

Coming Up

Two Lectures by Author Susan Quinn

June 12
BSA

Distinguished Lecture
4 p.m.

June 13
BWIS Lecture
noon

See story on page 2.

Senator Charles Schumer Announces Port Security Bill



On May 12, U.S. Senator Charles Schumer (left) invited Ralph James (right), BNL's Associate Laboratory Director for Energy, Environment & National Security, to join him at a press conference held at Pier 88 in Manhattan, where the Senator announced that he was introducing new legislation to help protect the nation's ports from terrorism. The Senator is seeking \$250 million over the next five years to develop and implement new radiation sensors and detection technologies to help prevent dangerous materials from entering the U.S. The funding would be available to national laboratories, universities and other scientific institutions.

Several of the sensor technologies currently under development at BNL were displayed at the press conference, which was attended by most major New York media outlets. James was interviewed and featured in many of the news stories that followed.

— Jane Koropsak and Peter Genzer

Lessons Learned

BNL Co-organizes Counterterrorism Workshop Focused on New York



General John Gordon (left), Administrator of the National Nuclear Security Administration (NNSA), who sponsored the workshop, speaks with workshop participants: (from left) Louis Anemone, Metropolitan Transportation Authority; Jack McCready, U.S. Coast Guard Research & Development Center; Paul Moskowitz, BNL; William Zinnikas, Federal Bureau of Investigation; and John Harvey, NNSA.

Photos for this story are by Roger Stoutenburgh.

Workshop participants included: (below, from left) Thomas Graham, National Nuclear Security Administration (NNSA); Paul Moskowitz, BNL; James Crum, Office of Homeland Security; and John Harvey, NNSA.



With the forever-altered landscape of lower Manhattan as a backdrop, 150 representatives from 60 federal, state, and New York City agencies recently gathered in waterfront Kings Point, N.Y., to share their 9/11 experiences and explore ways of strengthening the metropolitan region's security and emergency response capabilities.

At the request of DOE's National Nuclear Security Administration (NNSA), Paul Moskowitz, who heads BNL's new Nonproliferation & Counterterrorism Division in the Nonproliferation & National Security Department, co-organized "The New York Metropolitan Region: Counterterrorism and Infrastructure Assurance Technology Needs Workshop," March 26-28.

At the workshop, which was co-hosted by the Environmental Measurements Laboratory (EML), the New York City Office of Emergency Management (NYCOEM), and the U.S. Merchant Marine Academy (MMA), as well as BNL, attendees sought to match the technical needs of local agencies with the advanced capabilities available at DOE national laboratories. Other DOE participants included Argonne, Lawrence Livermore, Los Alamos, Oak Ridge, Pacific Northwest, and Sandia National Laboratories, the Idaho Engineering & Environmental Laboratory, and the Savannah River Site.

"We're looking to bring our combined expertise to bear in meeting the mission needs of those responding to terrorism," said NNSA Administrator General John Gordon. "We want to hear from you, the operators on the front line, what it is you need, what your limitations are, . . . You can help us bring reality to the technologies coming out of the system. My question to you today is, 'If you



Cranes used to off-load containers at the Port of New York, which handles 1.8 million containers a year.

owned these laboratories, these plants, that turn R&D into real product, what would you have us do?"

Held at the historic MMA on Long Island Sound, the workshop featured talks by agencies including the U.S. Customs Service, U.S. Coast Guard, the Port Authority of N.Y./N.J., the Metropolitan Transportation Authority (MTA), NYCOEM, the NYC Department of Environmental Protection, and private companies including KeySpan Energy and Verizon.

Several gripping presentations recounted the participating agencies' 9/11 experiences, what each agency is doing now to ensure that facilities are protected from future terrorist attacks, and what technologies would be most helpful in carrying out this mission. As examples of what is needed, speakers mentioned advanced security systems; quick-response nuclear, biological, and chemical detectors; and training on how to use these instruments and interpret their readings.

(continued
on page 2)



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 —

Weekdays: English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. Learn English, make friends. For a complete schedule, see www.bnl.gov/esol/schedule.html. Jen Lynch, Ext. 4894.

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: BNL Music Club

noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

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 Monique de la Beij, 399-7656.

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/toastmstrs/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.

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: Farmers' Market

11:30 a.m.-1:30 p.m., Parking lot, Berkner Hall.

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., Brookhaven Ctr. 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
• Ballroom dance social: 5/18.
Marsha Belford, belford@bnl.gov or Ext. 5053, or www.bnl.gov/bera/activities/dance.

Science Discussion Group

12:30-1:30 p.m., Berkner Hall, Room A or D. Patrice Pages, Ext. 3270, pages@bnl.gov.

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., social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

June is Gay Pride Month

A display commemorating gay pride is set up in the Berkner Hall lobby. For more information, see www.bnl.gov/bera/activities/globe.

— NEXT WEEK —

Wednesday, 6/12

Rifle & Pistol Club Meeting

Noon, Conference Room, Bldg. 535. Jim Durman, Ext. 5993, or www.bnl.gov/bera/activities/rpc/.

*BSA Distinguished Lecture

4 p.m., Berkner Hall. Prize-winning author Susan Quinn will present "The Clinical Trial: Gold or Oversold?" See story at right.

Thursday, 6/13

Power Resources International Demo

10 a.m.-2 p.m., Berkner Hall. Representatives from Power Resources International and Phoenix Contacts will present BNLeers with special rates on their products and services. For more information, contact Scott Bobal, 643-3170.

*BWIS-Sponsored Talk

Noon, Berkner Hall, Room B. Prize-winning author Susan Quinn will present "The Uses of Adversity: Learning From the Lives of Two Remarkable Women." All are welcome. See story page 2, far right.

Counterterrorism Workshop

(cont'd.)



Dockside equipment that may be outfitted with sensors to detect smuggled nuclear devices.



An example of a shoreside energy facility that could be vulnerable to a terrorist attack.

"General Gordon, we're looking to you for answers," said Louis Anemone, security director for the MTA. "I want a system that will let me know within hours, not days, if there has been a release. I can't wait for people to start showing up in emergency rooms to know something's wrong."

Other speakers focused on the potential for a weapon of mass destruction to be smuggled through the Port of N.Y./N.J. into the metropolitan region. To get an up-close look at harbor and port security issues, attendees took a high-speed ferry tour of lower New York harbor and the Port Elizabeth, N.J., cargo terminal, one of the largest in the United States. In 2000, the Port of N.Y./N.J. handled 58 percent

of all US Atlantic Coast freight — more than all other ports combined. As the 15th largest container port in the world, the Port handled 1.8 million individual containers carrying 139 million tons of cargo worth \$82 billion.

"Each ship in this port can hold 6,000 containers, and, if you off-loaded just one and lined the containers up end-to-end, they would stretch nearly the entire length of Manhattan," said MMA's Gerhardt Muller, illustrating the magnitude of the problem. "Right now, only about two percent are inspected."

The workshop concluded with a small-group meeting at DOE's Environmental Measurements Laboratory in Manhattan, where DOE staff and select

agency representatives reviewed the input generated during the previous two days and brainstormed a path forward.

"I think MMA's motto, 'Acta Non Verba,' (Actions, Not Words) is quite apt," said Moskowitz. "This is the challenge we all now face."

— Peter A. Genzer

Note: On Thursday, June 6, after the Bulletin went to press, Paul Moskowitz, as Head of BNL's Nonproliferation & Counterterrorism Division, testified before the Legislative Commission on Science & Technology and the New York Assembly Committee on State-Federal Relations at a public hearing to explore what the state can do to assist in obtaining federal funding, especially for counterterrorism research and development.



Roger Stoutenburgh D3350402

Benefit Notes

For more information, contact the Benefits Office, Human Resources Division, Bldg. 185, Ext. 2877, or call (800) 353-5321.

Qualifying Events

Changes to medical and/or dental coverage may be made only during the annual open enrollment or within 31 days of what is called a "qualifying event." Qualifying events include: birth or adoption of a child, marriage, divorce or legal separation, loss of dependent status (for instance, due to graduation), or a spouse's gain or loss of employment.

Women's Breast Cancer Rights

Federal law requires group health plans to provide coverage for the following services to an individual receiving plan benefits in connection with a mastectomy:

- reconstruction of the breast on which the mastectomy has been performed
- surgery and reconstruction of the other breast to produce a symmetrical appearance, and
- prostheses and treatment of physical complications for all stages of a mastectomy, including lymphedema, which is swelling associated with the removal of lymph nodes.

The group health plan must determine the manner of coverage in consultation with the attending physician and patient. Coverage for breast reconstruction and related services is subject to deductibles and coinsurance amounts that are consistent with those that apply to other benefits under the plan.

Precertify Hospital Stays

All participants in the CIGNA PPO medical plan are reminded to obtain hospital precertification from CIGNA. Precertification is mandatory for a one-or-more-night's stay in the hospital, but not for ambulatory surgery procedures for which patients are admitted to and released from the hospital the same day. If you are retired and covered by Medicare, you *do not* have to precertify.

If an employee, retiree, or family member fails to notify CIGNA regarding precertification or emergency hospital admission, medical insurance benefits will be reduced to cover 50 percent of the amounts otherwise payable with a maximum of \$500.

Expectant mothers *must* call CIGNA before the end of their *first* trimester to precertify their maternity-hospital admission. They or a family member *must* also call within 24 hours following admission into the hospital for the delivery.

For hospital pre-admission certification, call CIGNA at (800) 982-8958 before admission to the hospital or within 48 hours of an emergency admission. This phone number is on the back of the CIGNA identification card. Employees and retirees should advise their families of the precertification requirement, so, in case of an emergency, they can make the required telephone call to CIGNA.

Coming Up

On Thursday, June 20, Betsy Sutherland, Biology Department, will talk about "Tackling Challenges of Space Travel at BNL's Booster Applications Facility," at 4 p.m. in the Snyder Seminar Room, Bldg. 911A. All are invited to this BWIS-sponsored talk, and coffee, tea, and cookies will be served in the lobby beginning at 3:30 p.m.

ITD Supports Desktop Teleconferencing

The BNL user community can now participate in H.323 video teleconferences from their desktop with anyone in the world, without compromising network security.

The Information Technology Division (ITD) has established an H.323 "Gatekeeper," which eliminates the requirement for guest and visiting scientists at BNL to submit a conduit request to conduct H.323 desktop video teleconferences. Conduits, "holes" in the BNL firewall that expose individual computers directly to the Internet, can potentially be exploited by hackers.

Instructions on how to employ H.323 desktop video teleconferencing services can be found at <http://intranet.bnl.gov/itd/networking>. For more information, contact Scott Bradley, Manager of Network Operations and Voice Services, Ext. 5745 or bradley@bnl.gov.

Susan Quinn
Lectures 6/12, 13

Prize-winning author Susan Quinn will give two lectures at BNL: A BSA Distinguished Lecture titled "The Clinical Trial: Gold or Oversold?" on Wednesday, June 12, at 4 p.m. in Berkner Hall, and a Brookhaven Women in Science (BWIS)-sponsored talk on "The Uses of Adversity: Learning from the Lives of Two Remarkable Women" on Thursday, June 13, at noon in Berkner Hall, Room B.



Susan Quinn

The BSA Distinguished Lecture will be based on Quinn's latest book, *Human Trials: Scientists, Investors, and Patients in the Quest for a Cure* (Perseus Publishing). Specifically, Quinn will discuss a case study of a clinical trial involving new drugs to treat autoimmune diseases, such as multiple sclerosis, arthritis, lupus, and diabetes, highlighting the challenges and imperfections of clinical trials.

Refreshments will be served before the lecture at 3:45 p.m., and a reception will follow the talk. Quinn will sign books at the reception.

In the BWIS talk, Quinn will discuss her reasons for writing the biographies of psychoanalyst Karen Horney and scientist Marie Curie, and the ways in which she tried, in each case, to learn from the adversity that neither of her subjects liked to talk about.

Attendees of the BWIS talk may bring lunch; coffee, tea and cookies will be provided. To join the speaker for breakfast on Thursday morning, June 13, call Stephanie LaMontagne, Ext. 7141.

After receiving a B.S. in English from Oberlin College in 1972, Quinn became a daily newspaper reporter for *The News Herald*, outside Cleveland. She then moved to Boston, where she became a contributor to an alternative Cambridge weekly, *The Real Paper*, and later a contributor and staff writer for *Boston Magazine*.

In 1979, Quinn won the Penney-Missouri magazine award for an investigative article in *Boston Magazine*. She has written articles for many publications, including *The New York Times Magazine* and *Atlantic Monthly*.

Quinn is the author of *On Stage: The Making of a Broadway Play*, a book for young adults; *A Mind of Her Own: The Life of Karen Horney*, which received *The Boston Globe's* Lawrence L. Winship Award for the best book published by a New Englander; and *Marie Curie: A Life*, which was nominated for the *Los Angeles Times* Book Award and the Fawcett Book Prize in England, and is translated into seven languages. *Human Trials* was published in paperback in May 2002. — Diane Greenberg

Cleanup Activities Update

Over the next few months, BNL will be initiating environmental restoration work in two major locations: the sewage treatment plant on site and the residential area south of the Lab.

On Site

At the on-site treatment plant (see map, top right), the work will include excavation of berms around the sand filter beds as well as removal of some sand filter bed material. This will address mercury and cesium-137 contamination in the sand and soil. To control dust, workers will mist the excavation area with water and suspend work during high winds. A fact sheet providing more information is available at <http://www.bnl.gov/erd/peconic/STPCleanup.pdf>.

Earlier this year, pilot studies were done to clean sediment in the Peconic River just downstream from the plant (see photo, right) and at the site boundary. Results of these studies will establish a basis for the cleanup plan for river sediments in the upper portions of the Peconic River. The cleanup plan will be submitted to the La's regulators later this year.

South of the Lab

South of the Lab, project managers from Environmental Restoration, with help from the community relations staff in the Community, Education, Government, and Public Affairs Directorate, have begun going door-to-door to talk to residents about the cleanup plans for chemical groundwater contamination that has moved beyond Brookhaven's boundaries to the south and southeast. The Lab plans to install six groundwater-treatment systems in off-site locations over the next two years (see map, right). A copy of a fact sheet with more information is available at www.bnl.gov/erd/water/GroundwaterCleanup.html. A workshop on Tuesday, June 11, from 7 to 9:30 p.m., in Berkner Hall, will offer participants additional information and an opportunity to submit suggestions. Interested employees are also welcome to attend.

Children's Swimming

Applications are now being accepted for BERA's summer swimming lessons, which are open to children and grandchildren of all Lab employees, visitors, and facility-users. Lessons will run from Monday, July 1, to Friday, August 23.

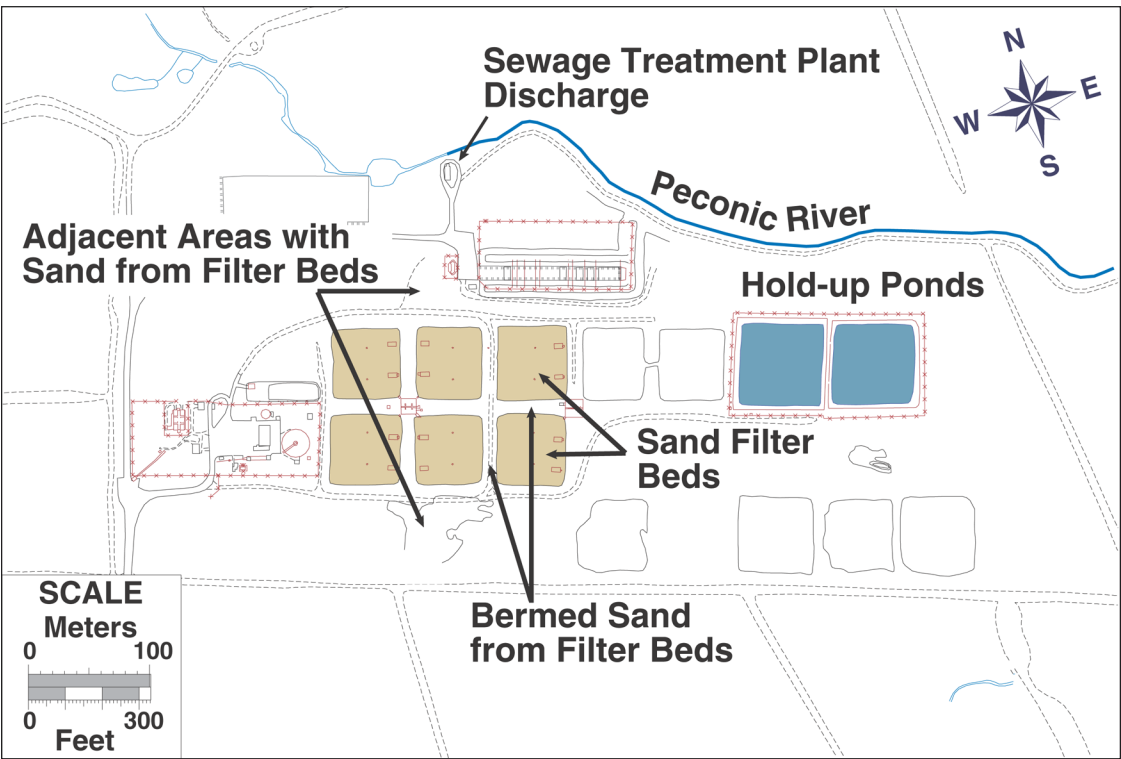
Program - Each child will be scheduled for one lesson per week for a total of eight lessons. American Red Cross certificates will be awarded to children who qualify on completion.

Time: Monday through Friday, 2:15-3:15 p.m. Children should arrive at 2 p.m. for preparation.

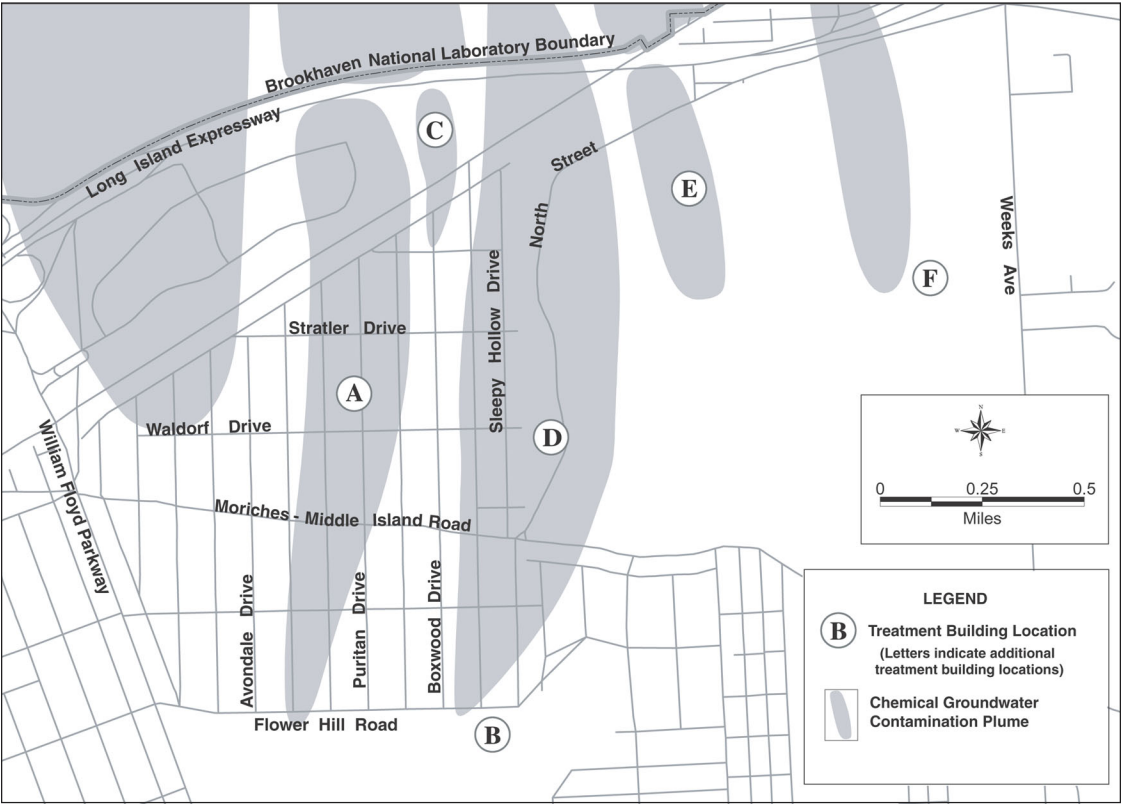
Fee: \$60 for each child upon registration, plus \$2 daily admission fee or present a season ticket.

Height: For their safety, children must be a minimum 42 inches tall.

Registration: Pick up applications at Human Resources, Bldg. 185, 8:30 a.m.-5 p.m.; the BERA Sales Office, Berkner Hall, open on weekdays, 9 a.m.-3 p.m.; or the swimming pool during scheduled hours. Mail or deliver applications with registration fees (checks payable to BERA) to the Recreation Office, Bldg. 15, no later than Friday, June 14.



Ed Kaplan (left), BNL employee and Community Advisory Council member; and Bob Conklin, Town of Riverhead, discuss a Peconic River pilot project with BNL's Noel Blackburn (right), a project engineer with BNL's Environmental Restoration. For more information, see BNL's "cleanupupdate," April 2002.



Arrivals & Departures

Arrivals		
Dmitry Kosynkin	.....	Medical
Konstantin Petrov	.....	Physics
Indhira Ramirez	.....	ES&H
Departures		
Nela Cintron	.....	Biology
Louise Hanson	.....	CEGPA
Beatriz Noheda	.....	Physics
Naim Raza	.....	Plant Eng.
John Smith	.....	NSLS
Kathleen Vodopia	.....	Medical
Arline Willsey	.....	ISD
Randy Woodous	.....	Rad. Ctrl.

The Bulletin regrets that among the departures of May 24, 2002, Michael Ponticiello, Plant Engineering, was inadvertently included as Ponticiello.

Investment Advice

A Fidelity Investment Representative will be at the Lab on Tuesday, June 18, to hold individual sessions with employees interested in learning more about their retirement-savings and investment options. To schedule a 45-minute appointment, call (800) 642-7131.

BERA Spirit Dinner Cruise, 7/3

Join a party of friends to celebrate Independence Day one day ahead on BERA's Spirit Dinner Cruise on Wednesday, July 3. Participants will sail around on a luxury yacht past the Statue of Liberty, Ellis Island, and views of Manhattan, while enjoying a hot and cold buffet dinner, live music, and entertainment.

Tickets, which include round-trip transportation, can be purchased at a cost of \$89 per person, at the BERA Sales Office in Berkner Hall, weekdays, from 9 a.m. to 3 p.m. This event is open to all 12 years of age and older.

Bronx Zoo Trip, 8/24

Join BERA's Bronx Zoo Bus Trip on Saturday, August 24. The zoo is known for its spectacular, naturalistic habitats for more than 6,000 animals, including the "World of Darkness" and the "World of Reptiles." The cost of \$32 for adults and \$28 for children covers coach transportation and Zooventure tickets, which include: general admission, round-trip zoo shuttle, Bengali Express, Skyfari cable car (one way) and the Children's Zoo.

The bus will leave the Brookhaven Center at 8:30 a.m. and leave the zoo to return to the Lab by approximately 6:30 p.m. Make your paid reservations at the BERA Sales Office, Berkner Hall, weekdays, 9 a.m.-3 p.m.



Even before you get to the zoo, you may have seen some Canada geese with their goslings on site such as this proud parent spotted by photographer Roger Stoutenburgh.

Calendar

(continued)

Thurs. & Fri., 6/13-14

***BNL Blood Drive**
9:30 a.m.-3 p.m., Brookhaven Center. BNLers from 17 to 75 years of age, in good health, and weighing over 110 lbs. are welcome. All donors should have photo identification and know their social security number. Susan Foster, Ext 2888, donateblood@bnl.gov. See story on page 4.

— WEEK OF 6/17 —

Wednesday, 6/19

Music Recital
Noon. Berkner Hall. The Thibaud Ensemble plays Schubert's "Trout" quintet. All are welcome. Bring your lunch and come and go as you please.

Safety Glass Office Closed
The Safety Glass Office will be closed today and will reopen on Wednesday, 6/26.

374th Brookhaven Lecture
4 p.m., Berkner Hall. Thomas Ullrich of the BNL Physics Department will present "Exploring Hot and Dense Matter With Hard Probes." See story in next Friday's Bulletin.

Thursday, 6/20

Brookhaven Advocacy Council Meeting
12:30-1 p.m., open session, Berkner Hall, Room A. For more information, see www.bnl.gov/bac.

***BWIS Lecture: Betsy Sutherland**
4 p.m., Snyder Seminar Room, Bldg. 911A. Betsy Sutherland, Biology Department, will talk about "Tackling Challenges of Space at BNL's Booster Applications Facility." All are invited.

— WEEK OF 6/24 —

Monday, 6/24

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.

— WEEK OF 7/1 —

Wednesday, 7/3

***Spirit Dinner Cruise**
\$89 per person. Celebrate Independence Day by sailing around Manhattan. Cruise past Ellis Island, the Statue of Liberty, and other landmarks. Enjoy a meal, entertainment. This event is open to those 12 years of age and older. Tickets available at the BERA Sales Office, Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

— WEEK OF 7/22 —

Monday, 7/22

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.

— WEEK OF 8/5 —

Friday, 8/9

N.Y. Yankees Baseball Game
\$55 per person includes ticket and bus transportation to watch the Yankees vs. the Oakland Athletics. Bus departs the Brookhaven Ctr. at 4 p.m. and will return at 11:30 p.m. Tickets available at the BERA Sales Office, Andrea Dehler, Ext. 3347.

Long Island Loses 25 Percent of Its Blood Supply



You can make a difference Donate Blood, June 13 & 14

BNL's upcoming blood drive is scheduled for next Thursday and Friday, June 13 & 14, from 9:30 a.m. to 3 p.m. at the Brookhaven Center.

New federal guidelines went into effect this month banning all imported blood from Europe. The government took that step in order to make sure that a rare and fatal disease known as variant Creutzfeldt-Jakob (commonly referred to as mad cow disease) is not introduced into the national blood supply.

As a result, Long Island has permanently lost 25 percent of its blood supply. Only your support will help all of Long Island make up for this deficit through increased blood donations.

To schedule an appointment to give blood, go on-line to donateblood@bnl.gov or call Susan Foster at Ext. 2888. Remember to bring a picture ID when you go to donate.

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.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK2368. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in applied mathematics, skills in computer modeling, and familiarity with computer languages and modern operating systems. A strong background in engineering and chemistry highly desirable, as is experience in managing large numerical databases and their statistical analysis. Responsibilities will include the development of image analysis computer methods to enhance the signal to noise ratio in PET and MRI brain images and the application of these methods to the large database of brain images. Under the direction of N. Volkow, Medical Department.

MK2371. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. or M.D. with firsthand experience in structural MRI of the brain and MR spectroscopy. Research areas include: structural and functional Magnetic Resonance Imaging (MRI), MR spectroscopy, neuroscience, neurology and neuroradiology. Will be responsible for performing and analyzing MR spectroscopy and functional MRI scans in human subjects on the 4T scanner. Will participate in NIH-funded studies on the effects of HIV

infection and drug abuse on the human brain using MRI. Under the direction of T. Ernst, Medical Department.

MK3040. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in experimental condensed matter physics or related field, with experience in x-ray or neutron scattering and strongly correlated electron systems highly desirable. Will participate in research programs on charge in homogeneities in strongly correlated systems. Under the direction of J. Hill, Physics Department.

NS3005. CUSTOMER SUPPORT ANALYST (I-4) - Requires a bachelor's degree in a technical/business area, or equivalent, and 1-3 years of related work experience with business systems, central Laboratory business systems (PeopleSoft), knowledge of web page development, and experience with the PC environment, including Microsoft operating systems and products. Experience with Word, Excel, Access and PowerPoint is essential. Knowledge of FrontPage and Publisher is a plus. Will design and maintain the Division's web page. Will analyze, design, formulate and implement computing systems/business applications in support of needs and/or in response to problems. Will provide administrative support to the Quality of Life/Recreation Office and act as agent for the Division in the areas of Computer Security Representative, Personal Computer Liaison, Property, Security & Training Representative. Will provide back up in the area of Fleet Management. Will also be responsible for the budgeting and forecasting of Division's computer procurements; have the ability to communicate technical information effectively to nontechnical users, and understand the Laboratory-wide networks and be the Division's liaison with ITD, Staff Services Division.

NS2295. WRITER/EDITOR (A-4) – Requires a bachelor's degree in English, technical writing, or journalism, five years' experience in technical or scientific writing, especially procedure writing, and excellent rewriting skills, including the ability to synthesize meaning and intent into clearly written documents. Excellent interpersonal communication and team building skills required, as is strong ability to work efficiently and effectively under tight deadlines. Experience with HTML, MS Word, Dreamweaver, and developing web pages desired. Responsibilities include consulting with subject-matter experts for the purpose of writing, rewriting, and editing complex technical, scientific, and administrative material. Under general direction, will write and edit Laboratory-wide scientific, technical, and administrative documents for

See How Science Meets the World Through Photography & Graphic Arts

Poster display in Berkner Hall on Tuesday, June 11

To see how your science can meet the world through photography and graphic arts, come and see a poster display and meet BNL's Photography & Graphic Arts team on Tuesday, June 11, from 11 a.m. to 1:30 p.m. in Berkner Hall. Team members will be available from Copy Service, Graphic Design, Photography, Printing, and Video to describe available services and to show how BNL's professional staff can support scientific research.

Shopping Shuttle Expands Service

BNL's shopping shuttle, which offers free transportation at selected times to those on site who need a ride to local shops, is expanding the service to include Wednesday evenings. For more information about the schedule, go to the shopping shuttle web site at <https://fsd84.bis.bnl.gov/staffServices/menu/transportation/ShoppingShuttle.htm>, or call the Transportation Office, Ext. 2535.

New Tai Chi Class

The BNL Tai Chi Club will start a new 10-week session on Monday, June 17. Tai Chi is a traditional Chinese exercise for the mind and body that promotes health, calmness, and a general sense of well-being.

Classes are held on Mondays, Tuesdays, and Fridays, noon-12:45 p.m., in the Recreation Building, Bldg. 317, York Lane, in the apartment area. All are welcome to join the 10-week session, which costs \$40. For more information, contact Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Hospitality Holds Barbecue, 6/29

The Hospitality Committee invites the Lab community, family and friends to a "Fourth of July" BBQ that will take place on Saturday, June 29, at 5:30 p.m. at the gazebo located in the apartment area.

Participants are requested to bring a salad or side dish for six persons. Meat and beverages will be provided by Hospitality. There will be games for the children. For information, call Hospitality Chair Monique de la Beij, 399-7656.

publication on the Standards-Based Management System (SBMS) web site. Information Services Division.

TB3872. MATERIALS SCIENCE ASSOCIATE (P-3, term appointment) – Requires a bachelors degree in physics, electrical engineering, nuclear engineering, material science or equivalent experience with an emphasis on semiconductor devices, materials, and processing and the ability to work closely within a team. Master's degree desirable. One or more years of experience with semiconductor device processing, process equipment operation, and laboratory measurement techniques are desired. Some knowledge on the theory, operation and processing of semiconductor devices or radiation sensors is preferred. Excellent communication skills and the ability to work independently with limited direct supervision are strongly desired. Responsibilities include working closely with scientific staff to develop semiconductor-based radiation detectors including the design, modeling, fabrication and characterization of crystals and detectors. The work requires the operation of semiconductor process equipment, measurement of electronic defects, collection of data on electrical transport properties, and documentation of results. Other expectations include preparation of publications, reports and proposals, attendance at conferences to report research results, and interfacing with sponsors. Some assistance to maintain and upgrade laboratory capabilities is expected. Current projects involve development of radiation detectors and arrays fabricated using silicon and cadmium zinc telluride for the measurement of x-rays, gamma rays and charged particles. Applications include nuclear nonproliferation, astronomy, medical imaging, high-energy physics, and environmental monitoring. Energy, Environment & National Security Directorate.