

## Chemist Richard Holroyd: Senior Scientist Emeritus

Richard Holroyd, a retired senior chemist in the Chemistry Department, has been named Senior Scientist Emeritus. An internationally recognized leader in the fields of radiation chemistry and the chemistry of electrons in non-polar fluids, Holroyd has made numerous distinguished scientific contributions during his more than 40-year career at BNL.

After his retirement in 2003, Holroyd continued to work at the Lab two days per week, conducting experiments with Chemistry Department staff and collaborators from other institutions.

Holroyd said, "I am honored to be given Emeritus status, and I continue to enjoy working on my own ideas in my research. The Lab has been a great place to pursue ideas in basic research."

### Fast Electrons

Early in his career at the Lab, Holroyd was interested in determining why electrons injected into a non-polar fluid drift very fast in an electric field — 100 to 100,000 times faster than ions. Non-polar fluids, such as hydrocarbons, have a fairly symmetrical structure and charge distribution as well as high electron mobility. In contrast, polar fluids, such as water, have lower electron mobility.

"I wanted to understand not only why electrons move so fast in non-polar liquids, but also why they have different drift velocities in different liquids," Holroyd said. "It was curiosity-based research, purely basic studies, relevant to the interests of the Atomic Energy Commission, Energy Research & Development



Roger Stoutenburgh D0020112

Administration, and DOE."

To help understand electron mobility, Holroyd measured the energy levels of excess electrons in non-polar fluids using the photoelectric effect. He would shine ultraviolet (UV) light on a metal immersed in a non-polar liquid and then measure the energy required to kick the electrons out of the metal. The electrons are emitted because they absorb energy, or electromagnetic radiation, from the UV light. Holroyd showed there was a definite link between electron energy level and mobility.

Holroyd's research in electron mobility has proven valuable in the design of high-mobility, fluid-based nuclear and high energy particle detectors, including the ATLAS detector, which BNL had a major part in designing and building for the Large Hadron Collider at CERN, the European Organization for Nuclear Research.

In related research, Holroyd conducted studies to under...

See *Richard Holroyd* on p. 2

## Vote for 'America's Next Top Energy Innovator'

**DOE Hosts Competition Among Most Innovative Start-Up Companies Using Laboratory Inventions to Create New Businesses, Products**

DOE invites all to vote for the most innovative and promising start-up companies in the "America's Next Top Energy Innovator" challenge. SynchroPET, one of the start-up companies (see sidebar right), has an agreement for technology for miniaturized PET scanners developed at Brookhaven Lab. For more information on this technology, see: [http://www.bnl.gov/bnlweb/pubaf/pr/PR\\_display.asp?prID=1380](http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=1380).

Voting will end at 8:59 a.m. EST. on Monday, February 6, and the top start-up companies out of the 14 participating — based on the public vote and an expert review — will be invited to be featured at the premier annual gathering of clean energy investors and innovators around the country, the 2012 ARPA-E Energy Innovation Summit, at the end of February.

"Through the America's Next Top Energy Innovator Challenge, we are unleashing start-up companies to do what they do best: create new products, new industries, and new jobs," said U.S. Energy Secretary

Vote Online by 2/6:

<http://energy.gov/topinnovator>

**SynchroPET, based in Shoreham, New York, is a start-up biotech firm with the next generation of PET Scanners, which have superior imaging capabilities to what is currently available on the market today. SynchroPET's technology was developed at Brookhaven Lab and it enabled SynchroPET to miniaturize the typical PET Scanner while improving its image. SynchroPET's technology can be paired with an existing MRI machine for a simultaneous image. These advances will accelerate the creation of new pharmaceuticals to treat cancers, and Alzheimer and Parkinson's diseases. SynchroPET currently has four prototypes built, and each has been used by researchers from labs in New York.**

Steven Chu. "We've challenged America's entrepreneurs and innovators to create new businesses based on discoveries..."

See *Energy Innovator* on p. 2



Roger Stoutenburgh D0320112

## Suffolk County Legislators Visit BNL

Suffolk County Legislators from several districts across the County recently visited BNL to learn more about the Lab's economic impact on Long Island, as well as BNL research accomplishments and activities, especially in the field of energy research. An overview was provided on the Brookhaven Lab-Stony Brook University Smarter Grid Research, Innovation, Development, Demonstration, Deployment Center (SGRID<sup>3</sup>), and also the LI STEM Hub, a new program promoting science, technology, engineering,

Pictured above are: (from left) Gerald Stokes, BNL Associate Laboratory Director for Global and Regional Solutions; Michael Bebon, BNL Deputy Director for Operations; Doon Gibbs, BNL Deputy Director for Science and Technology; Tom Muratore, Suffolk County Legislator, Legislative District (LD) 4-Ronkonkoma; Sarah Anker, Suffolk County Legislator, LD 6-Mount Sinai; Wayne Horsley, Suffolk County Legislator, LD 14-Babylon; Robert Calarco, Suffolk County Legislator, LD 7-Patchogue; Kara Hahn, Suffolk County Legislator, LD 5-Setauket; Sam Aronson, BNL Director; Michael Deering, Vice President of Environmental Affairs, Long Island Power Authority; and Robert Gordon, Business Management Division Director for DOE Brookhaven Site Office. Not pictured is Susan Eckert, who represented Lynne Nowick, Suffolk County Legislator, LD 13-Saint James.

and mathematics to help build LI's workforce. SGRID<sup>3</sup> and LI STEM Hub were both winners of funding through Governor Cuomo's Regional Economic

Development Councils. After the presentations, the group visited the site of the Long Island Solar Farm at BNL.

— Jane Koropsak

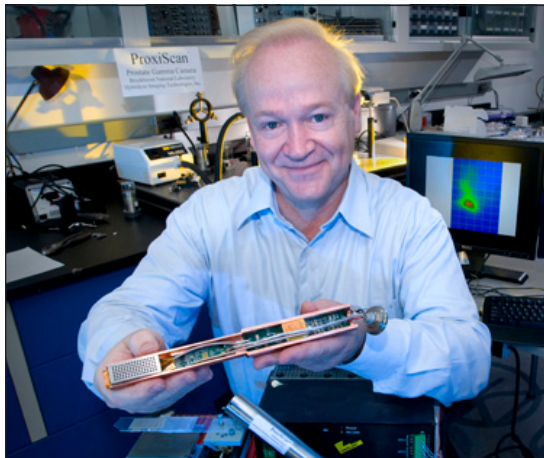
## Ten BNL Scientists Granted Tenure

Brookhaven Science Associates (BSA) granted tenure to 10 BNL scientists, effective December 1, 2011. The scientists are: James Alessi, Collider-Accelerator Department; Hooman Davoudiasl, Physics Department; Jason Graetz, Sustainable Energy Technologies Department; Ralph James, Nonproliferation & National Security Department; Qiang Li, Condensed Matter Physics & Material Sciences Department; Chang-Jun

Liu, Biology Department; Ping Liu, Chemistry Department; Allen Orville, Biology Department; Paul Sorensen, Physics Department; and Bo Yu, Instrumentation Division.

Tenure appointments are made after a rigorous selection procedure culminating in a comprehensive review of each tenure case by the Brookhaven Council, an elected body that advises the Director on matters of concern to the scientific

staff. The BSA Science & Technology Steering Committee oversees the tenure process and makes final recommendations to the BSA board. The newly tenured scientists are featured here in alphabetical order, or as photographs or articles become available. The contributions of James Alessi and Hooman Davoudiasl appeared in the Bulletin of January 27; those of Ralph James and Ping Liu are summarized below.



Roger Stoutenburgh D0510060

**Senior Scientist Ralph James** of the Nonproliferation & National Security Department (NNS) was awarded tenure for his many contributions to radiation detection and nuclear proliferation prevention. With 18 patents under his belt, he is an internationally recognized expert on radiation detectors and his research has enabled significant advances in the performance of wide band-gap semiconducting compounds that detect radioactive materials at room temperature.

"Ralph is an outstanding leader in the development of room-temperature radiation instrumentation for detecting and imaging x- and gamma ray radiation," said Carol Kessler, NNS chair. "He has also contributed substantively to x-ray detector physics and medical imaging as well as to nuclear nonproliferation and homeland security."

Among James' achievements was the discovery of the material properties limiting the performance of cadmium zinc telluride (CZT) radiation detectors and the means to resolve the shortcomings by corrections in the synthesis, crystal growth and fabrication methods. James and his team invented new processes for growth and purification of CZT crystals with fewer extended defects and developed a technique for post-growth thermal annealing to reduce the presence of such defects.

James earned his Ph.D. from California Institute of Technology in applied physics in 1980. He is a five-time winner ..... See *Ralph James* on p. 2



Joseph Rubino D0100007

**Chemist Ping Liu** was granted tenure for her strong contributions to catalysis science, achieved through her computational studies of mechanisms, energetics and kinetics of interfacial chemical reactions. Her research at BNL has focused on the catalysis of energy conversion processes, particularly in fuel synthesis, and on electrocatalysis for efficient fuel use in fuel cells.

In fuel synthesis, Liu has become a leader in the development of improved metal-oxide catalysts that allow the water-gas shift reaction to occur at lower temperatures, which would help in improving mobile hydrogen supplies in a developing hydrogen economy. She has also delved into the synthesis of ethanol from small molecule precursors, an important problem in thermochemical routes to biofuels, identifying the reaction steps that limit selectivity and conversion efficiency, and predicting methods that would increase it. These varied projects figure in the Laboratory's major science initiative to reduce carbon emissions through the development of renewable fuels.

Liu has also applied computational methods to fuel cell electrocatalysis, providing important insights into catalyst function in areas such as the difficult oxygen reduction reaction, and the efficient electro-oxidation of ethanol and how catalyst function may be improved.

See *Ping Liu* on p. 2

CALENDAR  
OF LABORATORY EVENTS

- The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See <http://www.bnl.gov/esol/schedule.asp> for schedule. Jen Lynch, Ext. 4894.

Mondays: Yogalates

Noon–1 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

Mon. & Thurs.: Kardio Kickboxing

\$5 per class. 12:15–1:15 p.m. in the gym (Bldg. 461). \$5 per class. Ext. 2873.

Mon., Tues., Thurs., & Fri.: Tai Chi

Noon–1 p.m., B'haven Cntr (Bldg. 30), N. Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

Tuesdays: Hospitality Welcome Coffee

10:30 a.m.–noon at the Rec Hall (Bldg. 317). Meet over coffee. Children welcome. Ext. 2873.

Tuesdays: Pilates

Noon–1 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

Tuesdays & Wednesdays: Zumba

Tuesdays: Noon–1 p.m., in gym (Bldg. 461). Wednesdays: 5:15–6:15 p.m., at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

Tuesdays: Toastmasters

Two monthly meetings: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Room 160. Guests and visitors welcome. [www.bnl.gov/bera/activities/toastmstrs/](http://www.bnl.gov/bera/activities/toastmstrs/).

Tuesdays & Thursdays: Aerobic Fitness

5:15–6:30 p.m. in the Rec. Hall (Bldg. 317). \$5 per class, or 10 classes for \$40. Kathy Schoenig, Ext. 2818.

Tuesday & Thursday: Aqua Aerobics

5:30–6:30 p.m., Pool (Bldg. 478). Registration required, Ext. 2873.

Wednesdays: Ballroom Dance

5:30, 6:30, 7:30 p.m., Brookhaven Center (Bldg. 30). Vinita Ghosh, Ext. 6226.

Wednesdays: Play Group

10 a.m.–noon at Rec Hall (Bldg. 317). Parents meet while infants/toddlers play. For events, see <http://www.meetup.com/BNL-Playgroup>, or call Ext. 2873.

Wednesdays: Yoga

Noon–1 p.m., B'haven Center (Bldg. 30). Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov).

1st Wednesday of month: LabVIEW

1:30–3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304, or Terry Stratoudakis, (347) 228-7379.

Thursdays: BNL Cycletrons Club

5 p.m., Brookhaven Center. First Thurs. of month. Andy Mingino, Ext. 5876.

Thursdays: Reiki Healing Class

Noon–1 p.m., Call for location. Nicole Bernholz, Ext. 2027.

Thursdays: Postdoc Social Night

6:30 p.m. ASAP Lounge (Bldg. 462). [www.bnl.gov/asap](http://www.bnl.gov/asap).

Thursday: Judo Class

7:30 p.m. Gym (Bldg. 461). Tom Baldwin, Ext. 4556.

Fridays: Family Swim Night

5–8 p.m. Pool (Bldg. 478). \$5/family. Ext. 2873.

Want to Learn to Knit?

No knitting classes are scheduled now, but call Ext. 5090 if interested.

Richard Holroyd from p. 1

...stand the chemical behavior of excess electrons in non-polar fluids. He irradiated solutions of hydrocarbon fluids, for example, which contain a solute of interest. A solute is a substance dissolved in a fluid with which an electron reacts. He found that excess electrons that are created through radiation react by attaching to solute molecules much faster than other species, such as ions or radicals. His studies, in which he varied the density of the fluid by applying pressures of up to 3,000 atmospheres, revealed the energetics and other factors that influence the rates of these reactions. To understand these reactions in greater detail, Holroyd is still working with members of the Thermal and Photoinduced Reactions Group, headed by John Miller of Chemistry. These studies are carried out using the department's Laser Electron Accelerator Facility.

Ping Liu from p. 1

"Through outstanding collaboration with BNL experimental catalysis scientists, Ping has contributed strongly to the growing BNL reputation in catalysis science," said Alexander Harris, Chemistry Department chair. "Her productivity and visibility in the catalysis community show an upward trajectory, and she has also become an important contributor to the computational theory effort in the Center for Functional Nanomaterials."

Liu earned her B.Sc. in materials science and Ph.D. in condensed matter physics from Jilin University, China, in 1997 and 2000, respectively, and joined BNL in 2002.

— Natalie Crnosija

Ralph James from p. 1

...of the prestigious R&D 100 Award, which recognizes the 100 most significant new technologies of the year. After winning in 1996, 1998, 1999, and 2001, he won the latest award in 2009 with BNL's Yonggang Cui, for developing a compact gamma camera for high-resolution imaging of prostate cancer.

James joined BNL in 2001 as the Associate Laboratory Director for Energy, Environment and National Security, then returned to full-time research in 2008. He now leads the Radiation Detection Research & Development Group and has secured BNL's prominent position in radiation detection.

— Natalie Crnosija

# In Memoriam: Peter Stelmaschuk

Peter Stelmaschuk, Deputy Manager of the Laboratory's Site Resources Division, died on January 16, at age 59.

Stelmaschuk rose through the ranks and worked in a number of roles and positions during his 32 years at Brookhaven. He started at the Lab on October 15, 1979, with the title of Metal Worker Maintenance A in Plant Engineering. In August 1988, he was promoted to Metal Worker Maintenance A Group Leader, and then in January of 1990 to Construction Support Supervisor. He became Sheet Metal/Insulation Supervisor in April of 1994, Multi Trade Supervisor in October of 1996, and General Supervisor of Building Maintenance in October of 1997. He was then promoted to Manager for Maintenance & Fabrication Services in July of 2010 and Deputy Manager of the Site Resources Division on October 1, 2010.

In 2006, Stelmaschuk received a Brookhaven Award — the Lab's highest honor for operations staff — for his outstanding qualities as a supervisor in his field, his technical skills, and for being an excellent leader, safety conscious, creative, and always open to new ideas.

"Pete was a leader both at work and in his personal life. We are saddened by his loss and we will miss him greatly," said



Roger Stoujenburgh D5640311

Lanny Bates, Assistant Laboratory Director for the Facilities & Operations Directorate (F&O). "We introduced many changes in F&O during the past few years. Pete was critical in making those changes possible, because of his credibility and respect from the staff."

Tom Lambertson, Manager of the Lab's Site Resources Division, said, "Pete was an encyclopedia of knowledge of the inner workings of the buildings across the site, as well as a respected leader for his supervision team. He proved himself as an innovator when he helped to create and later managed the 'Team Maintenance' program in the Laboratory's former Plant Engineering Division. If there was a better way or a newer tool to get work done safer and more efficiently, Pete would research it and imple-

ment its use at the Laboratory."

"Pete was one of the best craft supervisors I've had the privilege of working with. He was a natural leader, always very pleasant, technically expert, and genuinely concerned about the safety of his people," said Ed Murphy, Manager and Chief Engineer for the Laboratory's Energy and Utilities Division. Murphy helped nominate Stelmaschuk for the Brookhaven Award he received in 2006.

"Pete was eager to try out new ideas, very customer-focused (especially in dealing with our leaky roofs) and his craftspeople and staff liked working for him," Murphy added.

"I had the opportunity to work directly with Pete for more than 10 years. We called him the 'Supervisor from Heaven,' because you never had to worry about his groups' activities. He always had his finger on the pulse," said Leo Somma, Facility Complex Manager for the North Complex. "Pete always shared with me his proposed solutions to the problems and challenges he faced at work, and his solutions were always right on! We all learned a lot from him and will sincerely miss him."

Stelmaschuk is survived by his two children, Mark and Erin, and extended family.

— Joe Gettler

## Calling SBU Alumni Now at BNL Reception and Stand Up 8 Circus Show, 2/12

Are you a Stony Brook University alumnus working at BNL? On Sunday, February 12, you are cordially invited by the Stony Brook Alumni Association and the Office of Brookhaven Affairs to join your fellow Stony Brook graduates at a reception at the Simons Center followed by an exclusive presentation of *Stand Up 8*, an upbeat theatrical circus, at the Staller Center.

SBU Provost Dennis Assanis and BNL Director Sam Aronson will greet attendees at the reception, which will be held

from 2 to 3:45 p.m. to give everyone the chance to meet each other, chat, and enjoy delicious *hors d'oeuvres*.

After the reception at the Simons Center, you can stroll over to the Staller Center for the 4 p.m. show. *Cirque Eloise* fans from last year's BNL-Stony Brook Alumni event will remember the edge-of-your-seat stunts and athletic trickery that delighted audience members. This year will bring even more fun and excitement to audiences of all ages, and you are encouraged to bring the entire family to

see the death-defying stunts, fire-eaters, a skating aerialist, a trampoline champ, and more.

Tickets to the *Stand Up 8* show are \$10 each. Please RSVP for the reception and to buy tickets by Wednesday, February 8 at latest. For more information, call Janet Masini at 632-6212, or email [Laura.Lyons@stonybrook.edu](mailto:Laura.Lyons@stonybrook.edu). To register for tickets, see [www.stonybrook.edu/commcms/bnl/](http://www.stonybrook.edu/commcms/bnl/) and link to Upcoming Events or see [www.stonybrook.edu/commcms/bnl/UpcomingEvents.html](http://www.stonybrook.edu/commcms/bnl/UpcomingEvents.html).

### Synchrotron Research

In the 1980s, Holroyd was an innovator in the application of synchrotron radiation to problems in chemical physics. He was a co-spokesperson with fellow Senior Chemist Emeritus Ralph Weston for Brookhaven's National Synchrotron Light Source (NSLS) beamline U9A, where Holroyd used vacuum ultraviolet light to measure lifetimes of excited states and ionization efficiencies of hydrocarbons and other molecules.

In the 1990s, Holroyd and collaborators extended this work to the Chemistry's NSLS x-ray beamline X7B. Holroyd also worked at other synchrotron light sources in Wisconsin and at Cornell University to measure the effects of x-rays on non-polar liquids.

### Post-Retirement Research

Recently, Holroyd, in collaboration with Cherice Evans and her students at the City University of New York, has been measuring the mobility of excess electrons

in supercritical fluids — fluids at a temperature above which a gas will not liquefy, called the critical point. This work is performed at the Chemistry Department's Van de Graaff accelerator, which creates x-ray pulses that release electrons into the fluid under study.

Holroyd and his collaborators hope to quantify the relationship, suggested by theory, between the electron mobility and the energy level of the electron in supercritical fluids. The electron energy level changes considerably as the density of the fluid changes, particularly near the critical temperature, and it is expected that these changes will be reflected in the electron mobility.

### A Distinguished Career

Holroyd earned a B.A. in chemistry from the College of Wooster in 1952 and a Ph.D. in chemistry from the University of Rochester in 1956. As an undergraduate student during the summer of 1954, he worked at BNL, where he was

introduced to the field of radiation chemistry. In 1957, he joined the University of California, Los Angeles, as an assistant professor of engineering and was stationed in Indonesia, where he helped to set up and also taught at an engineering school, Gadjah Mada University, in Yogyakarta.

Upon returning to the U.S. in 1959, Holroyd became a fellow at the Radiation Laboratory at Mellon Institute in Pittsburgh, Pennsylvania. In 1964, he joined the technical staff at Atomics International in Canoga Park, California, and in 1969, he became a chemist in BNL's Chemistry Department. He received tenure in 1974 and was promoted to senior chemist in 1989.

Holroyd was a recipient of the Alexander von Humboldt U.S. Senior Scientist Award in 1975-1976. His research at BNL has been published in over 150 peer-reviewed publications and has been cited more than 2,000 times.

— Diane Greenberg

Energy Innovator from p. 1

...made by our world-leading national laboratories."

Profiles of the competing start-ups that could make the greatest contributions to the country's economic and energy future are available online: <http://energy.gov/topinnovator>. An expert panel will also evaluate the companies and rank them.

"America's Next Top Energy Innovator" is part of the Obama Administration's Startup America initiative, which aims to create the best possible climate for high-growth entrepreneurs across the country. The companies participating in the challenge have signed option agreements allowing them to license valuable, cutting-edge technologies developed and patented by one of the U.S. Department of Energy's 17 National Laboratories and the Y-12 National Security Complex. Thirty-six companies in total have signed these option agreements with the national laboratories. They have done so under a streamlined, simplified application process. Learn more about these agreements online: <http://energy.gov/science-innovation/innovation/americas-next-top-energy-innovator>.

### Demo and Training In Use of New Software For Scheduling Conference Services

Tuesday, 2/7, 10:30 a.m. Berkner Hall, Room B

If you use BNL's Conference Services — for example, to reserve meeting rooms — you are invited to learn how to use new scheduling software soon to be available. Light refreshments will be served. Please RSVP to Ruth Comas, [comas@bnl.gov](mailto:comas@bnl.gov) or Ext. 3545.



## Meet the Brookhaven Advocacy Council — All Members Are There to Help

The Brookhaven Advocacy Council (BAC), which is composed of BNL peers drawn from positions all over the Laboratory, is an independent, confidential committee that thoroughly investigates and proposes recommendations to resolve problems, concerns and issues brought to its attention by any non-union BNL employee, guest, or user. The BAC reports directly to the Lab Director.

Said BAC Chair Jackie Mooney, “The Brookhaven Advocacy Council is a group of Lab members with varied back-

Pictured above are Brookhaven Advocacy Council members: (seated, from left) Joe Cracco, Physics Department; Ruth Comas, Co-Chair, Staff Services Division; Jacqueline Mooney, Chair, Physics Department; Joseph Sullivan, Secretary, Photon Sciences Directorate; and Deana Buckallew, Radiological Control; (standing) Darcy Mallon, Director’s Office; Stan Sakry, Facility Operations Office; Rich Ohlsen, Laboratory Protection Division; Jessica Wilke, Quality Management Office; Liz Gilbert, Outreach Coordinator, Human Resources & Occupational Medicine Division (HROM); and Rick Morales, HROM.

grounds and different outlooks who are selected from employees who volunteer or are nominated to help resolve other employees’ problems. People sometimes mix us up with the Brookhaven Council, another group with members in direct communication with the Lab Director. The Brookhaven

Council is a group elected from tenured scientists, and they advise the Director on matters concerning the scientific staff.”

To bring any concern or issue to the BAC’s attention, contact a member directly or call its hotline at Ext. 4200. For more information, see [www.bnl.gov/bac/](http://www.bnl.gov/bac/). — Liz Seubert

### African American History Month

**BNL’s African American Affinity Club has organized events in recognition African American History Month this month.**

**Tuesday, February 14,** Noon – 1 p.m. Berkner Hall. Video Presentation of a NOVA program, **The Forgotten Genius (Part I)**. Through reenactments, archival film, and personal interviews, NOVA tells the life journey of Percy Julian, who won acclaim for his discoveries in organic chemistry and who became the first black director of an industrial chemistry research lab. After earning his masters at Harvard University, and his Ph.D. at the University of Vienna, among other achievements, he converted soybeans into steroids on an industrial scale, and helped make the drug cortizone affordable.

**Thursday, February 16,** Noon – 1 p.m. Berkner Hall. Video Presentation of a NOVA program, **The Forgotten Genius (Part II)**. See above.

**Thursday/Friday, February 16/17,** 11 a.m. – 2 p.m. **Art Display,** Berkner Hall lobby

**Thursday, February 23,** Noon – 1 p.m. Berkner Hall. **Sekazi K. Mtingwa of the Massachusetts Institute of Technology will talk on “Celebrating the Lives of Two Bold Afro-Russians.”** Mtingwa will talk about two geniuses, Alexander Sergeyevich Pushkin (1799-1837) and his great-grandfather, Abram Petrovich Gannibal (1696?-1781), who contributed immensely to literature and civil engineering, respectively. He will explore their impact on the history and soul of Russia and assess the impact that Pushkin had directly on African-American literary figures during the Harlem Renaissance.

**Tuesday, February 28,** Noon. Berkner Hall. Video Presentation entitled **No Short Climb**. The topic of this **documentary** by Robert Johnson, Jr. is “Race Workers” & America’s Defense Technology.”

### Can You Spare a Pint? Blood Drive, 2/15

On Wednesday, February 15, please consider rolling up your sleeve to give blood at the BNL blood drive. Your gift will save the lives of patients in hospitals throughout Suffolk County, as well as Nassau and Queens. These hospitals require approximately 800 units of blood each day to meet routine needs, and it is hard to ensure this supply.

Many BNLeers have long been steadfast blood donors, and thousands of unknown families thank you for your selfless support. If you are thinking of donating blood for the first time, you will learn the joy of providing hope and health to others, which far outweighs the time involved.

To be a blood donor you must: bring a valid photo ID; weigh a minimum of 110 pounds; be between the ages of 16 (with parental permission) and 75 years old (76+ accepted with a doctor’s note); eat well (low fat) and drink fluids; and not have donated blood in the past 56 days. Restrictions may apply to individuals from the United Kingdom and Europe

Schedule an appointment by calling Liz Gilbert, Ext. 2315, or online: <http://www.bnl.gov/hr/blooddrive/>.

### Pool/Gym Hours

The Pool will be closed for maintenance all day and night on Friday, February 17. The gym will be open as usual that day, but all facilities will be closed from Saturday, February 18, through Monday, February 20, in observance of President’s Day.

## Defensive Driving Course in Two Parts, 2/16 & 23

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on consecutive Thursday nights, February 16 and 23, in the Brookhaven Center South Room, from 6 to 9 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families and friends. The cost is \$33 per person. Preregistration is required. To register, call Ed Sierra, Ext: 4080 or 821-1013, and leave a message. Or complete a New York DMV Approved Course Online for \$39.95 with discount (Use code: “SAVE10” for \$10 discount): [www.lidrivesafe.com/](http://www.lidrivesafe.com/).

### Arrivals & Departures

— Arrivals —

Klaus Attenkofer ..... Photon Scis  
David Fobes .....CMPMS  
Eric Johannsen .....ES&H  
Aaron Johnston-Peck .....CFN  
Hisham Kamal  
Sayed Abdalghaffer ..... Physics  
Xiang Leng .....CMPMS  
David Petry ..... Photon Scis  
Xiaoya Shi .....CMPMS  
Paul Zschack ..... Photon Scis

— Departures —

Carl Andre .....Biology

### Send a Love Note to Your Valentine — by 2/6

Is there a special message you’d like to send to your valentine? Are you looking for a valentine? You can have your Valentine’s Day message printed in *The Bulletin* on Friday, February 10.

E-mail your 15-to-20 word “love note” with “For Valentine’s Day” in the subject line to [bulletin@bnl.gov](mailto:bulletin@bnl.gov) by Monday, February 6. If you use interoffice mail, send your note to Liz Seubert at Mail Stop 400C. You must include your name, life number, and extension or home phone number, but your name will not be printed unless it is clearly part of the message. Copy must be deemed tasteful. All “love notes” will be accepted at The Bulletin’s discretion.

## BERA News, Upcoming Trips

Tickets and arrangements are for the benefit of BNL/BSA employees, users, guests and their families. To make reservations, register and pay at the BERA Store in Berkner Hall, Monday through Friday from 9 a.m. to 3 p.m. Tickets are non-refundable, and those younger than 21 must be accompanied by BNL employee/parent. Buses depart from the Brookhaven Center (Bldg. 30), unless noted otherwise.

- **Knicks vs. New Jersey Nets:** Monday, 2/20 — not Sunday, as the Bulletin incorrectly stated in last week’s issue — at Madison Square Garden. Leave BNL at 4 p.m. and leave to return after game at about 10:30 p.m. Seats in Section 300 and game time is 7:30 p.m. \$85 includes ticket, bus, and driver tip.
- **Mohegan Sun** in Connecticut: Saturday, 3/3, Cost is \$43 per person, includes bus, driver tip, \$15 buffet voucher, and three \$5 slot plays. Must be at least 21 years of age for this trip. Leave BNL at 7:45 a.m. for 9 a.m. ferry in Port Jefferson. No Exit 63 pick up, all others must meet at the ferry parking lot and be on bus before it boards ferry by 8:30 a.m. Depart Mohegan Sun at 6:30 p.m. for the 8 p.m. ferry.
- **Knicks vs. Detroit Pistons:** Saturday, 3/24, at Madison Square Garden. \$85 includes ticket, bus, and driver tip. Seats in Section 300 and game time is 7:30 p.m. Leave BNL at 4 p.m. and leave to return after game at about 10:30 p.m.
- **Ringling Brothers and Barnum & Bailey Circus:** Sunday, 3/25, at Nassau Coliseum. \$40 per person, adult or child. Children under age two who sit on a lap are free. Leave BNL at 9:30 a.m. and leave after the show at about 1 p.m.

### BERA Board Seeks Nominees

All employees of Brookhaven Science Associates wishing to be considered as a candidate for one of the four available positions for the 2012 BERA Board election must contact one of the board members listed below no later than Friday, February 10. All interested nominees must notify and seek approval from their immediate supervisor prior to seeking candidacy in order to participate in the monthly meeting obligations. Need more information about what being a BERA Board member entails? Call one of the current members to discuss this.

#### Current BERA Board Members

- Linda Barrett: Ext. 5165, [lbarrett@bnl.gov](mailto:lbarrett@bnl.gov)
- Phyllis D’Avanzo: Ext. 2986, [domenech@bnl.gov](mailto:domenech@bnl.gov)
- Ruth Comas: Ext. 3545, [comas@bnl.gov](mailto:comas@bnl.gov)
- Pat Flood: Ext. 7886, [flood@bnl.gov](mailto:flood@bnl.gov)
- Augie Hoffman: Ext. 3884, [ahoff@bnl.gov](mailto:ahoff@bnl.gov)
- Helen Savage: Ext. 2531, [hsavage@bnl.gov](mailto:hsavage@bnl.gov)
- Rick Wagener: Ext. 5886, [wagener@bnl.gov](mailto:wagener@bnl.gov)
- Susan Wells: Ext. 7427, [swells@bnl.gov](mailto:swells@bnl.gov)

## CALENDAR

— WEEK OF 2/6 —

**Wednesday, 2/8**

**Employee Assistance Program Talk**  
Noon. Berkner Room B. Nancy Losinno will speak on children’s sleeping problems. Seating is limited, so register in advance: [nlosinno@bnl.gov](mailto:nlosinno@bnl.gov).

— WEEK OF 2/13 —

**Tuesday, 2/14**

**\*NOVA: Chemist Percy Julian (Pt. I)**  
Noon. Berkner Hall. see African American History notice, left.

#### Info on Weight Loss Program

Noon. Bldg. 490. Large Conference Room. Program open to eligible employees. Register in advance: call Michael Thorn, Ext. 8612.

**Wednesday, 2/15**

#### \*Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center (Bldg. 30). See below, left.

#### BSA Noon Recital

Noon. Berkner Hall. Opera from Stony Brook. Peter Brook’s adaptation of *La Traviata* by Verdi, with conductor Tim Long. Free, open to the public. Visitors to the Lab of 16 and older must carry photo ID.

#### 475th Brookhaven Lecture

4 p.m. Berkner Hall. Tom Watson of the Environmental Sciences Department will speak on “A Really Good Hammer: Quantification of Mass Transfer Using Perfluorocarbon Tracers.” All are welcome to this free lecture, open to the public. Refreshments will be served before and after the talk. Visitors to the Lab of 16 and older must carry photo ID.

**Thursday, 2/16**

#### \*Art Display for African-American History Celebration

11 a.m.-2 p.m. Berkner Hall lobby. See notice, left.

**\*NOVA: Chemist Percy Julian (Pt. II)**  
Noon. Berkner Hall. see African American History notice, left.

— WEEK OF 2/20 —

**Monday, 2/20**

**President’s Day: Lab Closed**  
No Bulletin on February 24.

**Thursday, 2/23**

#### \*Talk by Sekazi K. Mtingwa, MIT

Noon-1 p.m. Berkner Hall. Talk on “Celebrating the Lives of Two Bold Afro-Russians,” one of the events celebrating African-American History month. See notice, left.

## New Ballroom Dance Classes Start, 2/22

The BNL Ballroom Dance Club will start a new series of six lessons on Wednesday, February 22, in the North Ballroom at the Brookhaven Center.

5.30 p.m. Beginner American Tango  
6.30 p.m. Intermediate Tango  
7.30 p.m. Intermediate International Rumba

The cost is \$45/person for each 6-week series. Classes are on Feb. 22, 29, March 7, 14, 21 and April 4.

American Tango is perhaps the easiest ballroom dances to pick up and a lot of fun. International Rumba is danced to music intermediate in speed between American Rumba and Bolero with a step pattern similar to Bolero.

For registration information, contact Vinita Ghosh, Ext. 6226, [ghoshvj@bnl.gov](mailto:ghoshvj@bnl.gov); Arup Ghosh, Ext. 3974, [aghosh@bnl.gov](mailto:aghosh@bnl.gov); Mike Hanson, Ext. 2947, [hanson@bnl.gov](mailto:hanson@bnl.gov); John Millener, Ext. 3853, [millener@bnl.gov](mailto:millener@bnl.gov); or go to [www.bnl.gov/bera/activities/dance/default.asp](http://www.bnl.gov/bera/activities/dance/default.asp).

## 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."

**LABORATORY RECRUITMENT** - Opportunities for laboratory employees only.

**PESTICIDE APPLICATOR** - Apply pesticides and assist in animal control in accordance with Integrated Pest Management Practices. Must be a driver C/C 531 and meet the requirements of the Job Assessment form. Individual will perform duties and responsibilities of a Driver and participate in Driver OT opportunities in accordance with the OT List. Candidate must satisfactorily complete the required 30-hour core course of instruction and core exam and the required 10-hour category specific instructional exams. Site Services Division Please submit Employee Transfer form to Diana Hubert, Bldg. 400B referring to Job ID # 16006.

### Motor Vehicles & Supplies

08 HONDA CIVIC - 44K mi. 4cyl, 4dr, a/t, a/c, p/s, p/w, p/l, am/fm, MP3, CD, tilt wheel, eng, ABS brakes in excel cond, v/ gd tires. \$13,334 neg. 339-3444.

06 PONTIAC G6 - 108K mi. blk on blk leather sedan, pwr moon roof, new brakes pads/rotors/batt, gd cond. \$6,500 neg. Matthew, mvescovi@bnl.gov.

06 FORD MUSTANG GT - 39K mi. V8, 5spd manual, dp red w/blk leather, Bullitt rims, new Gdyr RS/A tires, metic. maintd. \$15,800 neg. Scott, Ext. 7197, 834-9382.

03 VOLKSWAGEN JETTA - 118K mi. 1.8L turbo, 5 spd, manual, 4D, sunroof, new brakes. \$4,000. 903-1117.

03 TOYOTA HIGHLANDER - 69.5K mi. v/ clean/well maintd, orig owner, V6, awd, s/ roof, new tires/brakes/batt, remote start. \$11,000 neg. 697-6383.

02 SUBARU WRX - 110K mi. 5spd, orig owner, metic maintd, all repair docs, new catalytic converter, exhaust, oxy sensor, newish tires/brakes, \$7,850. 275-5828.

47 STINSON 108-1 - fully metalized, Scott T/W, vert. card comp., 4 pl. intercom, com panel, Franklin 150, 2522 TTAFF/1182 SMOH, more. \$20,000 neg. Justine, Ext. 2114.

**TIRES** - Michelin, all-season radial, 185/65R15, used, excel cond, photo avail, \$25. Diane, Ext. 2347.

### Boats

12 YAMAHA SUPERJET - '94 Yamaha 650 superjet stand-up. All apart (needed new top end, I could build it up but injury forces sale or trade). \$600 neg. Ext. 8162, 816-3554.

### Furnishings & Appliances

**BUNK BEDS** - wooden twin bunk bed frame, excel cond, mattresses not incl, \$100/obo. Denise, Ext. 4289.

**FREEZER** - Kenmore upright 12 cu ft. Bert, Ext. 5474 or bert@bnl.gov.

**FURNITURE** - Oak entertainment unit \$100, solid wood rocking chair \$75, solid wood end tables \$25, pine china closet \$75, computer table&chair \$35. 909-1102.

**FURNITURE** - wood kit. tble 47Lx-29Wx29H, 4 chrs, gd cond. \$50; coffee tble, clear top, w/sep shelf, \$45; sofa & love-seat floral, gd cond/\$85. wanda@bnl.gov.

**MICROWAVE OVEN** - Oster Countertop, blk, 0.7 cubic ft, new, still in orig box/\$50. 849-3411 or forenza.lady@yahoo.com.

**WALL LAMP/SCONCE** - Victorian, set of 2; white glass/brass, pic, both/\$45; one/\$25; also elect corner unit f/p; brick façade w/ brass drs, \$125/both, must sell. 909-7080.

### Audio, Video & Computers

**CELL PHONE W/EAR PHONE** - Samsung Rogue Cell, Verizon Wireless, VCast Multimedia phone w/touch screen. BO. Yvette, Ext. 5591 or malavet@bnl.gov.

**HP INKJET CARTRIDGES** - 2-#14, 1/ color, 1/BW; 2-#10 black; all in orig pkgs, \$5/ea. Lynda, Ext. 7235 or fitz@bnl.gov.

**HP INKJET CARTRIDGES** - 2 black: 56 C6658A; 2/color 28 C8728A, & 57 C6657A, \$5/ea, orig, unopened pkgs. 566-8261.

**INTEL CORE 2 CPU** - Duo 2.2 GHz cpu, incls heatsink and fan, all working/\$30. Travis, shrey@bnl.gov.

**IPAD** - 1st gen, 64gig 3g+wi, restored to factory defaults w/iOS5, comes w/case, in orig box, \$430. Renee, Ext. 8278.

**SMC WIRELESS G ROUTER** - used, but working, built in USB print server/\$15. Mark, Ext. 3970 or mwahler@bnl.gov.

**TV** - 27" Toshiba CRT flat screen, works great, have remote, \$50. Jim, Ext. 7460.

**VHS TAPES & 8MM VIDEO** - 2/new SONY 6 hr, VHS Tapes/\$5, 5/new Fujifilm 120 min, Videocassette/ \$5. Ext. 7918 or difilip@bnl.gov.

**X BOX 360 ROCKBAND** - Rockband 1&2 games, and instruments, rockband 2 has no box, instruments are in excel cond. Bryan, 828-2446.

### Sports, Hobbies & Pets

**BICYCLE** - Toy Story 12" Bike, blue w/ training wheels/\$15. Ext. 7918 or difilip@bnl.gov.

**FISH TANK** - plastic, filter, lid/light total system, aprox 10 gal, ask/\$15. Scott, sbronson@bnl.gov.

**SAXOPHONE BUESCHER** - Tenor sax, w/case, great cond, serial #485658, \$450. Denise, Ext. 4289.

**SKI BOOTS** - Lange comp 70 ski boots size 8, almost new, \$30. Eli, Ext. 7179.

**SURF BOARD** - Roxy, 7 1/2' light blue w/ pink details, cushioned, non-slip surface, leash incl, excel cond, \$400. Margaret, 219-7196.

**TREADMILL** - Landice 8700 programmable, fully functional, 3hp motor, 10 yrs old, lightly used, ask/\$500. Mike, 476-5810 or kwsny@optonline.net.

**WEBELOS STUFF** - handbook, hat, neckerchief and slide, Barely used, \$20/ all. Kelly, Ext. 8938 or kellys@bnl.gov.

### Tools, House & Garden

**110V MIG WELDER** - needs work, handle smashed, worked well before I broke the handle, possible trade for a space heater. Ext. 8162, jad9817@yahoo.com.

**ARMY GENERATOR W/TRAILER** - U.S. gas, 5kw, not started since last fall, great to use or restore, trades considered. 816-3554.

**SNOW BLOWER** - Craftsman 4 HP single stage snow blower - 4 years old. \$150. Steve, Ext. 7593 or sawch@bnl.gov.

**SNOWBLOWER** - Craftsman 21", single-stage, 3.8hp Tecumseh. \$75. Jay, jadams@bnl.gov.

**SPACE HEATER** - Torpedo Kerosen, works very well. \$110. Joe, Ext. 3783, 487-1479.

**TWIN BED QUILT** - Hannah Montana, blue/Purple like new cond w/matching sham/\$20, pic avail. Ext. 5290.

### Miscellaneous

**SOFT SILICONE SKINS** - 10 different color cases for Blackberry Bold, never used/\$20. Donna, Ext. 2716, 878-2425 or storan@bnl.gov.

**SUITCASE SET** - 5/pc, grey Leisure Brand, pull strap type w/wheels, 28"x20", 6"x18", 24"x16", 22"x14", toiletry bag, excel cond, Pierre Cardin carry on incl/\$50. Ext. 5290.

**SUITCASES** - Pierre Cardin, set of 5, 28"h x 21"w and 26"h x 19"w w/wheels, grey, 2 carry-ons w/handles, garment bag, photo avail/\$60. greenbd@optonline.net.

**TICKET** - 1 ticket to the NYC Winter Wine Festival, Sat, Feb 4, 3 pm at Best Buy Theater in Times Square, orig/\$89, will sell for \$50. Andrea, awund@bnl.gov.

**X BOX 360 ROCKBAND** - Rockband 1&2 games, and instruments, rockband 2 has no box, instruments are in excel cond. Bryan, 828-2446.

### Car Pool

**PLAINVIEW LIBRARY** - Established car-pool needs 4th person, 8 am-4:30 pm, leave Plainview, Old Bethpage Library @7:15, Elliott ext 2495, Pat ext 6195. Leon, Ext. 2682.

### Community Involvement

**RENAISSANCE MUSIC ENSEMBLE** - Come play renaissance music once weekly during lunch hour. Guitarists (or lutenists), percussionists, and Winds wanted. All skill levels. Violinists & violists need not apply. Justine, Ext. 2114.

### Free

**MOVING BOXES** - 4 2'x 2', 5 2x3' boxes for dishes and 12 wardrobes w/internal hangers, still taped together, u-pick-up in Baiting Hollow. Carol, Ext. 8964, 284-9208 or ckessler@bnl.gov.

**TV** - 27" Toshiba CRT 5 yrs old, works fine w/remote and owners manual. Frank, Ext. 3433 or crescenzo@bnl.gov.

**VARIOUS ITEMS** - microwave cart; 13" color TV; 20" color TV; Oil Filled Electric Radiator, E-mail for photos & more info. Mike, loftus@bnl.gov.

### Wanted

**APARTMENT** - 2 bdrm apt in Park Slope, South Park Slope or Windsor Terrace area of Brooklyn for working couple w/1 cat, for \$1,500-\$1,600 max rent. Mary, Ext. 3927 or maryc@bnl.gov.

**BABY SEAT W/PLAY TRAY** - Bumbo, free or pay less. Yong, Ext. 3961 or yhu@bnl.gov.

**DESK** - looking for nice homework desk, preferable light colored wood, need chair, also. Susan, slattuca@bnl.gov.

**HOUSEMATE** - rm for rent, 10 mins to lab, exit 66 loc. right off LIE, share hse w/single professional, pref. resp young adult/college student, \$650/mo. Suresh, Ext. 5215.

**QUEEN MATTRESS** - box spring, w/head board if possible! Thank you. Rick, Ext. 3005 or rbuono@bnl.gov.

### Garage Sale

**RIDGE** - Garage Sale Sat Feb 4 after 12 noon, moving, all must go, 21 Peconic Rd, off of Eagle Drive & Smith Rd. 708-5148.

### For Rent

**KISSIMMEE, FL** - 1/bdrm unit, sleeps 4, avail Easter wk -Apr 8-15, Sheraton Vistana Villages. \$350/wk. 813-0497.

**KISSIMMEE, FL** - 3 bdrm, 2 bath condo fully furnd, 4 mi from Disneyland, not a timeshare. \$700/wk. Beatrice, Ext. 3642.

**WEEKI WACHEE, FL** - priv ranch on Gulf, 70m Orlando, 45m Tampa, fly Islip direct, near beach/tennis/park, SW architecture, 3/bdrm, 2/bath, d/r, f/p, 2gar, ipp in lanai, fruit trees, see review.oktane.net/House-Tour. \$450/wk. 344-5537.

**BROOKHAVEN HAMLET** - rm in 3 bdrm hse, looking for male, professional, non-smkr/drinker, 10 mins from BNL, \$600/mo. incl utils, leave a msg. Danny, 294-7505.

**CTR MORICHES** - 3bdrm hse, 2/bath, beach/boating rights, cac, new kitch, pvt gar/drwrw, wooded bckyd w/deck/shed, no pets/smkg. \$1,900/mo. Ext. 3116.

**MASTIC BEACH** - 4 bdrm ranch, nr fishing dock, 100x100 yd, newly renov, full bath, quiet, sec. \$1,500/mo. Daniel, Ext. 7658.

**MASTIC BEACH** - 4 bdrm ranch, close to high school, fen yd, newly renov, full b/ rm, full bsmt, pets ok. \$1,600/mo. Daniel, Ext. 7658 or aheadnd@bnl.gov.

**MIDDLE ISLAND** - ArtistLake Dr, 7 min to BNL, 1 big bdrm, upper flr, 900 sq ft, new appli decoration, no pets. \$1,100/mo neg. Mr. Luk, 516-225-3306 or art1668@yahoo.com.

**MIDDLE ISLAND** - co-op apt 1 lg bdrm, 2nd fl, cac, terrace, pool, tennis, laundry, corner unit, heat incl, avail 3/1 furnrd or unfurnd, 10 mins to Lab. \$1,050/mo neg. Mike, 398-5662.

**MIDDLE ISLAND** - Artist Lake Dr, 7 min dr to Lab, 1 lg, bdrm, up flr, 900 sq ft, new appli/decoration, no pets. \$1,100/mo. Lei, 516-225-3306.

**MILLER PLACE** - 1 flr lg bdrm, off st prkg, all incl WIFI/Dish TV pkgs, quiet neighborhd contact Guoli Sun, guoli.sun@yahoo.com. \$630/mo. 687-9160.

**PATCHOGUE** - 1 bdrm loft cottage, off street prkg, newly renov, close to bay, non-smkr, no pets, \$975/mo. Daniel, Ext. 7658 or aheadnd@bnl.gov.

**RIDGE** - 1 bdrm, l/r, kitchenette, full bath, sep ent/prkg, util incl, quiet neighborhd, mins to Lab. \$975/mo. Lynne, 924-0002.

**RIVERHEAD** - 3bdrm 1.5/ba Western Ranch, kit w/dw, l/r,d/r, w/d & gar, new windows & furnace, cul-de-sac, nr shops, no smkg/pets, refs & cc reqd, 1mo sec+util. \$2,250/mo. McGill, 512-6470.

**ROCKY POINT** - Unique bi-level, newly renov. home nr. beach, 2 bdrm/2 ba, lg l/r w/fp & waterview, granite kit, office, w/d, no smkg/pet, 1.5 mo sec. +util. \$1,900/mo. 744-1206.

**SHOREHAM** - 1 bdrm, furnrd, new garden apt, grnd flr, indep ent/drwrw/prkg, full bath, kit, l/r, cac, no smkg/pets, few mi to BNL, 1 mo sec, all util incl. \$1,150/mo. 566-8261.

**SOUTHAMPTON** - 2.5 bdrms, 2 full baths newly renov eik, all updated, hdwd flrs, new light fixtures, new appli, fresh paint, huge priv yd; ref a must. \$2,200/mo. Terrence, Ext. 8715, 786-6955.

**WADING RIVER** - spacious new 1 bdrm apt, kitch,bath, l/r, nice & quiet neighborhd, part furn, cable, int, utils incl, no smkg/pets. \$950/mo. 838-5879.

### For Sale

**WEEKI WACHEE, FL** - priv ranch on Gulf, 70m Orlando, 45m Tampa, fly Islip direct, near beach/tennis/park, SW architecture, 3/bdrm, 2/bath, d/r, f/p, 2gar, ipp in lanai, fruit trees, see review.oktane.net/House-Tour. \$125,000 neg. 344-5537.

**AQUEBOGUE** - 3 level 3,000 sq ft condo, 3.5 baths, cac, central vac, 2 car gar, hot tub, walk on priv beach, 3 zone heat, heated pool, tennis all appli, outside lower patio, upper deck, pond view. \$699,000. Carmine, Ext. 5101.

**RIDGE** - Colonial, 4 Br, 2.5 Ba, New Roof, Windows, Siding, Kitchen Cabs, Updated Ba, Crown Moldings, Wood Fl, Fp in Den, Beaut Grounds, Lg Bdms, 1 acre - Potential Horse Prop. \$374,990. Ray, 344-3541.

### In Appreciation

**BNL & DOE Friends**, Thank you for your kind words and well wishes. It has been a pleasure working with all of you. I will miss each and every one of you.

— Mary Durham



Roger Stoutenburgh D4650112

With Coach Robert Spira (left) are the Ward Melville High School students who placed first in the Regional Science Bowl at BNL: (from left) team captain Jack Zhou, Ariel Yang, Harrison Li, Eidan Jacob, and Daniil Lukin.

## Ward Melville High School Wins Science Bowl at BNL

Ward Melville High School placed first in the Regional Science Bowl at BNL, edging out Great Neck South High School, which placed second after a nail-biting finale. Farmingdale High School placed third and Half Hollow Hills High School West placed fourth. Twenty Long Island high schools participated in the January 28 competition, which was sponsored by Brookhaven Science Associates.

The competition followed a round-robin format in the morning, allowing the teams to compete in four divisions. In the afternoon, division winners faced off in a double-elimination series.

The Regional Science Bowl at BNL is part of the National Science Bowl® competition coordinated by the DOE Office of Science. Since its inception in 1991, more than 150,000 high school students have participated in the "Jeopardy"-style contest. Students participating in the competition are encouraged to excel in science and math and to pursue careers in those fields.

The High School Science Bowl is just one of the science-based competitions organized annually at BNL by the Office of Educational Programs headed by Kenneth White.

Said Catherine Osiecki, Educational Programs Administrator, who coordinated the eventl, "We always enjoy seeing how bright the students are and amazed at how much they know. There is a tremendous amount of preparation that goes on behind the scenes, but we couldn't do it without the wonderful support from our volunteers. They ensure that the competition runs smoothly and that everyone has a great day. By promoting the National Science Bowl®, DOE ensures that students who win intellectual contests get at least some of the credit that is so usual in sporting events — a win for science!"

Regional champions Ward Melville won \$500 and an invitation to participate in the National Science Bowl®, which will be held in Washington, DC, on April 26 – April 30. The second, third, and fourth-place teams won \$250, \$125 and \$100, respectively. All students received a Science Bowl T-shirt.

— Natalie Crnosija



Roger Stoutenburgh D3640411

Last year's swimmers, many of whom are shown above, "started" on the northern Mexican border in January and ended on March 31 in Belize. This year's virtual swimmers are looking for company! Join in!

## Join the 2012 Virtual Swim

For the sixth consecutive year, swimmers at the BNL pool join forces to complete a "virtual swim" to a faraway place. This year will continue the swim from last year's endpoint in Belize through the Panama Canal and up the west coast of Panama. The entire journey is 1,650 miles.

"We've made a good start," says BNL swimmer Peter Heotis. "We've about done 400 miles, but we'd like to include more swimmers. You don't need to swim fast or even regularly, each swimmer lets the lifeguard know how many laps they swam as they go along. We always have a party to celebrate attaining our goal, and the more attending the party, the better. So we really hope that more people will join our crazy group!"

The swim will run from January through March. Individual and group lengths are totaled periodically and converted to miles, which are tracked on a "Virtual Swim Map" posted at the pool. No minimum numbers of lengths need to be swum. Employees, families, retirees, and guests are welcome to join in and enjoy the pool on site — a great benefit of working at Brookhaven Lab. Sign up with the lifeguards.

— Liz Seubert