

NSLS Annual Users' Meeting: Looking Forward, Recapping Year of Change and Accomplishment

"It's really quite a pleasure to be back here at Brookhaven, which is certainly . . . one of the finest basic research institutions in the country and certainly among the best — some would argue the best, perhaps — in the [U.S. Department of Energy] DOE pantheon," said Under Secretary of Energy Ernest Moniz on May 19, speaking in Berkner Hall to some 350 of the more than 2,300 scientists who annually use BNL's National Synchrotron Light Source (NSLS) to do research in the physical, chemical, materials and life sciences.

The occasion was the 1998 Annual NSLS Users' Meeting, at which Moniz was keynote speaker. Another important presence was the report submitted to DOE last fall by the Basic Energy Sciences Advisory Panel (BESAC).

The Birgeneau Report, named after the panel's chair, Robert Birgeneau of the Massachusetts Institute of Technology, "was a very, very strong endorsement of the national [synchrotron radiation] program and of this [NSLS] program and of you," Moniz said.

Synchrotron radiation is the light given off by rapidly moving electrons as they are accelerated at ultrahigh speeds on a curved path. At the NSLS, this radiation gives off ultraviolet and infrared light at the vacuum ultraviolet (VUV) ring and x-rays at the larger x-ray ring. The light leaves each ring via beam ports to

stream down beamlines where it strikes the samples that researchers place in its path to absorb or scatter the light, thus enabling them to learn

new things about the sample's structure or function.

Such synchrotron studies, Moniz explained, contribute to DOE's reaching its major goals in health, national security and prosperity, environmental stewardship, research and education.

He also talked about how the NSLS and other BNL facilities and areas of strength will fit into the Strategic Simulations Initiative, or SSI program that DOE will launch in 1999, with the goal of providing the nation with the ability to compute global climate changes and other complex processes.

In sum, Moniz said, "I think the Lab here has excellent prospects in all accounts, and I certainly look forward to working with you to have those realized."

Vital User Program

Also speaking from DOE was Robert Marianelli, Director of the Chemical Sciences Division in the Office of Basic Energy Sciences, which oversees the NSLS and provides its operating funds.

"It's refreshing to see so many people at a users' meeting, from so many different spots and in so many different disciplines," he said. "It's an indication of the vitality of the user program at the NSLS and the outstanding science going on here."

As Marianelli pointed out, "Some of the most important work that was done toward the 1996 Nobel Prize for Buckminsterfullerenes



The NSLS Annual Users' Meeting and the Laboratory Operations Board meeting held at BNL the same week made possible this unusual gathering of current and former administrators of BNL's National Synchrotron Light Source (NSLS): (from left) Michael Knotek, NSLS Chair, 1985-89, and now Program Advisor for Science & Technology in the Office of the Under Secretary of Energy; current NSLS Chair Michael Hart, who has held the post since 1995; current Deputy NSLS Chair Samuel Krinsky, who served as Acting Chair, 1989-90; Denis McWhan, NSLS Chair, 1990-95, and now BNL's Associate Director for Basic Energy Sciences; Arie Van Steenberg, who headed the NSLS Construction Project, 1977-82, and who is now retired from BNL; and John McTeague, NSLS Chair, 1982-83, and now Vice President, Technical Affairs, Ford Motor Company. Not shown is Martin Blume, who was Acting NSLS Chair, 1983-85, and is now Editor-in-Chief of the American Physical Society.
— Photo by Roger Stoutenburgh

Neutrino News Flash

The neutrino has mass.

That was the conclusion announced on June 5 in Takayama, Japan, by a collaboration of 120 physicists from 23 research institutions using a giant underground detector called Super-Kamiokande.

If confirmed, the landmark finding that this subatomic particle can change between its forms of electron neutrino, muon neutrino and tau neutrino, and thus, has mass, is of vital interest to the whole scientific community, with implications for astrophysicists, physicists and chemists.

This discovery is of extra interest to BNL: Not only is Maurice Goldhaber, Physics Department and former BNL Director, a member of the Super-Kamiokande collaboration, but BNL scientists have been critically involved in neutrino studies almost since the Lab's inception.

From the elegant proof of the neutrino's left-handedness to the Nobel prize-winning discovery of the muon-neutrino at the Alternating Gradient Synchrotron to the first, puzzling observation that large numbers of neutrinos were "missing" after their journey from the sun, together with other essential findings establishing the properties of this elusive particle, BNL's pioneering contributions have been fundamental to this exciting new discovery.
More next week!

was done at the NSLS . . ."

As the new Chair of the NSLS User Executive Committee, John Parise, State University of New York at Stony Brook (USB), opened the meeting. He gave much of the credit for the NSLS' success with the Birgeneau Report to
(continued on page 2)

BNL Finds Low Levels of Plutonium in Peconic River Sediment

Preliminary results of tests that BNL had conducted for plutonium in Peconic River sediment on the Lab site and in the river bed one mile beyond BNL's eastern border indicate low levels of plutonium, the Lab announced on Wednesday, June 10. These results are being independently validated.

Radiation specialists at the Lab say that while plutonium is detectable through sensitive analysis, the preliminary levels found in the river bed are low. Plutonium is hazardous only if inhaled or ingested; BNL has found plutonium only in sediment and soil, so there is no direct pathway for a person to inhale or ingest this radioactive element.

BNL Director John Marburger said, "This new information is consistent with our understanding of contamination on and off site. We are committed to characterizing the contaminants and taking appropriate cleanup actions."

The U.S. Department of Energy (DOE) and BNL notified health officials with Suffolk County, New York State and the U.S. Environmental Protection Agency, and, on Wednesday night, BNL officials went door to door to inform residents along the Peconic River.

"We intend to address the health and environmental concerns about this issue," said Dean Helms, Executive Manager of DOE's Brookhaven Group. "DOE and BNL will continue to work with county, state and federal health officials to do a more extensive test of river sediments."

Source: Graphite Research Reactor Shut Down in 1968

The plutonium came from past releases from the Brookhaven Graphite Research Reactor (BGRR), which operated from 1950 to 1968. The reactor used uranium as fuel and produced plutonium as a by-product.

Waste from the BGRR was handled in three BNL facilities — the waste-concentration facility, Building 650 and the old hazardous-waste management area. In previous tests, plutonium was found in all of these areas, with the highest level at Building 650, where contaminated equipment, tools and clothing were cleaned.

At Building 650, the highest concentration in soil is 170 picocuries per gram. In contrast, the highest level noted in the preliminary results of the sediment tests is 1 picocurie per gram found on the BNL site.

Wastewater from the BGRR went to the waste-concentration facility, where radioactive liquid was concentrated into a sludge. The sludge, containing most of the radioactive materials, was solidified and sent off site for disposal. The remaining liquid distillate was discharged directly into the sanitary system and released into the Peconic River through the Lab's sewage treatment plant. When the Graphite Reactor shut down in 1968, that wastewater stream was gradually eliminated.

In the past, BNL has tested the river sediment for a variety of radioactive materials, including americium, cesium, cobalt and strontium. The recent tests for plutonium are the first that the Lab has done for that specific radionuclide in river sediment, although BNL has tested specifically for plutonium in soils on site.

BNL began sampling for likely contaminants in 1995, when plutonium was not thought to be an issue. The investigation broadened when other evidence surfaced. In particular, when americium was detected in 1996, it became logical to look for plutonium.

These radioactive materials settle out of water and bind to sediment. Hence, levels of cesium and other radionuclides have been consistently higher closest to the sewage plant's discharge point in the eastern-central portion of the Lab property. Following expected patterns of deposition, the plutonium levels are likely to be highest in sediment closest to the point of discharge from the plant. To verify this, more sampling is planned.

BNL's sewage treatment plant and surrounding area, including a section of the Peconic River, will be remediated under requirements of the federal Comprehensive Environmental Response, Compensation and Liability Act of 1980, commonly known as the Superfund law. The recent plutonium tests are part of BNL's ongoing Superfund activities.
— Mona S. Rowe

NSLS Users to Cable Replacement Team: Thanks!

Even at home, an electrical short circuit is inconvenient, and the quicker it's fixed, the better. At a huge scientific user facility like the National Synchrotron Light

Source (NSLS), where researchers wait for months to get their turn at beam time for their experiments, a short circuit takes inconvenience to undreamed-of heights. At the NSLS,

speedy repairs to any electrical problem are essential to keep the scientific program on schedule.

Last November, the Plant Engineering (PE) Division and NSLS members of an NSLS Cable Replacement Team did a remarkably swift major electrical repair job, and their efforts were very much appreciated by NSLS Users.

In fact, on behalf of all NSLS Users, their Executive Committee presented the team with a plaque of appreciation at May's NSLS Users' meeting. The plaque cited the 70-person Cable Replacement Team "for their outstanding efforts and quality of service to enable the NSLS to resume full operation as scheduled."

The November 23rd short circuit within the 480-volt underground cable system feeding an electrical distribution box occurred just before a regular maintenance period, which had been scheduled from November 27 to December 29.

Working day and night, the team from PE's Electrical Department led by Bill Softye, Jerry Magee and Dennis Danseglio; NSLS staff led by Joe Sheehan; and personnel from electrical contractor McDowell Electric Co. of Yaphank rerouted the feeders via a new overhead cable tray system. In only nine days, power was restored.

The nine-day wonder job allowed the regular maintenance work to be completed on time also.

For NSLS Users, this meant a happy new year — no delay in the NSLS' return to operations in January 1998.

— Liz Seubert

Ask the Director: Questions Due Today For 6/19 Meeting

During his discussion of the state of the Laboratory at meetings in Berkner Hall next Friday, June 19, BNL Director John Marburger wants to ensure that he will be addressing employee concerns. So, he invites employees to submit their questions either ahead of time or ask them after his presentations, which will take place from 11 a.m. to noon and 2 to 3 p.m. that day.

If you wish to make the Director aware of your concerns ahead of time, then send your questions to the Public Affairs Office, Bldg. 134; e-mail them to pubaf@bnl.gov; or call ASK1, the question hotline, Ext. 2751, by 5 p.m. today.

Cell Phone Special

On Thursday, June 18, from 10 a.m. to 2:30 p.m. in Berkner Hall, learn about the special AT&T Wireless Services corporate cellular rate that CTP Wireless World is offering BNL employees. The offering features rates as low as 20¢ per minute, a monthly access charge as low as \$19.99, and includes: 40 minutes of air time per month, caller ID, voicemail with notification, numeric paging, self-dispatch alphanumeric messaging and a free digital phone.

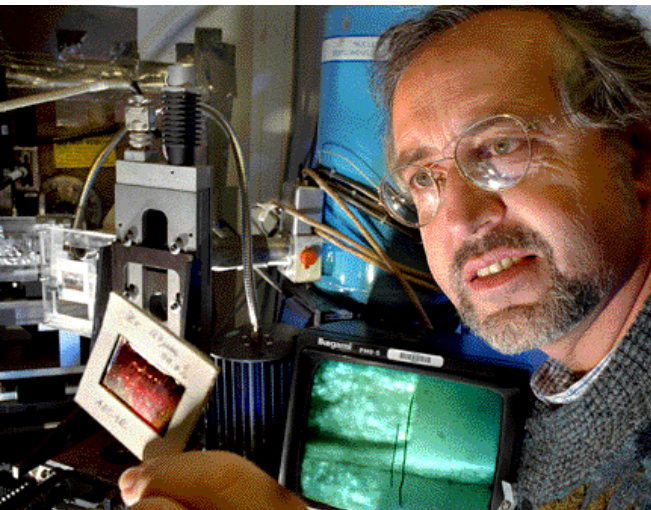
Call Michael Weisinger or Dennis Lamm, 585-2900, for more information.



A plaque of appreciation for the outstanding work of a Plant Engineering (PE) Division and National Synchrotron Light Source (NSLS) Department Cable Replacement Team was given on behalf of the NSLS Users by Users' Executive Committee Chair John Parise (back, left), State University of New York at Stony Brook, to the following representatives of the 70-person team: (back, from right) Joe Sheehan, NSLS electrical engineer; Bill Softye, General Supervisor of PE's Electrical Shop; (front, from left) John Keane, NSLS Electrical Engineering Section Head; Dennis Danseglio, PE electrical engineer; and Jerry Magee, PE Electrical Supervisor. In the background are some of the repaired 480-volt feeder cables. — Photos on this page by Roger Stoutenburgh

7000th NSLS User — Giovanni Gigante, University of Rome

Famed as the scientific facility that attracts the greatest number of outside researchers, the National Synchrotron Light Source (NSLS) draws well over 2,000 scientists each year from institutions around the world. On November 10, 1997, the 7,000th user, Giovanni Gigante, came for three days from the University of Rome, La Sapienza, Italy, to do experiments at x-ray ring beam line X26A in collaboration with Albert Hanson, BNL's Department of Advanced Technology, and Antonio Zappala, University of Udina, Italy. Users retain their guest numbers, and most users come back several times, so the 7,000 figure — 7,351 as of this date — accounts for the number of different users, not how often the NSLS has been used by outside researchers. On his first visit, Gigante, a professor of health & medical physics whose research speciality is in improving the technique of x-ray fluorescence, was investigating different processes



to halt the degradation of modern, high-acid paper. The different processes are known as deacidification techniques, and they use various chemicals to neutralize the acid in the papers. For a particular process to be successful, the neutralizing agents must be uniformly distributed throughout the papers. In this work, the X26A microprobe was used to map the distribution of various elements used in the different processes across the thickness of the papers. The microprobe on beam line X26A, developed and operated by a participating research team from the University of Chicago, the University of Georgia and BNL's Department of Applied Science, is unique in being the only x-ray microprobe on a dedicated synchrotron beam line operating in this energy range with a major user program. It attracts users from all around the world. — Liz Seubert

NSLS Users' Meeting (cont'd.)

its current Chair, Michael Hart. Parise observed that the researchers who come to the NSLS "use the Light Source as an extension of their own laboratories." He explained that the NSLS Users' Meeting, which has been held each year since 1979, is run by the users themselves, to ensure that they give "truly independent feedback" on the world's most-used user facility. Parise pointed out that, in the year since the last meeting, the Lab has been under intense scrutiny and has undergone a management change — to Brookhaven Science Associates (BSA). In his keynote address, Moniz also remarked on the change, commending BNL Director John Marburger and his team on "hitting the ground running" and recognizing former BNL Director Nicholas Samios for his contributions and leadership. Marburger, who is also BSA Presi-

dent, assured those present: "BNL is devoted to the operation of user facilities. It is the justification for labs such as this one." Marburger described the makeup of the BSA Board of Directors, which includes representatives from USB and six other major universities. "I think these partners bring sensitivity to the Lab and to the needs of its users," he said. "I don't see major changes in the way facilities are run." However, said Marburger, the Lab must face two interrelated issues: First, "our physical infrastructure is crumbling, literally," and, second, "we find ourselves trying to accommodate a growing number of users. We have to find some way to accommodate this growth in order to remain a premier place for research." Marburger also spoke of the issues that resulted in BSA's assuming BNL's management, and he said that the most significant resulting changes have been in the areas of environment, safety and health, and commu-

nity relations, both of which have been elevated on the Lab's organization chart. And with that, Marburger stressed, "We're dedicated to preserving those aspects that made this such a great Lab in the past." NSLS Chair Michael Hart recalled some of the year's highlights, from the report of the BESAC panel to the November 1997 short circuit in a power feeder, which occurred just before the planned six-week shutdown. Damage was quickly repaired for a timely restart, Hart said, thanks to "the people who worked the miracle of getting us back on line." (See story at top of page.) For the last ten years, Hart said, "We've really had an extraordinary performance from the NSLS staff." With their help, said Hart, the following achievements were realized at the Light Source over the past year: • The new vacuum undulator in beam line X13 performed flawlessly starting in May. • The x-ray ring went from operating at 2.5 billion electron volts (GeV) to

2.8 GeV in September "and it immediately ran like clockwork," Hart said. • The beryllium window thermal upgrade was completed on all x-ray ring beamlines. • x-ray ring current was raised to 350 milliamperes (mA), with, said Hart, "only one remaining piece of R&D before we can go to the max of 430 mA which the existing rf power supplies can deliver." • The first copper radio-frequency cavity was installed on schedule. • The X17 straight sections of the x-ray ring were replaced during the most recent shutdown. • Four new infrared stations took their first light on the VUV ring. In addition to Parise, the members of the organizing committee for the NSLS Users' Annual Meeting were: Harald Ade, North Carolina State University; Elaine DiMasi, Physics Department, BNL; and Linda Feierabend, Eva Rothman and Nancye Wright, NSLS Department, BNL. — Anita Cohen

Chemicals at Work: Demo of CMS & MSDS

If you need information on the chemicals in your workplace, then you should attend the demonstration that Wendy Mosca, a project engineer in the Environmental Safety & Health (ES&H) Services Division, will present at the next Brookhaven Women in Science (BWIS) meeting, on Tuesday, June 16, in Room C in Berkner Hall, from noon to 1 p.m.

Mosca will show those present how to use the Lab's Chemical Management System (CMS) and how to find and use a Material Safety Data Sheet (MSDS), both of which are accessible on the ES&H Services home page, on the World Wide Web at <http://www.sep.bnl.gov/cms/>.

The CMS is an electronic inventory system that provides specific locations of chemical containers on the Lab site. The system enhances safety and health compliance at BNL, and provides employees with information to improve hazard awareness.

MSDSs give concise information that workers need about the potential hazards and protective measures associated with materials that they may use in the workplace. The MSDS database that Mosca will demonstrate ensures that employees have ready access to that information.

Mosca, a BNL employee since 1990, has her M.S. in environmental technology. All are invited to her talk; please bring your lunch.

Digital Imaging Demo

Polaroid will demonstrate the latest developments in digital-imaging technology products in a hands-on workshop on Wednesday, June 17, from 11 a.m. to 2 p.m., in Berkner Hall.

Products on display will include 35mm film scanners, 4 x 5 film scanners, digital cameras, glass slide scanners, digital microscope camera and computer LCD projectors, as well as and image-management software.

All are invited to attend the workshop and learn the easiest ways to scan photos, negatives, transparencies, glass slides or images from a microscope directly into a computer.

Survey Next Week!

As the result of a drawing to be held after BNL's Organizational Survey is administered next week, one lucky BNler will win the mountain bike that Robert D'Angio, Manager of the Human Resources Division, is shown with here. All you have to do to enter is complete the survey questionnaire, which will be distributed to all employees on Tuesday, June 16. It couldn't be easier: Your supervisor will give you work time to complete the survey, which takes an average of about 30 minutes to finish. After you complete the questionnaire, you'll seal it in the special envelope provided, then put the envelope in a sealed ballot box in your department for shipment to International Survey Research, the firm that will analyze the survey, taking care to maintain everyone's anonymity. When you return the survey, you'll get a raffle ticket — but, says D'Angio, "If you responded frankly and honestly with your perceptions about the current work environment at the Laboratory, then you'll already be a winner because you'll have made a major contribution toward making BNL an even better place to work."



Roger Stoutenburgh

In Memoriam

A memorial service will be held on Friday, June 19, for **Gerald (Jerry) Strickland**, who had retired in 1989 with 40 years of Laboratory service and died on May 3 at the age of 78. The service will begin at 7 p.m. at the Bayport United Methodist Church, 482 Middle Country Road, Bayport.

Strickland had joined the Lab on August 15, 1947, and worked on design and construction of the Hot Lab in Bldg. 801, which opened in 1951. He joined the Nuclear Engineering Department in 1952, and was named Chemical Engineer in 1959. Assigned to the Department of Applied Science (DAS) in 1969, he continued until 1993 as a consultant to DAS after his retirement on July 31, 1989.

Joseph Barba Jr., a technical specialist in the Alternating Gradient Synchrotron (AGS) Department, died on May 23. He was 44.

Barba first came to BNL in 1982 as a contract laborer; then, in 1983, he joined the AGS as a senior technician in the CBA Magnet Test Group. Moving to the Power Supply Conversion Group, he was promoted to Principal Technician in 1986 and Technical Specialist in 1989. Most recently, he was

a member of the Beam Service Group.

Barba's fellow workers and supervisor Paul Valli remember him in this vivid portrait:

"It is hard to put into words what one person brings to the workplace and to coworkers. On a personal note, Joe had a unique way of looking at situations and the world around him. When he commented or put a certain phrase to a task he was working on, it would for sure get a laugh or a smile from his coworkers. That will be greatly missed in our group.

"On a technical note, Joe was very bright and intelligent. He was responsible for working on many key safety systems at the AGS, such as gas detectors, evacuate system and oxygen sensors at the muon g-2 experiment. Recently, he had been laying out and wiring the PHENIX magnet monitoring system. All his work was of the highest quality and extremely neat.

"In jest, Joe would say, 'Why am I always moving the piano when other people are just carrying the stool?' Well, that would be so. It will be very hard to fill the void that is left with Joe's passing. He was liked by all, and he will be greatly missed by many of his coworkers and friends at the AGS."

A resident of Hampton Bays, Barba is survived by his father, Joseph Barba Sr., brother Richard and sister Eileen.

A senior librarian assistant in the Research Library, **P. Marie Hicks** of the Information Services Division, died on June 4. She was 54.

Hicks joined the Physics Department as a part-time clerical worker in January 1970. Then, in June, she took her first full-time position in the Research Library as a clerk. A year later, she was made an office services assistant, then a senior office services as-

sistant in 1979. Named Library Assistant in 1982, she was promoted to Senior Librarian Assistant in 1991.

Hicks' main responsibility was as Serials Librarian, renewing and ordering all journal subscriptions for BNL. She was a key figure in the work of automating the journal section of the Library section, and she handled daily problems such as tracking down

missing journal issues or obtaining replacements for items with missing pages.

"Taking care of these details is essential in a library," said Hick's supervisor, Madeleine Windsor. "If they



Marie Hicks

are allowed to slide, researchers will be unable to work efficiently. Marie could always be depended on to do an excellent job." Windsor spoke of Hicks's warm, friendly personality, excellent memory and helpful attitude, which, she said, contributed significantly to the welcoming atmosphere of the Library. "We are a small group, and many of us have worked here for a long time," she said. "Marie always had a smile for everyone and thought about their problems as much as her own. She will be greatly missed."

Hick also contributed to the Lab and fellow employees by her many years as an equal opportunity representative, serving as a liaison to the Diversity Office, and her three years, 1994-96, on the Employee Relations Committee, which helps non-bargaining unit, nonscientific employees solve work-related problems that they have not resolved with their supervisors.

Hicks, who was a resident of Bellport, is survived by her daughter Christine, son Danny and granddaughter Shanequa, all of Bellport, and her aunt Isabella McKinnley and cousin Reverend Gussie Hicks, both of New York City.

— Liz Seubert

Help End Scarcity in Blood Supply!

Long Island Blood Services (LIBS) is in a state of emergency due to an extremely low blood supply. Some of the reasons for this scarcity are: severe drop in local volunteer blood donations, ongoing myths and misconceptions about both the safety of donating blood and the need for donated blood, and the reduced availability of outside blood resources due to a nationwide shortage of blood and a reduction in the availability of foreign blood imports.

In addition, accidents have a tendency to rise during holidays, and the July 4th weekend is right around the corner. With numerous accidents likely to result from such things as drunk driving, mishandling of fireworks and barbecue mishaps, an abundant blood supply is crucial.

For these reasons, LIBS asks anyone who is able and in good health to donate blood. The opportunity to help your fellow Long Islanders will be yours on Tuesday & Wednesday, June 16 & 17, if you participate in BNL's Blood Drive in the Brookhaven Center, 9:30 a.m. to 3 p.m.

To make an appointment to donate blood or for more information, call Susan Foster, Ext. 2888, or e-mail foster2@bnl.gov.

— Darschay Harris



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Book Fair Next Week

The annual BERA spring book fair will take place next Thursday and Friday, June 18 & 19, from 10 a.m. to 3 p.m. in Berkner Hall.

To view a complete list of the books, as well as a limited display of what will be available at the fair for immediate purchase, go to the BERA Sales Office, weekdays, 9 a.m. to 1:30 p.m.

For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Get Your Passport Stamped at BNL

If you've been to McDonald's lately, then maybe you've picked up a Family Passport — your ticket to a free McDonald's food item with every stamp you collect this summer by visiting the museums in the Long Island Museum Association (LIMA) listed in the passport.

One of the museums that will issue stamps is BNL's Science Museum, headed by Janet Tempel, who is also president of LIMA.

Tempel explained that you can collect your BNL Science Museum

stamp by attending any of the Summer Sunday tours that the Lab will offer on Sundays from July 12 through August 30.

For more information about the tours, check the Museum Programs Office's page on the World Wide Web: http://www.pubaf.bnl.gov/bnl_museum.html#summer.

McDonald's and Newsday and have worked with LIMA for this promotion, which also features a grand prize of a trip for four to Walt Disney World.



Arrivals & Departures

Arrivals	
George Coutis.....	Central Shops
Joseph Famiglietti.....	RHIC
Departures	
Jean-Junior Joseph.....	Physics

Join BNL’s Spring Walk

Whether or not you Marched Into May, take the chance to Walk In June by putting on a BNL T-shirt, if you have one, and joining the Lab’s Spring Walk at noon or soon after, on Thursday, June 18. The 2-mile walk, starting from the Science Education Center, Bldg. 438, across from Berkner Hall, will be a fun way not only to celebrate the achievement of the 345 March-Into-May participants, but also, to give others a new chance to develop their athletic prowess. Organized by the Health Promotion Program of the Occupational Medicine Clinic, the Spring Walk is a just-sign-in-and-go-at-your-own-pace affair. All are welcome. For more information, call Mary Wood, Ext. 5923, or Ext. 6251.

APS Editorial Positions

The American Physical Society (APS) has **editorial positions** available with *Physical Review A/E*, *Physical Review B*, *Physical Review D* and *Physical Review Letters*. APS is looking for Ph.D scientists with a broad interest in physics who are ready to start nontraditional careers in physics. Responsibilities will involve assisting in all phases of manuscript selection. Essential to all positions are a basic understanding of the working scientist's expectations for a scientific publication, and excellent written and verbal communication skills. Postdoctoral research experience is desirable. APS is an equal opportunity employer offering a competitive salary, career stability and an outstanding benefits package. For more information visit the APS website at www.aps.org. To be considered, send a cover letter and resume, including references, current salary and requirements to Joseph Ignacio, Personnel Manager, APS, One Research Road, Box 9000, Ridge NY 11961; fax (516) 591-4155, or e-mail personnel@aps.org.

Classified
Advertisements

Placement Notices



The Laboratory’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 complete list of all job openings: use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.
The following vacancies are exempt from the Director’s hiring freeze.
SCIENTIFIC RECRUITMENT - Doctorate usually required. Candidates may send C.V. to M. Kipperman, Bldg. 185.
MK7642. POSTDOCTORAL RESEARCH ASSOCIATE/ASSISTANT PHYSICIST - With interests in the area of the intersection between nuclear and particle physics. Should have outstanding ability, creativity and initiative and be a recent Ph.D. or have several years of postdoctoral experience. Must have extensive abilities in experimental techniques used in nuclear and particle physics experiments. Present research of the Intermediate Energy Group centers on studies of nuclei containing one or more strange quarks - hypernuclei, H-dibaryon searches, Λ -N weak interaction. Present experiments are conducted at BNL and at Thomas Jefferson National Accelerator Facility. New initiatives are being considered, and the successful candidate may have a role in charting new directions. Candidates with greater experience could be considered for an Assistant Physicist appointment. Under the direction of M. May. Physics Department.
OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

Red, Ripe and Ready for the Picking

It’s that time of year again for picking America’s favorite fruit, the very tempting strawberry. Strawberries and whipped cream, strawberry shortcake and strawberry cheesecake are just a few of the sinful delights that berry-lovers crave. If those sweets sound mouthwatering, then how about picking fresh strawberries? Strawberry picking began the first week of June. “The strawberries are sweet this season,” says a worker at May’s Farms in Wading River. “The first berries are swollen due to heavy rain and unusual weather. We hope the berries will become larger as the season progresses.” So, berry pickers, grab those baskets and be the first to fill them before the fields are picked clean. Store-bought strawberries are expensive, and berry lovers sometimes don’t get what they pay for. When pickers pick their own strawberries, they get to see what they are taking home for half the price and twice the fun. Many enjoy the picking season for lower prices and as an excuse to get dirty. This year’s prices are a little higher than last year’s, though. As the following list of a few popular picking spots shows, prices vary from farm to farm. So pick a farm and pick your berries soon!

- **Anderson Farms:** \$2 per pint, \$3.75 per quart; Route 58, Riverhead, 727-2559 or 727-1129; open daily 9 a.m. to 6 p.m. on weekdays, 8 a.m. to 6 p.m. on weekends.
- **Green Thumb of Water Mill:** \$2.50 per pint, \$4 per quart; Montauk Hwy., Water Mill, 726-1900.
- **Ken Glover Farms:** \$1.50 per quart; Yaphank Avenue, Yaphank, directly across from police headquarters, 286-7876; open daily from 8 a.m. to 6 p.m.
- **Lewin Farms:** \$1.75 per quart, \$6 for four quarts, \$10 for eight quarts; Sound Avenue, Wading River, 929-4327; open daily 9 a.m. to 5 p.m.
- **May’s Farms:** \$1.09 per pound; Route 25A, one mile east of William Floyd Parkway, Wading River, 929-6654; open daily, 8:30 a.m. to 6 p.m.

— Darschay Harris



Cooking Exchange

The Cooking Exchange and Hospitality Committee invite all on-site residents and their friends to a joint meeting on Thursday, June 18, from noon to 1:30 p.m. in the Recreation Building in the apartment area. Employees are also welcome to attend. Bring a favorite dish to share, and meet new friends. For more information call Susan Hart, 821-4257, or Vicky Chang, 345-3303.