



Collage by Joseph Rubino D1430911

## BNLers Commemorate Tenth Anniversary of 9/11

On September 9, 2011, a day that mimicked the beautiful blue skies of September 11, 2001, the Lab community gathered to commemorate the tenth anniversary ..... See *9/11 Memorial* on p. 2

### Improved Plant Oils

John Shanklin and his team in the Biology Department devised a way to alter the function of plant enzymes known as fatty acid desaturases to change the placement of double carbon bond position in fatty acids produced in plant seeds. Changing the desaturase enzyme's function in such a way enables the engineering of enhanced oil-seed crops for industrial seed-oil feedstocks, biofuels, nutritional quality, and other plant-based oil products. OTCP's Christine Brakel explained that modifying the chain length and position of the placement of double bonds of the soluble plant fatty acid



John Shanklin (right) and Tam Nguyen, both of the Biology Department

desaturase enzyme can change the types and amounts of oils produced by plants.

Thus, oilseed plants bearing specifically altered genes can..... See *Improved Plant Oils* on p. 3

### Improving Solar Cells

OTCP's Kimberley Elcess explained that organic solar cells use conductive organic polymers for light absorption and charge transport. Conducting polymers are also useful in a broad range of other applications including flexible, lightweight electronic circuits, conducting inks and coatings, and electromagnetic shielding materials. Organic solar cells are relatively inexpensive compared to silicon-based solar cells, but they are also less efficient. However, because organic solar cells are lightweight and flexible, they are applicable to a broader array of uses than



Barney Grubbs (right) and Young Suk Park, both of the Center for Functional Nanomaterials

silicon-based solar cells, which are typically limited to fixed installations. For example, organic solar cells can be used in wearable and portable electronics. .... See *Improving Solar Cells* on p. 3

### Mercury Remediation

Paul Kalb of the Environmental Sciences Department presented a technology he developed with his team at BNL to remove toxic mercury from soil *in situ*, or on site at the location where it is found in the ground. In this process, mercury is drawn to specially designed treatment rods that contain a sulfur-based reagent. The rods act as a "chemical magnet," as the mercury migrates to the rods and reacts with the sulfur reagent to form a stable, insoluble mercury sulfide compound. When fully reacted, the rods can then be removed from the site for safe disposal at a hazardous waste facility. See *Mercury* on p. 3



Environmental Sciences Department's (ESD) John Heiser (left) and Paul Kalb, who hold the *in situ* mercury remediation patent with former Lab employee Mark Fuhrmann (not pictured). Also not pictured is team member Larry Milian, ESD.

## Showcasing Six of BNL's Technologies

About 50 entrepreneurs and investors attended an August 15 workshop at BNL, offered with Accelerate Long Island, to learn about early-stage technologies invented by BNL researchers. As part of the Obama administration's Start-Up America initiative, the Lab is offering start-up companies the option to license available technologies from its patent portfolio for \$1,000 — a fraction of the usual cost — until December 15.

Accelerate Long Island was formed in January 2011 as a partnership of major stakeholders including BNL and four other key research institutions on Long Island — Cold Spring Harbor Laboratory, Hofstra University, North Shore-Long Island Jewish Health System, and Stony Brook University — to start companies and create jobs locally through commercialization of the research institutions' technologies.



Roger Stoutenburgh D5120811

Key participants in the Accelerate Long Island technology showcase at BNL were: (from left) Managing Director of CanRock Ventures Mark Fasciano, BNL Director Sam Aronson, Manager of BNL's Office of Technology Commercialization and Partnerships Walter Copan, President of the Long Island Association Kevin Law, Town of Brookhaven Supervisor Mark Lesko, and Executive Director of the Long Island Angel Network Marc Alessi.

### From Discovery to Deployment

BNL Director Sam Aronson welcomed the guests, saying the event was intended to bring together inventors and investors to "build a bridge from discovery to deployment."

Long Island Association

President Kevin Law told the audience, "All the technologies here today have the potential to make money and create jobs." He characterized the event as a "preview" leading up to the "opening night" of the next upcoming Accelerate Long Island... See *BNL's Technologies* on p. 3

### TeraPaths

When extremely large amounts of data — on the order of petabytes (1,000 terabytes, or one quadrillion bytes) — have to be transferred from one data center to another across multiple network domains, the process can be slow and unreliable if the same bandwidth is shared equally among multiple users. This can lead to serious consequences in time-sensitive data-sharing work, such as making trades in the financial market or monitoring scientific or health data.

The Brookhaven Computational Science Center's Dantong Yu and Dimitrios Katramatos have developed TeraPaths,



Michael Herbert D0050911

Dantong Yu (left) and Dimitrios Katramatos, both of the Computational Science Center

a software engine and method for scheduling and coordinating network traffic across multiple network domains while maintaining the required ..... See *TeraPaths* on p. 3

### Explosives and Nuclear Materials Detectors

Istvan Dioszegi, Nonproliferation & National Security Department, led a team that has developed separate detector systems useful in identifying explosive devices and nuclear materials. As described by OTCP's Steven Wood, their semiconductor-based system detects explosives that can "see" the energy signatures of different elements in a target, which is important because explosives typically register characteristic ranges of elemental components. Most current detectors cannot determine whether a target is likely to



Michael Herbert D0040911

Shown with the laboratory prototype of their device are: (from left) Istvan Dioszegi, Leon Forman, Peter Vanier and Cynthia Salwen, all of the Nonproliferation & National Security Department.

explode without physical engagement. Bomb-sniffing dogs rely on detecting secondary vapor signatures of explosives, so placing the explosive in an airtight ..... See *Materials Detectors* on p. 3

### 'Green' Concrete

Conventional sulfur polymer cements (SPCs) are made by mixing sulfur, a byproduct of the petrochemical industry, with dicyclopentadiene, an expensive organic modifier. Consequently, the price of SPCs is relatively high, compared to hydraulic portland cements. Paul Kalb in the Environmental Sciences Department, together with partners, has devised an alternative concrete composition and method for making it through a process known as Stabilized Sulfur Binder using Activated Fillers (SSBAF).

The SSBAF method uses an organic component waste by-



Roger Stoutenburgh D0030600

Paul Kalb (right) and team member Jay Adams, pictured together while working on a previous project.

product from the petrochemical industry, mixed with and coated on a filler, such as sand, before being energetically mixed with sulfur. Kalb explained that this "green" process recycles industrial byproducts and, unlike the process for making conventional concrete, does not produce carbon dioxide. This ..... See *'Green' Concrete* on p. 3



# BNLers Commemorate Tenth Anniversary of 9/11

*9/11 Memorial from p. 1*  
...of the terrorist attacks and unveil a 9/11 monument in the Berkner courtyard.

The memorial, designed by Ana Stojanovic Ranjbar of the Lab's Modernization Project Office, consists of a piece of twisted steel from the World Trade Center (WTC) obtained by BNL Fire Chief Charles LaSalla from the Port Authority of New York and New Jersey. The steel rests atop a cement pedestal simply marked 9-11-2001. The pedestal rests amid marble panels that represent the footprints of the WTC Towers. On the front of the monument is a plaque inscribed, "This piece of World Trade Center steel serves as a remembrance of all who lost their lives in the tragedy on September 11, 2001, and the brave men and women who participated in the rescue efforts. Dedicated on the tenth anniversary by Brookhaven National Laboratory. We will never forget."

The event began with a procession led by four bagpipers and a drummer, including bagpipers Robert Kelly of Human Resources and BNL retiree John Keane. Members of the Fire Rescue Group (in full dress uniform), Police Group, Radiological Assistance Program (RAP), and the Brookhaven Veterans Association marched solemnly into the Berkner courtyard, halting in front of the monument.

After members of the Laboratory Protection Division raised the American and DOE flags high above the new monument, Deputy Director for Science & Technology Doon Gibbs gave opening remarks.

"I am not a native New Yorker, but on September 11, 2001, I converted and have been a New Yorker ever since," he said.

Gibbs reminded the Lab community that during that difficult time for our nation, BNLers came together and donated record-breaking amounts of blood and gathered supplies for emergency responders. The Lab helped provide generator power during the search and rescue efforts and members of the Lab's RAP team assisted New York City officials at the WTC site.

"What began as an ordinary day turned in to a life-changing event that would touch all of us in a really personal way," said Gibbs.

Michael Holland, Manager of the DOE Brookhaven Site Office, said, "Much has changed since that day in 2001 when the World Trade Center Towers in New York, the Pentagon, and United Flight 93 succumbed to a terrorist attack. The DOE and national labs have focused research capabilities on science

and technological applications to better protect and defend our country and citizens. BNL is part of that effort, and just as the BNL community responded 10 years ago, BNL continues today to respond to the nation's protection needs. Your dedication to this vital mission is recognized not only by DOE, but by the American people as well. This memorial here at Brookhaven will serve to always remind all of us that freedom is not free."

Wearing his full dress Fire Department of New York (FDNY) uniform, Michael Pena, manager of the Laboratory Protection Division, gave the closing remarks. In 2001, Pena was a lieutenant in the FDNY. He has vivid memories of that tragic day and the search and rescue efforts that followed.

"Seeing the people of New York evacuate and smoke coming from the Trade Center gave us purpose as well as pause," he said. "Ten years later we are incredibly grateful that there are people at Brookhaven Lab who continue to remember and pay tribute to the victims and the heroes that made the ultimate sacrifice. This dedication is a respectful remembrance of the tragic loss of innocent life. I thank the BNLers who came to assist us, and I ask that you continue to keep our brave military personnel in your prayers as they continue to serve our country and keep us safe."

Pena added that this BNL memorial was made possible by the harmonious work of many different departments at the Lab, including the Laboratory Protection Division, Facility and Operations Directorate, and Community, Education, Government & Public Affairs, with the absolute support of Laboratory management.

"I thank everyone at BNL who participated in planning this ceremony to honor those who were lost on a day that changed our nation forever," Pena said.

At the end of the ceremony, BNL Fire Chief Charles LaSalla read the inscription on the memorial plaque just before lone bugler Thomas Butterfield of the U.S. Coast Guard Auxiliary played "Taps," followed by a rendition of "Amazing Grace" by the bagpipers.

"Most people remember exactly where they were on September 11, 2001, when they heard the news that the WTC fell after a terrorist attack," said LaSalla. "As a firefighter, that day shall forever remain sacred in my heart and the hearts of my fellow emergency responders. We will never forget."

— Jane Koropsak



Joseph Rubino 00600911



J.R. D1140911



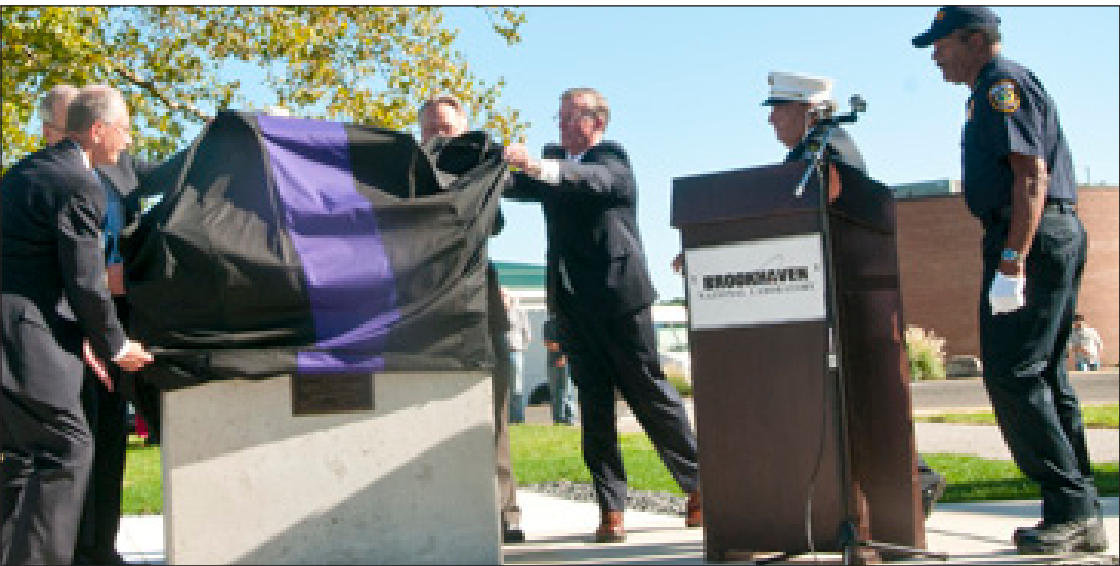
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J.R. D0880911



J.R. D0650911



J.R. D0650911



# YouthBuild Graduate Ivan Rodriguez Thrives at BNL

Ivan Rodriguez, a graduate of United Way of Long Island's YouthBuild and a BNL student assistant, is on the path to a successful career in construction after surmounting numerous roadblocks along the way. Rodriguez, a 24-year-old from Freeport, Long Island, dropped out of high school at age 16 to help support his family, including his younger brother who has autism. He worked as a sheetrock installer and painter, but he also had a drug problem and was convicted of petty larceny.

After serving time in jail, Rodriguez was given a second chance to succeed as a student in YouthBuild Long Island. YouthBuild, with support from DOE and the U.S. Department of Labor, helps low-income young men and women, ages 18 to 24, work toward earning a General Education Development diploma while learning hands-on, green-building construction skills. YouthBuild places a strong focus on energy efficiency, renewables, weatherization, Energy Star construction, and home performance. Additional program components include high school/college readiness programs, job readiness, leadership development, counseling and job development.



BNL's Natural Resources Manager Tim Green and BNL Student Assistant Ivan Rodriguez review Long Island Solar Farm plans

## A Fresh Start at BNL

Rodriguez gave an inspiring presentation about his progress in YouthBuild at the breakfast for United Way captains at last year's BNL fund drive. At that time, he mentioned that he would like to work for the Laboratory if the opportunity became available. On Valentine's Day 2011, his wish came true. The Quality Assurance Office hired him as a student assistant, working in construction.

Rodriguez shadowed Michael Viscusi, a construction inspector in the Modernization Project Office, helping him with ongoing construction projects on site, including the renovation of science labs and various excavating projects.

"I learned how to read a commercial blueprint," Rodriguez said. "Before I worked here, I didn't even realize that

a blueprint was needed for constructing a building. I learned so much about building design and construction at the Lab."

## A Solar Farm Project

This summer, Rodriguez worked with BNL Natural Resources Manager Tim Green on a Sustainable Sites Initiative (SSI) application for the Long Island Solar Farm being built on site by BP Solar in collaboration with the Long Island Power Authority and DOE, which provided 200 acres of land in the eastern portion of the Lab site for the project.

SSI is a partnership of the American Society of Landscape Architects, the Lady Bird Johnson Wildflower Center, and the U.S. Botanic Garden in conjunction with several stakeholder organizations to establish and encourage sustainable practices in

landscape design, construction, operations, and maintenance. The program is modeled after the Leadership in Energy and Environmental Design Green Building Rating System, known as LEED, the nationally accepted benchmark for the design, construction, and operation of green buildings. SSI provides guidelines concerning construction that foster preservation, conservation, regeneration, and environmental stewardship of a building site.

Among some of the key areas covered in the extensive 20-plus page application that Rodriguez researched are soil, vegetation, and wetlands. Although trees had to be cut down to install the 6,800 racks of 164,000 solar panels that will generate enough renewable energy to power approximately 4,500 homes, grasses will be planted as part of native vegetation restoration. The trees were recycled as mulch spread around the construction site, or were diverted for firewood or lumber.

The solar site is outside the wetlands boundary, but runoff feeds into the Peconic River, so BP Solar developed a storm water pollution prevention plan. In addition, a small pond was restored as a habitat for tiger salamanders, an endangered species in New York State.

## At Facility Operations

Now Rodriguez is working at the Lab's Facility Operations Center (FOC), which provides computer programs to assist in the planning, management, and administrative procedures required for an effective maintenance and asset management process.

"Ivan will be able to learn about all the key aspects of our system, and then we expect that he will assist our staff with work involving such items as work-order management, the preventive maintenance system, and facility inspections," said FOC Manager Peter Eterno.

## Back to School

Rodriguez is also taking a course in construction management at Nassau Community College this fall, and he will work toward earning an associate's degree. After that goal is achieved, he hopes to continue his education. "My long-term goal is to be a civil engineer," he said.

— Diane Greenberg

## BNL's Technologies from p. 1

...event on September 26. As part of Senator Chuck Schumer's "Stay on Long Island" program, the second Accelerate Long Island event will be held at the Cradle of Aviation Museum in Garden City, featuring more technologies ready for commercialization.

Mark Fasciano, Managing Director of CanRock Ventures, an early-stage technology venture capital fund, was enthusiastic about the event, saying Long Island needs a systematic network of contacts, which includes technology experts, entrepreneurs, and venture capitalists, to start

commercializing available technologies.

Walter Copan, Manager of BNL's Office of Technology Commercialization & Partnerships (OTCP), which coordinated the event, introduced the speakers, who gave presentations on seven of BNL's approximately 300 technologies available for licensing. The BNL technology showcase in association with Accelerate Long Island was intended to provide a "venture pitch" presentation of selected technologies and business opportunities, and to allow inventors and other BNL staff to meet directly with potential investors and

entrepreneurial business leaders.

Copan explained that BNL has a leadership role in the Start-Up America Initiative with DOE and developed the option agreement template that has now been adopted for use by all participating DOE laboratories. Companies interested in commercializing a BNL technology must provide a business plan to qualify for consideration for the special option program. The series of patented technologies invented at BNL and being made available to start-up companies are described on the BNL website [www.bnl.gov/tcp](http://www.bnl.gov/tcp).

— Diane Greenberg

The next Accelerate Long Island Showcase will take place on Monday, September 26, from 8:30 to 11:30 a.m., at the Cradle of Aviation Museum in Garden City. For more information, go to <http://www.bnl.gov/ali>.

## Improved Plant Oils from p. 1

...be used to produce renewable stocks of agricultural oils to replace non-renewable petrochemicals that are used in a variety of processes, such as making nylon precursors. Other crops bearing altered genes could produce oils with increased nutritional value, or improved vegetable shortening and margarine with no trans fats.

— D.G..

## TeraPaths from p. 1

...quality of service. Potential applications include time-critical telecommunications, remote healthcare and surgery, day trading, high-end gaming, and large data set research collaborations.

— D.G.

## Mercury from p. 1

This simple and reliable process significantly reduces waste handling required by ex situ methods and therefore lowers cost. Industries involved with mercury cleanup can use this in situ mercury stabilization process. It is especially useful for removing low concentrations of mercury over large areas.

— D.G.

## Improving Solar Cells from p. 1

Former BNL researcher Yang Qin and his colleagues at the Center for Functional Nanomaterials "cross-linked" the standard polymer used in these organic solar cells to develop a novel polymer that can improve the efficiency and increase the lifetime of organic solar cells. Exposure to ultraviolet light causes the side chains of elements on the novel BNL-developed polymer to become reactive and bond with each other, cross-linking the polymer, similar to hooking two strands of Velcro® together. With only the side chains, and not the central structure involved, the cross-linked polymer retains the desirable electrical and optical properties of the standard compound.

— D.G.

## 'Green' Concrete from p. 1

...improved concrete is less expensive than those made with conventional sulfur polymer, is up to twice as strong as conventional portland concretes and conventional SPCs, requires no water, and is highly resistant to corrosive environments.

— D.G.

## Materials Detectors from p. 1

...container can thwart such a solution.

The BNL-developed explosives detector does not have these limitations. Potential applications include detecting explosives, such as improvised explosive devices, landmines, or other unexploded munitions, on battlefields and other locations as well as inspection of cargo. Cargo inspection is an important use, since the U.S. is required to screen 100 percent of cargo containers coming to port from other countries but currently only screens from two to six percent of them.

The nuclear materials detector system uses a single pulse of high-intensity electromagnetic radiation to interrogate a target of interest. The newly devised detector uses less energy, emits less radiation, and determines the composition of a target more quickly than conventional detectors. It can be used to detect "dirty" bombs or nuclear weapons.

— D.G.

## CALENDAR

Friday, 9/23

\*Celebration of American Physical Society's Naming BNL as a Historic Site. See p.4.

Weather permitting: 11:30 a.m. Berkner Hall. 1.6-mile walking tour encircling some of BNL's facilities where physics discoveries have been made. T-shirts will be given to all walkers after the walk.

Rain or shine: 1:30 p.m. Celebration Ceremony. Berkner Hall. All are warmly invited to attend the talks on BNL's role in the advancement of physics. American Physical Society (APS) President Barry Barish will present the commemoration. Refreshments will be served.

The current agenda includes a welcome from BNL Director Sam Aronson; "The Birth of a Science Giant" from Robert Crease, BNL historian and Stony Brook University Philosophy Department Chair; "Seeing the Light" from Martin Blume, former BNL Deputy Director, former APS Editor-in-Chief, and BNL Senior Physicist Emeritus; "Explorations at the Frontiers of Physics" from Nicholas Samios, RIKEN BNL Research Center Director and former BNL Director; the presentation of the APS Award by Barry Barish, APS President; "DOE Recognition of the Award" from Michael Holland, DOE Brookhaven Site Office Manager; and "Our Past is Prelude to Our Future" from Lab Director Aronson.

— WEEK OF 9/26 —

Monday, 9/26

## IBEW Meeting

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

## Thank You, BNL Blood Donors

On behalf of the Long Island Blood Bank, BNL Blood Drive Coordinator Liz Gilbert gratefully thanks all the BNLers who came to give blood at the Lab drive held on September 15. A total of 120 units of blood was donated.

## Arrivals & Departures

— Arrivals —

Dohyun Kim ..... Medical  
Suzanne Golisz ..... Chemistry  
Eric Mannel ..... Physics  
John Van Houten ..... Photon Scis

— Departures —

Daniela Schulz ..... Medical  
Kendra Snyder ..... CEGPA

## Correction: Service Anniversaries

The Bulletin greatly regrets that two errors in affiliations appeared in the Service Anniversary announcement made on September 16.

In July 2011, Loralie Smart celebrated 20 years of service in the Collider-Accelerator Department, and Fran Capasso of the Physics Department celebrated her tenth anniversary at the Lab.

## Tennis (for Two) Anyone?

BNL scientist Peter Takacs will give a talk, "Recreating Tennis for Two," on Saturday, October 1, 2011, 2:30 – 4 p.m. at the Museum of the Moving Image. The museum is located at 36-01 35 Avenue, Astoria, NY. The event is open to the public.

Using components equivalent to the instrumentation of 1958 — the year the game was first created by BNL physicist Willy Higginbotham — the BNL team, including Takacs, Gene Von Achen, and student intern Skyler Hagen, rebuilt the game, which will be on display during the event.

Robert Crease, BNL Historian and Philosophy Department Chair at Stony Brook University, will also give a brief talk, "Brookhaven Lab during the 1950s."

For more history on "Tennis for Two" go to: [www.bnl.gov/bnl-web/history/higinbotham.asp](http://www.bnl.gov/bnl-web/history/higinbotham.asp). For more information on the event email: [bmiller@movingimage.us](mailto:bmiller@movingimage.us).



# Labwide Celebration Today, 9/23: Please Join Us Walking tour at 11:30 a.m., ceremony and talks at 1:30 p.m.

Today, September 23, the American Physical Society (APS) will recognize Brookhaven National Laboratory as a historic site in the advancement of the field of physics. All the Lab community is invited to celebrate this prestigious occasion by participating in a walking tour and attending a ceremony that will showcase some of the Laboratory's major facilities and the physics discoveries made through the years.

## The Walk and Accompanying Audio Tour

A 1.6-mile walk — complete with a recorded audio tour — will depart from the Berkner lot on Friday at 11:30 a.m. Please plan to arrive a few minutes early. Each participant will receive a commemorative T-shirt at the end of the walk.

There are several ways to listen to the audio tour. If you have a web-enabled smart phone, you can



listen along the way by streaming the audio to your phone starting at the first stop from <http://www.bnl.gov/historicsite/stops/1.php>. Posters on display at all tour stops have quick response (QR) codes that walkers using smart phones can scan to access the appropriate audio track for each stop.

Those without smart phones who have an iPod or another mp3-playing device can download the

entire audio tour and load it onto a device in advance from here: [http://www.bnl.gov/historicsite/audio/bnl\\_historic\\_site.zip](http://www.bnl.gov/historicsite/audio/bnl_historic_site.zip).

If you do not have a smart phone or mp3 player, you can listen to the audio tour or read transcripts online: <http://www.bnl.gov/historicsite/walkingtour.php>.

## The Ceremony

Following the walk, refreshments will be served at 1 p.m. in the lobby of Berkner, where a timeline highlighting many of the Laboratory's greatest physics accomplishments is on display. Lab Director Sam Aronson will then welcome all to a ceremony in Berkner Hall at 1:30 p.m. This event will feature several interesting talks and APS President Barry Barish will present the Laboratory with an award.

Details for the day's events are available online: <http://www.bnl.gov/historicsite/>.

## 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/](http://www.bnl.gov/HR/jobs/).

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

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

**PROCUREMENT & PROPERTY MANAGEMENT CLERK** - Requires an Associate's degree in a business field or equivalent experience, generally on the basis of 2:1 (experience: college), plus four years of clerical experience which must include strong mathematical and communication skills.. Excel and Outlook experience is required, and Oracle-based Software such as PeopleSoft is preferred. Performs clerical duties including solving accounting discrepancies, tracking and rectifying errors, data entry, and communicating with vendors to expedite orders and resolve issues. Procurement & Property Management Division. Please apply to Job ID # 15888.

## Motor Vehicles & Supplies

07 SCION TC – 47K mi. great mech.cond, dent on next to right rear wheel, welcome for test dr. \$9,500 neg. 516-974-2517.  
04 CHEVY TRACKER – 60K mi. 4wd, 4dr, a/t, a/c, p/w, p/l, p/w, c/c, roof rack, CD/MP3 stereo. \$8,100. Ext. 7488.  
01 SAAB 9-3 SE CONVERTIBLE 2D – 127K mi., like new, must sell, moving, a/t, fwd, abs, airbags, alarm, htd lthr seats. \$4,900 neg. Ext. 7904.  
00 OLDS INTRIGUE – 4 dr, white/saddle, loaded, pwr sunroof, high mi. \$1,500. Frank, 775-6636 or drfrank11@optonline.net.  
00 BMW 323i – 174K mi. 5 spd, 6cyl. Blk, lthr pwr seats, m/roof. ABS, tractn contrl, a/c, fr & hd airbags, all pwr, c/c. \$4,900. 917-865-9668.  
00 FORD E-150 CARGO VAN – 100K mi. excel cond, removable fold down rear seat. \$3,000. Richard, Ext. 7443.  
00 MAZDA 626 – 150K mi. gd mech. cond, a/t, a/c, p/s, p/l, p/w, cd, dual air bags, must sell, moving. \$2,200 neg. 413-4227.  
91 SAAB 900S – 73K mi. convertible, 4 spd manual trans, bick, leather int., new brakes, runs well, needs new top. \$2,500. 834-1182.  
BATTERY – Everstart 12 volt top post 610 cold cranking amps part# 58-3n selection #38 brand new, pd/\$75, sell/\$50. 275-3476.

## Marine Supplies

85HP EVINRUDE BOAT ENGINE – excel cond will sell/trade. 816-3554.

## Furnishings & Appliances

ARMOIRE – \$375, like new, light wood, w/drawers, 40" w x 21" d x 68" h, pics avail. 935-3777 or lotusexp@yahoo.com.

DESK – for student w/adjustable keybrd tray, \$45, pic avail. Theresa, 935-3777.  
KITCHEN TABLE & CHAIRS – light Maple table w/leaf, 4 spindleback chrs, 60"x36", excel cond, \$300. 678-3299.  
WASHER, DRYER – Whirlpool wshr/\$100, Kenmore dryer nat. gas/\$75 GE; self cleaning nat gas range/\$100 u-pic-up, deliv xtra, 585-0655.

## Audio, Video & Computers

ANALOG SPEAKERS – 2 Spkrs. Vintage AR3 (not 3a). Work fine, but cabinet/grills need touch-up. \$300/pair. 834-0215.  
NOKIA 5300 XPRESSMUSIC – T-mobile cell phone \$30; ACER AL1916 19" mon/DVI-D/VGA inputs, more/\$20; Ext. 5049, 882-2706.

## Sports, Hobbies & Pets

KITTEN – Calico (female), 7 wks old, white w/blk & red spots, adorable, af-needs home. Susan, Ext. 5979, 821-5836.  
TICKETS – 2/Dover Nascar Race, Sun, Oct 2nd, front straight sec 110 row42 aisle seats, ask/100. 325-9578.  
TREADMILL – Nordic Track Power, Model PT60, rarely used, great cond, pd/\$1300, b/o, have photos. 516-477-9119.

## Tools, House & Garden

SANDBLAST CABINET – 32" w x 24" d x 24" h, w/homemde rolling kart stand, new unopened 55# pail of shot media, Ext. 7443.  
TABLE SAW – 10" Delta contractor's Table saw w/moveable base, great cond, b/o, have photos. 516-477-9119.

## Car Pool

HUNTINGTON STATION – to BNL or share w/me, Mon.-Fri., please let me know, thanks, Ext 8644, 428-8307, Atif@bnl.gov.

## Happenings

A WALK FOR LIAM MCGUIRE – Oct.16, 9-12 @ SWR High School Track, Tickets sold in adv., \$15 Adult, \$10 Child, Cash or Check to SWRCSO, Tickets sold at HS 10/5-7, 10/11-13, 7:30-2:05. mmitchell@swr.k12.ny.us.  
ANNUAL HARVEST FAIR – Bellport Methodist Church, Sat 9/24, 10a-4p, 185 S. Country Rd, Bellport, Live Auction, crafts, food, etc, family day for gd cause. Rolf, Ext. 2305, rolff@bnl.gov.  
END OF SUMMER BASH, TODAY, FRI. 9/23 – Join us! 6 pm Flaming Hearth, 756 Horseblock Rd., Farmingville, Appetizers, DJ Alex Petway, 50/50 raffle, cash bar, tickets \$10 in adv. Dir: [www.theflaminghearth.com/](http://www.theflaminghearth.com/). Charles Gardner, 219-2884.

## Free

CAT – well behaved, tan and black, healthy, fixed, 3 yrs old, needs new home. Darcy, Ext. 3362 or mallon@bnl.gov.  
CAT – Well behaved black/white shorthair female, fixed, healthy, 3 or 4 yrs old, needs home. Warren, Ext. 2080, 880-3822.  
COMPUTER MONITOR – Dell 17" CRT, u-pic-up. Judy, Ext. 5263, 375-7959.

## Wanted

ANYONE KNOW OF AVON AT BNL – looking for an Avon Lady, need to order Skin so Soft. Yvette, Ext. 5591.  
APARTMENT RENTAL – studio or 1 bdrm apt for a senior & her sm dog, pref. near Selden/Centreach area. Donna, 988-5697.  
BIKE RACK – affordable to fit a sm vehicle. Caitlin, Ext. 7432.  
HOUSE/CONDO FOR RENT – in 3 Village SD for family w/2 young children. Ext. 2352.  
QUEEN SIZE BEDROOM SET WANTED - in wood - in exc. condition. Pictures appreciated. Susan, slattuca@bnl.gov.  
ROOMMATE – Female pref. to share my Condo, 14 mi to Lab, furn, priv bath, use of kit, util, nonsmkr, no pets, mid Oct. Sallie, Ext. 2746.  
SMALL GREENHOUSE – 10X16 ft or smaller. Hoops or freestanding. Will disassemble if nec. Gary, Ext. 7779.

TICKETS TO 911 MEMORIAL IN NYC WANTED – at Ground Zero for any time betw Sept 16-26 or Oct 12-14. Thank you! Sabine, Ext. 4340.

## For Rent

LAKE RONKONKOMA – 1 bdrm apt, all incl, no smkg/pets. \$950/mo. dmcarthur@bnl.gov.  
MASTIC – new 1 bdrm apt, attach full bath, fully equip new eik/carpet/paint, priv ent, quiet neighborhd, 8 min to BNL, walk to shop, util incl, no smkg/pets, 1/ mo sec. \$750/mo. 339-3444.  
MASTIC – House 3 Bdrms w/2 Fbath, formal l/r, d/r, f/p, fully equip new eik, new carpeting, 7 min to BNL, walk to McDs, Subway, CVS, KOHL's, more, no smkg/pets, \$2100 mo, 1/mo Sec. \$2,100/mo neg. 339-3444.  
MEDFORD – 3 bdrm, 1 bath, unfurn hse, fen in backyd, pets ok, 15 min to Lab, utils not incl. \$1,800/mo. 790-0843 or ruga@bnl.gov.  
MILLER PLACE – lg bright rm in beaut hse, incl util TV/wifi, closet, own b/r, shared kitch, 20 min to Lab, pics on req, non smkr. \$800/mo neg. An, 510-221-7643 or jinming.yang001@gmail.com.  
RIDGE – 1br, kitchenette, full bath, l/r, incs all, sep ent/yr/prkg, no dogs/smkg in apt. \$975/mo. Lynne, 924-0002.  
ROCKY POINT – 1 bdrm upper unit, Rocky Point co-ops, no smkg/pets, must meet board approval, + util (LIPA/Cable), heat incl, pics avail. \$1,050/mo. 516-527-4902.  
ROCKY POINT – 2-3 bdrm, 2 ba, lg storage shed, 10 mi/BNL, 14 mi/SBU, nr beach, stores; fen in bckyd, incl water & cooking gas. \$1,500/mo. 525-6648 or samandsea@yahoo.com.  
ROCKY PT. – 2 bdrm hse, full bath, kit, l/r, d/r w/d, prvt prkg, pvt yd, OHW heat, pets okay, util not incl. \$1,450/mo. Pete, Ext. 4028, 875-1527.  
SHIRLEY – lg "L" shape bsmt apt, sep ent, kitch, full b/r, w/d, walk-in closet, no smkg, less than 5 min to Lab. \$1,000/mo neg. Christine, Ext. 2500, 949-4040.  
SHOREHAM – share a hse w/professional, lg and furn bdrm, cable TV, intnet, no smkg/pets, 8 mi to BNL, cell/578-0108 avail Now. \$675/mo. 744-3543 or ggt19582003@gmail.com.  
VILLAGE OF MASTIC BEACH – 1 bdrm bsmt apt, priv ent, f/bath, kitch/lr combo, util/cable/int/incl, will help w/snow/leaf removal, 1st & last mo req, single pref. \$700/mo. 395-6683, lny142@gmail.com.

WADING RIVER – spacious new 1 bdrm apt, full bath, quiet neighborhd, part furn, no smkg/pets, util incl. \$950/mo. 838-5879.  
WADING RIVER – 1 bdrm apt, l/r, d/r, full bath, kit, hardwd flrs, 2nd flr, priv ent, Waterfront, v/quiet, incl heat/elec, no smkg/pets, plus 1 mo sec. \$1,200/mo. 487-6841.

## For Sale

NESCONSET – spacious 3 bdrm hse, eik, 2.5 bath, post modern Victorian, in Windwood Oaks, 52/home division, mint cond, Brazilian granite counter top, tile flrs, f/p, hot tub on deck, 9'bsmt ceiling, call for detail. \$589,000 neg. 516-807-0096.  
SELDEN – CO-OP 1 bdrm, lg l/r, full kitch, din/rm w/ hdwd flrs, full bath, lots storage, private patio/entr, c/ac, 2nd flr unit many extras, 10 min to BNL. must sell. \$105,000 neg. Ralph, 516-769-5370.  
WADING RIVER - 3 bdrm, 2 1/2 ba, hse w/jacuzzi, kit, laundry, ceram. tile, l/r, d/r, basemt, lg. deck, 1 acre, WRSD. Sec. dep., income verif., cred. chk. req. Pets ok w/pet sec. dep. Utils. not incl. \$2,900. 943-9107.

## In Appreciation

I would like to thank the staff and nurses at OMC for their care and concern when I needed their help. You are appreciated more than you know!! Thank you.  
— Laura Macarthur

# Prepare for Healthfest Month

By Michael Thorn, Wellness Program Manager

Healthfest is a BNL tradition and it will be back this October with something for everyone...great health and wellness advice, fun activities, and, of course, an awesome T-shirt.

I encourage everyone in the BNL community to join with your colleagues to participate in our site-wide walk, 5K run, mountain bike ride, and swim events. Try out ballroom dancing, table tennis, and Reiki, along with the many BERA programs.

Our annual health fair will have health screening, balance evaluations, and information on safety and health to enrich many aspects of your life.

An important part of wellness at BNL is our Employee Assistance Program (EAP). EAP Manager Nancy Losinno will provide a new presentation: "Marital Checkup: Positive Steps for a Healthy Marriage." In addition, she will hold sleep screenings the week of October 24 and depression screenings throughout October by appointment.

Healthfest is one of the many ways BNL demonstrates its commitment as a fit-friendly employer. Earlier this year, the American Heart Association named BNL a "Fit-Friendly Company" for the sixth consecutive year, making it one of more than 1,400 employers so recognized nationwide. The Lab was one of only a few given the prestigious platinum-level award.

Visit the Healthfest intranet site for details and registration information. I look forward to seeing you at these exciting events and programs.

Register for events at <http://intranet.bnl.gov/healthfest/>.

## Wednesday, October 5

**400-Yard Swim** 11 a.m. - 1:30 p.m., Bldg. 478, Pool  
**Open House Guided Tour of Gym, Weight Room, and Pool** 11:30 a.m. - 1:30 p.m., Bldg. 478. Ask questions, find out how to join.

**Table Tennis, Singles B** - 5 p.m., Bldg. 317, Rec Hall. All are welcome. Pre-registration is required. Register at [mcguigan@bnl.gov](mailto:mcguigan@bnl.gov).

## Thursday, October 6

### Split Biathlon

Swim Location: Bldg. 478, Pool, 800-Yard, 11 a.m. - 1:30 p.m. (timed) Run (on Oct. 14, see below)

### Marital Checkup: 'Positive Steps for a Healthy Marriage'

Noon - 1 p.m., Bldg. 488 Berkner Hall, Room B  
Talk by Nancy Losinno, Employee Assistance Program Manager. Space is limited, register at <http://intranet.bnl.gov/healthfest/>.

## Tuesday, October 11

**10 minute-Massage:** 11 a.m. - 2 p.m., Bldg. 488, Berkner Hall Room B. Pre-registration is required and space is limited. Call Michael Thorn at 631-344-8612 to register for this activity (limited to BSA & BHSO employees).

## Wednesday, October 12

**2-mile Site-wide Walk** Noon - 1 p.m.

A map of the route will be emailed after registration.

Rain Date: Thursday, October 20th

Table Tennis, Doubles 5 p.m., Bldg. 317, Recreation Hall  
All are welcome! Pre-registration is required. To register, please send an email to Michael McGuigan, [mcguigan@bnl.gov](mailto:mcguigan@bnl.gov).

## Thursday, October 13

**Ballroom Dancing for All Levels** 11:30 a.m. - 1:30 p.m., Brookhaven Center. Enjoy a mini-class and a short demonstration of the various dances by club members.

## Friday, October 14

**Healthfest 5k Run** (rain or shine) Noon - 1 p.m., outside Bldg. 463, Biology. **Also, 5k Biathlon Run**, Noon - 1 p.m. (timed)

## Monday, October 17

**Healthfest Fair & Raffle** 11 a.m. - 1:30 p.m., Bldg. 488, Berkner Hall. Health screenings, raffles, exhibits, more!

## Tuesday, October 18

**Intro to Reiki** Noon - 1 p.m, Bldg. 488, Berkner Hall, Room C

## Wednesday, October 19

**Table Tennis, Singles A** 5 p.m., Bldg. 317, Recreation Hall.  
All are welcome! Pre-registration is required. To register, please email to Joe Woicik, [woicik@bnl.gov](mailto:woicik@bnl.gov)

## Friday, October 21st

**Mountain Bike Ride** (5 or 8 mile routes) Noon - 1 p.m., Gazebo by the ballfield. Helmets and mountain bikes are required.

## Monday-Friday, October 24-28

**Free Trial BERA Classes** Try out the many classes that are offered on-site for free or a modest fee. Go to the BERA website for more information, [www.bnl.gov/bera/](http://www.bnl.gov/bera/).

# Donations Needed To Support Troops

The AdoptaPlatoon team from the Brookhaven Veterans Association (BVA) is collecting hot chocolate, peanut butter and jelly (in plastic containers only), soup, and hand/body lotion, for the Lab's adopted platoon. Drop off your gift in boxes located at Bldg. 490, Clinic; Bldg. 400, Lobby; Bldg. 488, Lobby; and Bldg. 510, Library; Bldg. 725C, Room 2-134. Please send monetary donations to: BVA, memo – "troops" POB 671, Upton, NY 11973. Thank you.