednesdays: On-Site Play Group
9:30-11:30 a.m., Rec. Bldg. Parents meet while children play. Monique de la Beij, 399-7656.

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

Wednesdays: Weight Watchers
noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesdays: Yoga Practice
noon-1 p.m., Rec. Bldg. Free. Ila Campbell, Ext. 2206.

Wednesdays: Stretch
5:15-6:15 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

Wednesdays: BNL Ballroom, Latin & Swing Dance Club Lessons
5-9 p.m. North Ballroom, Brookhaven Center.
• Register now for series 4 classes (see 4/10)
• Ballroom dance socials: 4/13 and 5/18.
Marsha Belford, belford@bnl.gov or Ext. 5053, or www.bnl.gov/bera/activities/dance.

Thursdays: Falun Dafa Class
noon-1 p.m., Free. Rec. Bldg. Falun Dafa refines the body and mind through exercises, meditation. www.falundafa.org.

Fridays: BNL Social & Cultural Club
7-11:30 p.m., Brookhaven Ctr., dance social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

— THIS WEEKEND —

TODAY, Friday, 4/12

Diversity Office, BNL Asian Pacific American Association Lecture
noon-1 p.m., Berkner Hall Auditorium. Ling-Chi Wang, Chair of the Ethnic Studies Department at the University of California at Berkeley, will present "The Impact of the Wen Ho Lee Case on Asian American Scientists and Engineers." Wang will also hold a discussion in Berkner Hall, Room D, from 3:30 to 5 p.m. For more information, see www.apaa.bnl.gov/april12.htm.

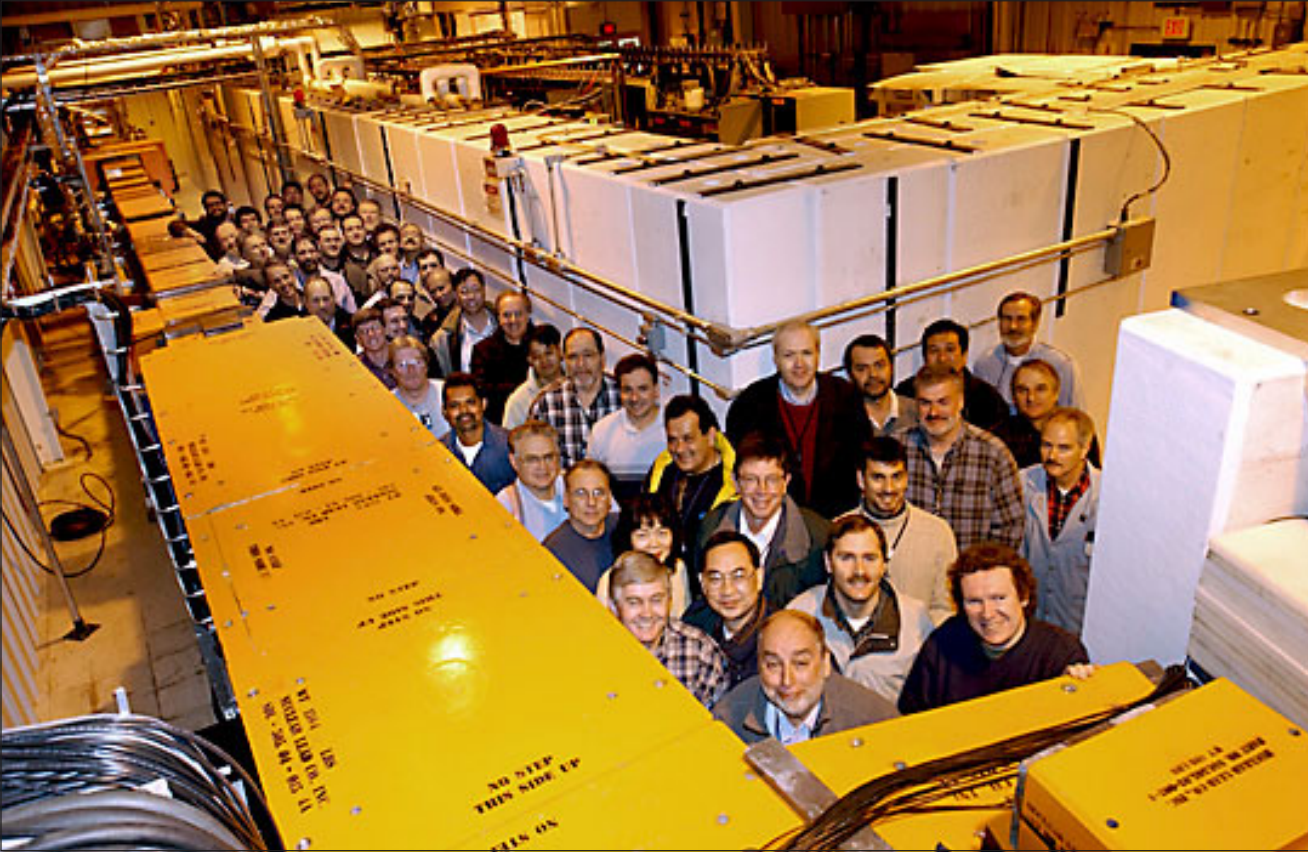
GLOBE Meeting
The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting at 7 p.m. Plans to celebrate Gay Pride Month in June will be discussed. For the meeting's location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information about the GLOBE club, see www.bnl.gov/bera/activities/globe.

Saturday, 4/13

Manhattan Bus Trip
\$10 per adult, \$5 per child (ages 2-12). The Hospitality Committee is taking a bus trip to Manhattan. The bus departs from the Lollipop House at 9 a.m., returns from city at 6 p.m. Mimi Luccio, 821-1435.

BNL Ballroom, Latin & Swing Dance Club: April Saturday Social
8-11:30 p.m., monthly informal evening of ballroom, Latin & swing dancing to the MacIntosh MP3 Laptop Orchestra. Marsha Belford, belford@bnl.gov or Ext. 5053.

‘Blue Light Special’ — the Deep Ultra-Violet Free Electron Laser at BNL (cont’d.)



Many of the National Synchrotron Light Source's Deep Ultra-Violet Free Electron Laser team are gathered in the Source Development Laboratory, celebrating the successful effort to achieve a 400-nanometer wavelength beam of light.

Roger Stoutenburgh 0690302

particles of light, or photons, move like soldiers following marching orders, in contrast to incoherent light, in which the photons follow their own pace. The FEL's coherent light will have a peak intensity more than a billion times higher than that of the NSLS.

"The high power and short timescale of FEL light is expected to open entirely new fields of research in much the same way that the NSLS rings did 20 years ago," says NSLS

physicist Graves, who led the electron beam development effort at the DUV-FEL. "The NSLS will continue to be invaluable to a broad user community, while the FEL will provide enhanced capabilities for some specialized experiments."

The DUV-FEL is one of just a handful of FELs in the world designed to operate in the ultraviolet, and it is the only facility designed to generate light through the HGHG process.

"It is also an important resource for the FEL research community right now," Graves says, "because most of the other similar FEL programs are shut down for upgrades or are under construction. For a period of about a year, we are the only game in town for doing this kind of work, which will increase our collaboration with scientists from DESY [German Synchrotron Laboratory] and SLAC [Stanford Linear Accelerator Center]."

According to Johnson, the prospects for the facility are bright. "Production of light at wavelengths below 400 nm is planned in the coming year, experimental use of the laser for chemical physics experiments should begin, and it will continue to provide a platform for exploring upgrade paths for the NSLS scientific program."

— Patrice Pages
More information on the DUV-FEL project is available at: <http://nslsweb.nsls.bnl.gov/nsls/org/SDL/>.

Deborah Johnson

(cont’d.)

Currently, Johnson is a member of the Energy Secretary's steering committee for quality auditing. She is also a recipient of the Town of Brookhaven's 2000 Woman of the Year Award for Business.

Johnson's professional affiliations include membership in The Institute of Internal Audi-

tors, the Association of Certified Fraud Examiners, and the American Institute of Certified Public Accountants. She has served on the New York State Society of Certified Public Accountants' committees for nonprofit organizations and tax-exempt organizations.

— Diane Greenberg

Dress For Success Drive Postponed

The Dress For Success clothing drive announced in last week's Bulletin as scheduled for May 8-10 is postponed until fall. However, by starting now to collect business attire in excellent condition for women re-entering the workforce, the fall drive will be extra successful.

‘Daughters to Work’

Register on the form mailed to all employees to bring your daughters to work on Thursday, April 25, so that they may discover what their parents do for a living, participate in on-site activities, and consider if a career in science is in their future.

Parents who work in areas where minors may not visit and who are unable to arrange for "host parents" for their daughters should indicate on the form that a host is needed. For more information, contact Susan Foster, Ext. 2888.

Friendly Goose Lives in BNL’s Backyard



Roger Stoutenburgh 01090302

"He's a silly little goose," said Joe Cracco, a technical project supervisor in the Physics Department, as he handed his feathered friend a cracker. The goose, which Cracco has named "Charlie," has been living in the area north of BNL's Waste Management Facility for about a year.

Unlike most wild animals, which tend to be hesitant and apprehensive around people, Charlie is very friendly, and loves human company. "Charlie will actually come to you if you call him — even from several hundred yards away," says

Cracco, who first met the goose several months ago when he was walking near the headwaters of the Peconic River with some friends.

Cracco is not the only BNLer who has befriended Charlie. In fact, Cracco knows of several others who have been feeding the goose different types of grain. Cracco brought his wife, children, and grandchildren to the Lab one weekend to meet Charlie, who greeted them warmly, and even tried to follow as they were leaving. "I get a kick out of how much Charlie loves people," said Cracco.

— John Galvin

BNL Lecture (cont’d.)

Like the Booster that feeds the Alternating Gradient Synchrotron (AGS) at BNL, the SNS ring will accumulate pulses of high-energy protons. When ejected, the protons will collide with a target to produce neutrons for the scattering experiments.

In addition to covering the status of the U.S. SNS project, Weng will also discuss the competitive worldwide race for new facilities.

Weng, a senior physicist, earned his Ph.D. in 1974 at Stony Brook University and came to the Lab in 1977. After heading Accelerator Physics in the AGS Department 1980-1983, he left to join the Stanford Linear Accelerator Center. Returning to the AGS in 1987, Weng became Booster Project Manager and later, in 1995, SNS Project Manager in the Collider-Accelerator Department.

Refreshments will be offered before and after the talk. To accompany the lecturer to dinner after the talk, contact Pam Manning, Ext. 4072.

— Karen McNulty Walsh



Opera at Noon, 4/17

The next noon recital, on Wednesday, April 17, will feature excerpts from Claudio Monteverdi's opera *The Coronation of Poppea*, staged by the Stony Brook Opera and the Stony Brook Baroque Ensemble.

Widely regarded as the masterpiece of 17th century Italian opera, this work was first performed in Venice in 1643. Emperor Nero, enamored of Poppea, who was the wife of Otho, sent the latter abroad so that he could pursue her.

On returning, the despairing Otho is commanded by Octavia, wife of Nero, to kill Poppea. Otho promises to do it, but lacking the spirit to deprive his adored Poppea of life, he dresses in the clothes of Drusilla, who was infatuated with him.

Thus disguised, he enters the garden of Poppea, but his love still prevents the fatal blow. The plot is discovered; Octavia is expelled from Rome, and Nero makes Poppea his wife.

This BNL performance is a preview of the complete work to be given at the Stony Brook University's Staller Center on April 19 and 21.

Noon recitals are free and open to the general public.

The BERA Board Winners Are . . .



Susan Monteleone and **John McCaffrey Jr.**

John McCaffrey Jr., Magnet Division, and Susan Monteleone, Energy Sciences & Technology Department, have been elected to the Executive Board of the Brookhaven Employees Recreation Association (BERA).

Chosen by BERA members in elections held during the week of March 25, they will replace outgoing BERA Executive Board members Rosalie Piccione, Procurement & Property Management Division, and Tracy Blydenburgh, Safety & Health Services Division.

On May 1, McCaffrey and Monteleone will start their four-year terms on the Board, joining the other six incumbent members: Susan Cataldo, Medical Department; Tom Dilgen, Magnet Division; Charles Gardner, Collider-Accelerator Department; Luis Nieves, Siemens Rolm Communications; Laurie Pearl, Information Technology Division; and Ed Sperry IV, Magnet Division.

Calendar (continued)

— WEEK OF 4/15 —

Tuesday, 2/16

VoiceStream Wireless Demo
10 a.m. - 2:30 p.m., Berkner Hall. Special rates will be presented to BNLers on VoiceStream's wireless network. Richard Goll, (516) 343-5900.

Wednesday, 4/17

***372nd Brookhaven Lecture**
4 p.m., Berkner Hall. Bill Weng of the Collider Accelerator Department will present the 372nd Brookhaven Lecture, "An Overview of the SNS Project: A Personal Perspective." See story, page 1.

Thursday, 4/18

BWEN Seminar
noon-1 p.m., Berkner Hall, Room B. Noreen O'Donnell of the Information Services Division will be this month's speaker. Arlene Zhang, Ext. 5369, arling@bnl.gov.

BAC Meeting
12:30-1 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meeting, Open Session. www.bnl.gov/bac.

BERA Bridge Club
7 p.m., Berkner Hall Cafeteria. Morris Strongson, Ext. 4192, mms@bnl.gov.

Saturday, 4/20

***Earth Day Run/Walk**
3 p.m., Berkner Hall. Registration/Check-In will begin at 1 p.m. For more information, see www.bnl.gov/eday.

— WEEK OF 4/22 —

Monday, 4/22

IBEW Meeting
6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

Tuesday, 4/23

Healthline Lecture
Noon to 1 p.m., Berkner Hall. Carolyn Gallogly, Associate Dean at St. Josephs College, will present "Vital Aging: A New Vision of Growing Older." All are welcome. Check your mailbox for registration information. Mary Wood, Ext. 5923 or wood2@bnl.gov.

Wednesday, 4/24

Verizon Wireless Demo
11 a.m. - 2 p.m., Berkner Hall. A representative will present BNLers with special rates on wireless service. Hary Campbell, 516-458-9122.

Thursday, 4/25

Take Our Daughters to Work Day
Daughters, ages 9-15, are invited to participate in this national day sponsored by the Ms. Foundation for Women. Susan Foster, Ext. 2888, foster2@bnl.gov.

— WEEK OF 4/29 —

Tuesday, 4/30

VoiceStream Wireless Demo
10 a.m. - 2:30 p.m., Berkner Hall. Special rates will be presented to BNLers on VoiceStream's wireless network. Richard Goll, (516) 343-5900.

Workshops: Cholesterol & Hypertension
Cholesterol workshop: 11:30 a.m.-12:15 p.m. Bldg. 490, small Conference Room. Participants must register in advance to have blood work done prior to the workshop.

Hypertension workshop: 12:30-1:15 p.m. Bldg. 490, small Conference Room. Topics will include nutritional foods, healthy dining out, easy cooking, travel monitoring for success. Program will be facilitated by a registered dietitian. For registration information, contact Mary Wood, Ext. 5923, wood2@bnl.gov.

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. Please enter the 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.

Pick a Student

Become a sponsor for a Community Summer Science Program (CSSP) student. CSSP is a six-week summer program that offers talented local high-school juniors and seniors lectures on BNL research in the mornings and internships in the afternoons. Student interns participate in research under the direction of BNL staff at no cost to the sponsoring department. This year, the program will run from Monday, July 8, through Friday, August 16.

Student applications will be available for review at the Science Education Center, Bldg. 438, from Monday, April 15 to Friday, May 23. Contact Louise Hanson, Ext. 5849 or hanson2@bnl.gov for more information.

Arrivals & Departures

Arrivals

none

Departures

Anthony Prusik ITD
Li Wang C-A

U.S. Open Tennis, 9/3

The BERA Tennis Committee has scheduled a bus trip to the U.S. Open Tennis Championships at the National Tennis Center in Flushing, Queens, on Tuesday, September 3. The cost of \$61 per person includes round-trip bus transportation and a ticket for the day session. The bus will leave from the BNL tennis court parking lot at 8:30 a.m. and will stop at the LIE exit 63 park & ride. The bus will return home from the Tennis Center at 7:30 p.m.

Paid reservations can be made at the BERA Sales Office in Berkner Hall, weekdays, from 9 a.m. to 3 p.m.

'March Into May'

This year, 447 BNLers have joined the "March Into May" fitness program, compared to 332 people in 2001.

For submitting registration forms, the following people won duffle bags in the first raffle: Deana Buckallew, Medical; Terri Loffredo, Budget Office; Pete Recksiek, Medical; Diana Teich, Procurement & Property Management; and Cathy Wehrmann, Human Resources.

In Memoriam

Valborg Segerdahl, who had joined the Medical Department as a secretary B on April 23, 1956, and had retired as Senior Secretary A on December 23, 1966, died on January 27, 2001. She was 98.

Note: The Bulletin greatly regrets that in the issue of March 22, 2002, Valborg Segerdahl's Lab history was inadvertently replaced by that of her husband, Nils Segerdahl, who was also at BNL and had retired on the same day as his wife. Nils died at age 78 on May 13, 1980, which was announced in the Brookhaven Bulletin, June 20, 1980.

George Collins, who had come to BNL on August 8, 1947, as a senior physicist in the Physics Department and had retired on August 27, 1971, died on December 15, 2001. He was 95.

BNLFOOD DriveNextWeek

Please, remember to give to the Food Drive.
Hungry people in Brookhaven Town need your donation.

Earth Day 2002 BNL Activities

All Week (April 20 to April 26)

Site Environmental Report: Your Environment Art Display

- Berkner Hall Lobby

Saturday, April 20

4-Mile Earth Day Run/Walk - 3 p.m.

- U.S. Track & Field certified course
- All proceeds will benefit Long Island Cares, Inc.
- Registration: from 1 to 2:45 p.m. in Berkner Hall Lobby
- Day of race entry fee is \$18 (\$15 with a nonperishable food item)
- Prizes from Adobe Artes of Huntington and Long Island's top running stores
- Free pullover running jacket to first 300 registered runners
- Raffles

1 Mile Fun Run - 4 p.m. (for Children 12 and Under)

- Registration: 1 to 3:30 p.m. in Berkner Hall Lobby
- No registration fee
- All participants will take home a tree seedling to plant in honor of Earth Day

Thursday, April 25

Pitch Pine Tree Planting - noon to 4 p.m.

- Pitch Pine Tree Planting at the RHIC Ring as part of an effort to re-vegetate and beautify the BNL site.
- Rain date is Friday, April 26

Environmental Awards and Site Environmental Report: Your Environment Art Awards Ceremony - 3:30 p.m.

- Berkner Hall Auditorium

Friday, April 26

BNL Office Swap - 11 a.m. to 1 p.m.

- Berkner Hall Lobby

BROOKHAVEN NATIONAL LABORATORY

For more information, see www.bnl.gov/eday.htm

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 employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present 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; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/default.htm.

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

NS3081. CARPENTRY SUPERVISOR (T-5) – Requires a minimum of ten years' experience and knowledge within the carpentry trade pertaining to industrial and residential facilities. Must be able to obtain and maintain Asbestos Supervisory certification. Previous supervisory experience highly desirable; experience and knowledge of MS Word, Excel, Outlook and MP2 programs is preferred; as is OSHA construction safety training. Will perform first line supervision of carpenters, including work assignments and scheduling, employee training, obtaining material, tools, and supplies, performance evaluation, attendance monitoring and technical direction. Will maintain records, coordinate work with other supervisors and provide technical assistance and information to customers as required. Plant Engineering Division.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK2267. BUSINESS OPERATIONS MANAGER I (M-2) – Requires a master's degree (business or science preferred) or equivalent, five or more years' experience in management of a scientific research department, project or business, a proven record of leadership, experience with PC-based business software, and strong analytical, interpersonal, and communication skills (written/oral) to be able to interact with all levels of Laboratory staff. A broad knowledge of the Laboratory's budgetary and financial management processes and knowledge of PeopleSoft applications are desirable. Reporting to the Department Chair, will lead the Administrative Support Group and be expected to provide leadership, oversight, and strategic planning for the full range of administrative support functions including: personnel management and development, budgeting, budget analysis and reporting, capital project management, procurement, and building, space and property management. In addition, will have responsibilities for ES&H, computing and communications, the design room, shops and library. Other responsibilities include cross-training and career development of administrative staff, DOE Field Work Proposal preparation, and DOE/BSA Review preparation and presentation. Physics Department.

NS2294. RESEARCH LIBRARY MANAGER (A-9) - Requires an MLS degree or equivalent training, and at least five years' management experience in an academic or research library setting, including management of professional and supervisory-level staff; experience in the development of digital library projects; and knowledge of library automation systems. Will manage the Research Library and Technical Publications Office; oversee all library functions including acquisitions, cataloging, circulation, reference services, collection development, subscription management, and site licensing for electronic resources. Will pursue opportunities for partnering with other institutions through consortia and professional associations. Will interface with the Research Library Advisory Committee and patrons. Responsibilities will include strategic planning and recommending policies and procedures, information products and technologies, initiatives and resource allocations. Manages the review of publications to ensure that they receive appropriate review and are released according to Laboratory and DOE standards. Leads special projects, process improvement initiatives, and the re-engineering of work processes. Monitors work progress against goal schedules. Information Services Division

NS3001. CONFERENCE SUPPORT SUPERVISOR (A-6) – Requires a bachelor's degree in hospitality/business administration, or equivalent, and extensive experience in event management, food, and beverage, and conference support operations within a hotel, conference center, catering operation, or large institutional environment. A valid drivers' license is necessary; familiarity with PC-based conference management scheduling system is desired; experience with building management, repairs, and renovation is a plus. Will be responsible for the supervision

and coordination of conference facility set up, daily work schedule for custodial services; building maintenance and inspections as well as conference and meeting scheduling and all related support, including evening and weekend events. Will respond to all guest and customer inquiries regarding programs, planning, contracts/proposals; maintain liaison with on-site conference hosts and food service contractor to assure processional delivery of a full range of meeting and catering services. Will schedule all conference rooms and supervise the set up of meeting furniture, audio/video equipment, food and beverage and banquet services and sets all staffing levels. Purchases and maintains inventory of appropriate meeting support equipment and furnishings. Staff Services Division

NS3863. PROJECT ENGINEER II (P-7) – Requires a bachelor's degree and at least five years' experience in physical science or engineering, and experience in one or more of the following: international or domestic nuclear safeguards, nuclear non-destructive and destructive assay measurement technology, containment and surveillance technology, systems analysis, and information technology. Excellent written and oral communication skills, proficiency with software tools such as Word, Excel, PowerPoint, and Outlook, a demonstrated ability to work independently and with other scientists/engineers, and excellent organizational skills are necessary. Experience working in a project management role desirable, but not essential. US citizenship and a Q clearance, or the ability to obtain one, required. This job will require periodic domestic and international travel. Non-proliferation & National Security Department.

NS2464. ADVANCED TECHNOLOGY ENGINEER (I-7) – Requires a bachelor's degree in information technology, physics, or closely related field and at least five years' experience in support of large-scale scientific computing. Knowledge of and experience with LINUX and/or Solaris system support and administration, including networked file systems and other distributed computing tools and utilities are necessary. An advanced degree and experience in HEP/NP computing highly desirable as is experience optimizing for reliability, availability, performance, and security of computer systems. Programming/scripting experience using modern programming techniques and languages such as C++, Java, Python, and Perl as well as experience with Hierarchical Storage Managers (particularly HPSS), and robotic tape systems are also desirable. Responsibilities include participation in the analysis of HEP/NP user community requirements and the design, development, and operation of computing facilities and infrastructure software intended to satisfy those requirements. Physics Department.

TB3079. CARPENTER – Under minimum supervision lays out, constructs, modifies, and maintains buildings and component parts from construction drawings, rough sketches, or verbal instructions. Works with wood, wood substitutes and combination materials and flooring, roofing and wall materials. Uses hand, portable and fixed tools common to building construction trades. Installs cabinets, door frames, window glass, interior finishes, and also hangs doors. May perform Cabinetmaker duties as required. Plant Engineering Division.

TB3077. HEAVY EQUIPMENT MECHANIC-OPERATOR - Under minimum supervision maintains, operates, and repairs all material handling, earth moving, grounds and road maintenance and similar equipment, including complete repair and maintenance of gasoline and diesel engines and the use of required machine tools. Plant Engineering Division.

TB2461. TECHNICIAN (TW-2 - part-time, reposting) - Requires a high school diploma, some relevant experience and general mechanical and technical skills. Under the close supervision of the Facility Manager will perform a wide variety of diverse printer maintenance tasks in support of scientific and professional staff, throughout the Physics Department, including Brookhaven Computer Facility, PHENIX and STAR. Will maintain inventory of cartridges, toner, and transparencies in database. Will respond in a timely manner to requests for repair or maintenance as needed. Additional duties include arranging conference rooms prior to scheduled meetings, ordering printer supplies, and charging supplies to appropriate account numbers. Requires excellent interpersonal skills and ability to interact with both customers and manufacturers. Physics Department.