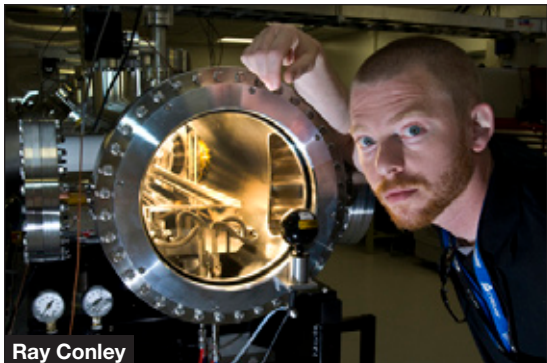




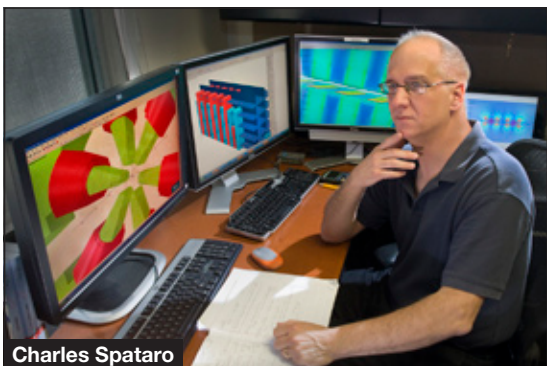
Nathalie Bouet



Ray Conley



Thomas Nehring



Charles Spataro

Roger Stoulenburgh D1020610

Roger Stoulenburgh D1120610

George B. Pegram Lectures, 9/14, 15 Science Editor-in-Chief Bruce Alberts to Give Two Lectures at BNL

Focus on science education and cellular molecular biology

Bruce Alberts, a prominent biochemist who is the Editor-in-Chief of the international weekly journal *Science*, will give two George B. Pegram Lectures at BNL. On Tuesday, September 14, at 4 p.m., Alberts will speak about "Science Education: From Kindergarten Through College," and on Wednesday, September 15, at 11 a.m., he will present "Biology Past and Biology Future: Where Have We Been and Where Are We Going?"

Inaugurated in 1959, the Pegram lectures bring distinguished scholars to the Lab to speak on topics of both scientific and general interest. Sponsored by Brookhaven Science Associates, the lectures are free and open to the public. Visitors to the Lab age 16 and over must bring a photo ID.

In the September 14 lecture on science education, Alberts will draw on his two decades of experience in working with elementary and secondary teachers in San Francisco, where he launched a program that pairs college students and faculty with teachers from more than



Bruce Alberts

80 percent of the city's schools. He has also worked to develop the first national science curriculum standards for K-12 education. Currently, he serves as one of three U.S. Science Envoys to the Muslim world for President Obama; his mission includes providing help with science education at all levels through partnerships with U.S. institutions.

In the September 15 talk, Alberts will discuss the dramatic...

See Pegram Lecture on p.2

BNL's 2010 Engineering Awards

Part Two...BNL's Engineering Awards for 2010 were presented at the annual Employee Recognition Award Ceremony held in Berkner Hall on Friday, June 18. The awards, consisting of a plaque and \$10,000 each, are given to recognize distinguished contributions to the engineering and computing objectives of the Laboratory over one or more years, and are the highest accolades given by BNL to its employees. This year's winners are: Nathalie Bouet, National Synchrotron Light Source II Project (NSLS-II); Ray Conley, NSLS-II; Thomas Daniels, Modernization Project Office; Larry Hoff, Collider Accelerator Department; Thomas Nehring, NSLS-II; Charles Spataro, NSLS-II; and Marie Van Buren, Business Systems Division.

Space constraints impelled the Bulletin to feature the winners' achievements in two parts. The contributions of Daniels, Hoff, and Van Buren were described in the Bulletin of August 20, 2010. The contributions of Bouet, Conley, Nehring, and Spataro are featured below.

Nathalie Bouet

Nathalie Bouet, a research associate in the National Synchrotron Light Source II Project (NSLS-II), is recognized for establishing a new engineering procedure to achieve a world-leading anisotropic etching depth on semiconductor multilayer structures using reactive ion-etching technique.

Previously, the state-of-the-art in multilayer reactive ion etching had not exceeded one micron in etch depth. With this exceptional achievement, Bouet reaches a depth of over six microns. In addition, no other method allowed tungsten silicide and silicon layers to be etched simultaneously.

Bouet was cited as relying on her own initiative to learn and utilize tools at the Center for Functional Nanomaterials, mastering complex systems and then working almost entirely independently in developing the necessary etch recipes and measuring her progress through high-resolution images. Her work will enable better resolution optics, and high quality etching will eventually lead to enhanced

optics performance. In addition to the main goal of achieving mechanically stress-free sectioning and enabling more exotic structures to be produced for one nanometer nanofocusing optics, her technique may also be directly applied towards production of patterned multilayer gratings for soft and hard x-ray applications, as well as having potential industrial implications.

— L.S.

Ray Conley

Ray Conley, Lead Optics Researcher in the National Synchrotron Light Source II Project (NSLS-II) is recognized for outstanding work in leading the engineering design and implementation of a novel high-precision multilayer deposition system for ~1 nanometer x-ray focusing optics development. This unique system is critical to realizing DOE's goal of x-ray imaging at ~1 nanometer spatial resolution at NSLS-II, as well as to producing beyond state-of-the-art narrow-bandpass multilayers, double-gradient multilayers, and optical coatings for a wide range of new beamlines at NSLS-II and other facilities.

A broad range of engineering expertise produced this system. An example is meeting the challenge of a high-precision in-vacuum linear motion stage that must maintain 10-micron accuracy through its entire travel range of 15 feet. Conley incorporated several innovations, including multiple-target growth, central zone compensation (leading to an application for a BNL provisional patent), in-situ stress measurement and reduction, and the capability for producing these optics with both a depth-gradient and lateral-gradient in the layer spacing. The complexity, performance specifications, and scientific importance of this deposition system is recognized as a remarkable engineering achievement, and reflective optics produced with this system will benefit synchrotron experiments Lab-wide.

— L.S.

Thomas Nehring

Thomas Nehring, a senior project engineer in the National Synchrotron Light Source II Project (NSLS-II), is recognized for his

outstanding and consistent contributions as an electrical engineer throughout the span of his career over 25 years at the Lab. He has played an important and ever increasing role in assuring that the electrical infrastructure supports the Lab's scientific mission and can be operated safely. The electrical infrastructure is key to the many "big machine" scientific facilities that are BNL's trademark, and Nehring has had an impact on nearly all of them.

The facilities or projects to which Nehring has directly contributed his engineering expertise include the Relativistic Heavy Ion Collider, Spallation Neutron Source, the 69kV to 13.8kV substation for the Alternating Gradient Synchrotron (AGS) Booster and AGS Main Magnet Power Supply and RF upgrades, the Central Steam Facility Expansion, the initial Central Chilled Water Facility, and additions and modifications to the NSLS-II. Currently, he serves as the Lead Electrical Engineer with oversight of all electrical infrastructure design and construction for the NSLS-II Project conventional facilities construction, once again moving to the forefront to assure sound electrical infrastructure for one of the Laboratory's most critical research facilities. Nehring is also a member of the electrical safety and electrical planning committees.

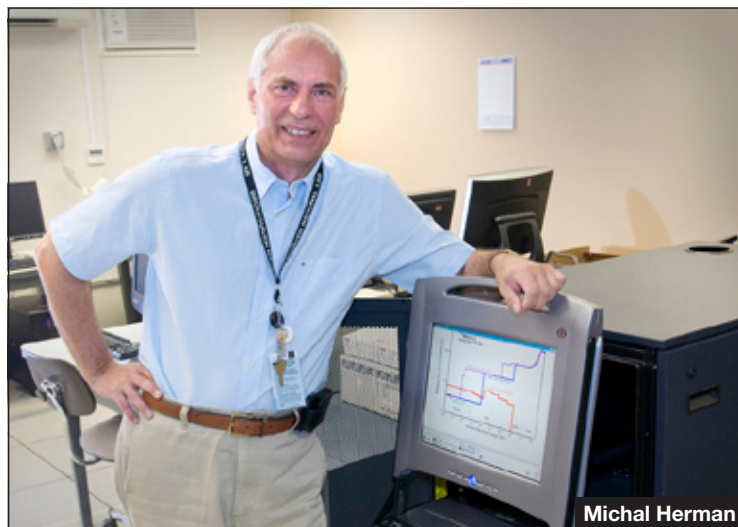
— L.S.

Charles Spataro

Charles Spataro, a research engineer II in the National Synchrotron Light Source II Project (NSLS-II), is recognized for his numerous original contributions to the design of the magnets for the storage ring, the transfer lines, and insertion device for NSLS-II.

Most notably, Spataro was instrumental in the development of an original pole shape for the NSLS-II sextupole magnets that has now been adopted by all the production magnet contractors, and for his exhaustive modeling studies. These studies established conclusively for the first time that mechanical tolerances on the order of +/- 10 microns of the sextupole magnets are essential...

See Charles Spataro on p.2



Michal Herman

Roger Stoulenburgh D54A0810

461st Brookhaven Lecture, 9/22 The Science and Art Of Nuclear Data

Just as chemistry has the periodic table of the elements, nuclear science has the National Nuclear Data Center — where 100 years of nuclear physics research from around the world is archived, evaluated, and disseminated. The National Nuclear Data Center was created nearly 60 years ago and has been housed and maintained at BRN since then. Used by researchers and industry alike, the contents of this extensive archive are powering advances in medicine, energy, security and other practical applications.

On Wednesday, September 22, join the Energy Sciences & Technology Department's Michal Herman, head of the National Nuclear Data Center, for the 461st Brookhaven Lec-

ture, titled "The Science and Art of Nuclear Data." All are invited to attend this free talk, which is open to the public and will be held in Berkner Hall at 4 p.m. Refreshments will be offered before and after the lecture. Visitors to the Lab ages 16 and older must carry a photo ID while on site.

During his talk, Herman will discuss how data are collected in the National Nuclear Data Center and made accessible for researchers around the world. He will also explain how the data are critical for designing and testing future medical procedures, nuclear reactors, and homeland security applications.

Herman earned a Ph.D. in nuclear physics in 1980 from Poland's Institute for Nuclear...

See Brookhaven Lecture on p.2

CALENDAR
OF LABORATORY EVENTS

- The BERA Store (Bldg 488): Ext. 3347
- Recreation Office (Bldg. 400A): Ext. 2873
- The Rec Hall (Bldg. 317) is located in the apartment area.
- Events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— 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 & Thursdays: Kickboxing
\$5 per class. Noon–1 p.m. in the gym. Pay as you go. 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.

Tues.: Hospitality Welcome Coffee
10:30 a.m. – noon. Rec Hall (Bldg. 317). Meet and socialize over coffee. Children welcome. Ext. 2873.

***Tuesdays: Zumba**
Noon –1 p.m., in the gym (Bldg. 461). Classes resume on September 14. Registration required, Ext. 2873. See p.3.

Tuesdays: Knitting Class
2–4 p.m. Rec Hall (Bldg. 317). Learn to knit/crochet — all skill levels welcome. Free. Ext. 2873.

Tuesdays: Toastmasters
Two monthly meetings: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Rm 160. Guests and visitors welcome. <http://www.bnl.gov/bera/activities/toastmasters/>.

Tuesdays & Thursdays: Aerobic Fitness
5:15–6:30 p.m. in the Rec. Hall (Bldg. 317). \$5 per class, or 10 classes for \$40. Pat Flood, Ext. 7886 or flood@bnl.gov.

Tue., Wed., & Thurs.: Rec Hall Activities
5:30–9:30 p.m. in Bldg. 317. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

***Tuesday & Thursday: Aqua Aerobics**
5:30–6:30 p.m., Pool (Bldg. 478). Classes resume on September 7. Registration required, Ext. 2873. See p.3.

Wednesdays: Ballroom Dance
Dance Lessons started 9/1 in N. Ballroom, Brookhaven Center.

***Wednesdays: Pilates**
5:30–6:30 p.m. at the Rec Hall (Bldg. 317). Classes start on September 15. Registration required, Ext. 2873. See p.3.

Wednesdays: Play Group
10 a.m.–noon. Meet 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.

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. Tim Devine, Ext. 2350.

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.

Fridays: Family Swim Night
5–8 p.m. Pool (Bldg. 478). \$5/family. Ext. 2873.

Fridays: Family Gym Night
5–8 p.m. Family gym activities. Free. Ext. 2873.

Brookhaven Lecture from p. 1

...Studies, and he continued there until 1984. He then worked for a year as a researcher for the Institute of Theoretical Physics at Erlangen University in Germany. From 1985 until 1996, Herman consulted for the National Institute for Energy and Environment in Bologna, Italy. During those years, he also taught at the University of Messina and continued his research at the National Institute of Nuclear Research in Italy, and Los Alamos National Laboratory. He worked as a physicist for the International Atomic Energy Agency in Vienna, Austria, from 1997 until 2003 and joined Brookhaven Lab's Energy Sciences & Technology as a physicist in 2003. In 2009, Herman was named head of the National Nuclear Data Center. — Joe Gettler

Pegram Lecture from p. 1

...ways in which scientists' views of the chemistry of life have changed over the last 40 years. Looking toward the future, he will suggest that maintaining rewards for risk-taking in research will be critical for generating new breakthroughs needed for understanding the cell and for biomedicine.

Alberts, who is a co-author of a preeminent textbook, *The Molecular Biology of the Cell*, originally published in 1980, will discuss his work on the fifth edition, which contains a few surprises. In particular, he will explain how cells are more complicated than originally thought. For example, recent research indicates that cells have positive and negative feedback loops that underlie all of cell chemistry, a highly organized system similar to wiring diagrams for computers. These complex feedback mechanisms regulate nervous and hormonal responses.

Alberts will also explain how extensive scaffold networks produce biochemical sub-compartments without requiring a membrane. Each of these conglomerates of molecules has a specific function and is localized within one particular area of the cell.

Bruce Alberts earned a Ph.D. in biophysics from Harvard University in 1965, and did postdoctoral research at the *Institute de Biologie Moleculaire*, Geneva, Switzerland, before he started his career on the faculty of Princeton University in 1966. He joined the University of California (UC), San Francisco, in 1976 as Professor and Vice Chairman, Department of Biochemistry, and, in 1990, he became the American Cancer Society Lifetime Research Professor, Department of Biochemistry and Biophysics. In 1993, he left UC San Francisco to become President of the National Academy of Sciences in Washington, D.C., holding that position until 2005. He then returned to UC San Francisco, where he is currently Professor Emeritus. In 2007 and 2008, he was President of the American Society for Cell Biology, and, in 2008, he became Editor-in-Chief of *Science*. He has been a U.S. Science Envoy since 2009.

Since 2000, Alberts has served as the co-chair of the InterAcademy Council, an organization in Amsterdam governed by the presidents of 15 national academies of sciences, which was established to provide scientific advice to the world. Alberts has earned numerous honors and awards for his work, including 16 honorary degrees. He currently serves on the advisory boards of more than 25 non-profit institutions, including Lawrence Berkeley National Laboratory. — Diane Greenberg

Charles Spataro from p. 1

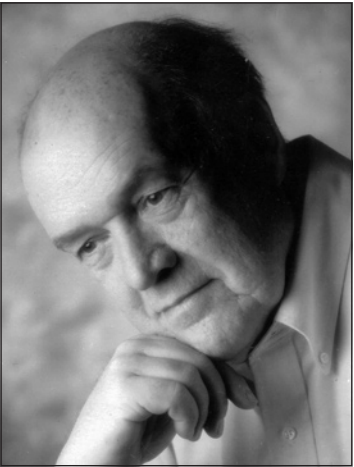
...to achieve and maintain NSLS-II field quality requirements. In addition, along with magnet design for NSLS-II, Spataro made profound contributions in the study of magnetic interactions between adjacent magnets, to insertion device design, to magnetic measurements and many other applications. He is also recognized for overseeing the NSLS-II survey efforts and contributing to the magnet girder alignment and integration activities. All of this work is essential for NSLS-II to achieve world-leading operational performance and assure that the accelerator will remain state-of-the-art for many years after start-up. — Liz Seubert

In Memoriam: William Love

William Love, whose career at BNL spanned 50 years, died on March 27, 2010, after a battle with melanoma. He made important contributions to the way physicists collect data from accelerator experiments, and he was the first to develop an on-line computer system to do so.

Born in Pittsburgh, Pennsylvania, on August 4, 1932, Love earned a Ph.D. in physics from the Carnegie Institute of Technology (now Carnegie Mellon University) in 1958. After serving as a National Science Foundation Fellow at CERN, the European Organization for Nuclear Research, from 1959 to 1960, he joined the Lab on December 2, 1960 as an assistant physicist in the Physics Department. He was promoted to physicist in 1966, and early in his career he became a fellow of the American Physical Society. He retired on October 22, 1999, and was appointed as a guest physicist a day later. His guest appointment continued until his death.

BNL Senior Advisor and NSLS-II Senior Project Advisor Satoshi Ozaki recalled, "Bill Love carried out frontier research with important results using the most advanced accelerator facilities at Brookhaven, such as the Alternating Gradient Synchrotron (AGS) and the Relativistic Heavy Ion Collider (RHIC). In fact, he was a key player in revolutionizing the way we acquire and analyze complex data from experiments. As the sole developer of a program on the Merlin computer at the Lab, Bill made it possible to implement on-line data analysis technology as early as 1963, acquiring data from an experiment,



analyzing them, and feeding the results back to the researcher in real-time. Today, this pioneering work has led to such modern conveniences as online banking."

Erich Willen, a retired BNL physicist, said, "This first use of an on-line computer tied directly to the experimental apparatus was a great success. Today, it is the only way experiments in particle physics are done."

On a personal note, Willen recalled, "As experiments at the AGS grew in complexity, physicists depended more and more on the on-line analysis of detector performance provided by a computer. Bill was superb as the guru in discussing data-analysis problems — focused and responsive, calm and seldom wrong, always with a level-headed perspective, and an ironic wit that made the work fun."

As an outgrowth of the on-line computer experiments, the Physics Department established an "On-line Computer Facility," used by both universities and BNL groups.

Back for Seconds: Nuclear Nonproliferation Summer Program Draws Eager Students

Most college students completed their last coursework months ago. But for the 23 participants in this year's Nuclear Nonproliferation, Safeguards, and Security (NNSS) course at Brookhaven, classes didn't end until July 2.

The Office of Nuclear Safeguards and Security in DOE's National Nuclear Security Administration (NNSA) sponsored the NNSS course. As part of the Next Generation Safeguards Initiative (NGSI), its goal is to encourage students to pursue careers in nuclear safeguards and nonproliferation. Les Fishbone and Michael Rosenthal of BNL's Nonproliferation & National Security Department implemented the course with the help of the Office of Educational Programs, offering it for the first time last year.

The three-week program taught students both the technical and policy aspects of nuclear nonproliferation and safeguards. They attended six hours of classes a day, under the guidance of Rosenthal, a nonproliferation expert, and Fishbone, a safeguards authority. Additional presenters included employees of Brookhaven and other national laboratories, members of the NNSA and the State Department, representatives from non-governmental organizations, and several private consultants with relevant experience.

The combination of teachers, along with demonstrations and exercises at several Brookhaven facilities, was very effective.

"It was wonderful," said student Shivpal Vansadia, from



Roger Stoutenburgh D9626110

The Nuclear Nonproliferation, Safeguards, and Security course participants

Seton Hall University's John C. Whitehead School of Diplomacy and International Relations. "The professors were great."

Not only did the students enjoy working with their teachers, but the feeling was mutual.

"It was very rewarding interacting with such enthusiastic students," said Fishbone. "It's great to see their interest."

Students were pleased to learn about all aspects of the field.

"I'm a policy person," explained Leah Smith, an American University student, "so it was really great to see the technical aspects."

Georgia Institute of Technology student Shaheen Dewji, a self-described "tech person," said, "Most of my work is interdisciplinary, so for me this is one of the most effective programs I've been to. It's gotten everyone here very excited about safeguards and nuclear nonproliferation."

Their NNSS experience helped the students prepare for entering the workforce, achieving one of the goals of NGSI.

"For someone with career aspirations in nuclear nonpro-

In the 1970s, Love was part of a group that developed the Multiparticle Spectrometer (MPS) in the AGS, a 700-ton large acceptance particle detector, outfitted with high-speed electronic detector systems that enabled scientists to observe interactions of 100,000 particles a second delivered to a target, allowing them to detect rarely occurring events. In the early 1980s, the MPS was upgraded to MPS II, which was ten times more powerful than its predecessor.

Starting in the early 1990s, when plans for RHIC were under way, Love made important contributions to software development for the STAR collaboration. Later, after his retirement, he worked closely with physicist Ronald Longacre on RHIC data analysis.

Longacre said, "Bill and I were physics buddies, and we both loved data and loved determining what was physics and what were detector effects. We always double-checked each other, but Bill's skills with programming were better than mine, and I now work without a right hand."

Love was an active member of the BERA Theatre Group, and was cast in leading roles in plays such as "The Odd Couple" and "Last of the Red Hot Lovers" in the 1970s. He also was a member of the BERA Board in 1977.

Survivors include his widow, Jane Love of Bellport; and two sons, Thomas of Shaker Heights, Ohio; Daniel of East Patchogue, NY, who works in BNL's Information Technology Division; and three grandchildren: Kevin, Brian and Vivienne.

— Diane Greenberg

liferation, this was a goldmine," said Vansadia. "I'm now more confident about these issues. Also, we covered a broad background, which made me feel well-rounded."

Travis Hobbs, from John Hopkins University's School of Advanced International Studies, added, "I got experience I couldn't have gotten anywhere else, and I'm really grateful for that."

The students found out about Brookhaven's program from a variety of sources. Barclay Ward, one of the class lecturers, helped recruit some participants, while others learned about NNSS through their professors. However, some of the most avid recommendations came from last year's alumni.

"A friend of mine took this course last year and endorsed it with a glowing recommendation," Dewji said.

With their enthusiasm for the program, it appears that this year's NNSS graduates will continue the word-of-mouth recruitment, ensuring that next summer's course will match this one's success.

— Sophie Bushwick

Going the Extra Mile for GEM

Two GEM interns honored at competition, and BNL’s Terrence Buck named 2010 GEM Employer Representative of the Year

This summer, the Lab hosted a record number of GEM interns: eleven students worked with mentors at NSLS-II, one was assigned to the Center for Functional Nanomaterials, and one was in the Collider-Accelerator Department.

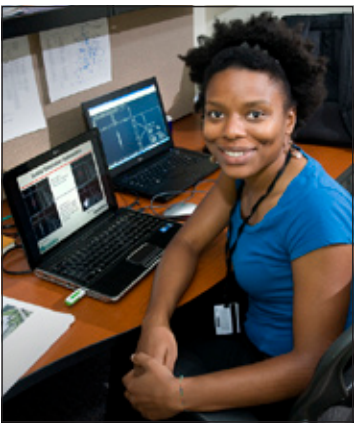
GEM stands for National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc. Founded in 1976, GEM has graduated nearly 3,000 researchers, professors, entrepreneurs, inventors, and business leaders, including nearly 200 men and women with doctorates in the physical sciences, life sciences, and engineering.

Terrence Buck, principal human resources representative with the NSLS-II Project, has the lead on the Lab’s GEM program, administered through Human Resources and the Diversity Office.

The internship program here has always been solid, but this summer, Buck wanted to “go the extra mile,” as he put it. He did an initial telephone interview with each one of the incoming students to make sure they were familiar with their mentors and the research they would be doing for the summer. “I wanted them to be comfortable about our program,” he said.

On day one here, Buck also scheduled a “meet and greet” at the Center for the students and their mentors. He then organized other after-hour activities, spread through the eleven weeks of the program. “They had a nice social calendar, which helped them bond,” he noted.

As the summer went by, Buck could tell that the students were having a full experience at



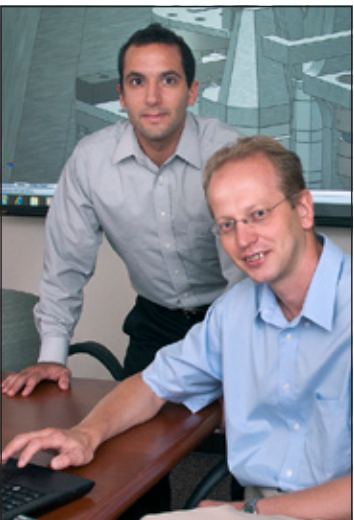
Niaja Farve, third-place winner in the GEM competition, was mentored by Juergen Thieme and Vincent DeAndrade, both of NSLS-II.

Brookhaven. Independent confirmation, however, came in the last week, when he took two students to the 2010 GEM Annual Conference and Board Meeting, held this year on August 10-11 in Virginia.

In the GEM Fellow Technical Presentation Competition, Rafael Lozano won the top honor and Niaja Farve came in third. Lozano was mentored this summer by Evgueni Nazaretski and Farve by Juergen Thieme and Vincent DeAndrade. All three mentors work at NSLS-II.

The student competition showcased the technical and research assignments of summer interns. Each competitor gave a 15-minute presentation and then answered questions from a panel of judges representing the National Science Foundation, GEM employers and GEM university members.

Buck, who witnessed the competition among a field of about 25 GEM students from across the country, said that the judges were amazed at how much work the Brookhaven GEM interns



Rafael Lozano, left, first-place winner in the GEM Fellow Technical Presentation Competition, and his mentor Evgueni Nazaretski from NSLS-II.

were able to accomplish in their time at the Lab. The students and mentors certainly worked hard over the summer, he said, but he also credits the early contact and the close relationships built over social activities that helped keep everyone so productive.

In recognition of his own contributions, Buck was named the 2010 GEM Employer Representative of the Year at the conference.

A year ago, Buck took the initiative to invite GEM Executive Director Michele Lezama to the Lab to hear presentations by GEM students. “She was so impressed by what she saw that she used us as a benchmark for the national competition at the GEM annual meeting,” said Buck.

For information about GEM, go to the Diversity Office’s web-page: <http://www.bnl.gov/diversity/programs.asp#GEM>.

— Mona S. Rowe

Volunteer to Teach English Or Other Languages

The English for Speakers of Other Languages (ESOL) Program is seeking volunteers to teach English or other languages. BNL staff and family members enjoy learning English with the friendly ESOL Program. Classes for all levels are conveniently located on site during the morning and afternoon. Also, lots of BNL employees have enjoyed learning languages such as Spanish, Russian, and French through this program. Recently, long-term foreign language tutors have had to retire for various reasons.

If you would like to volunteer to enrich and educate through teaching English, or another language, at BNL, please contact Jennifer Pieniazek at jpieniazek@bnl.gov or call Ext. 4894. For more information, go to www.bnl.gov/esol.

Arrivals & Departures

— Arrivals —

Oleksiy Bazavov Physics
Pankaj ChaudharyBiology
Jeffrey DuffNSLS-II
Yuenian Huang..... C-AD
Yingchuan Li Physics
Jinfeng Liao Physics

— Departures —

Jennifer Kile Physics
Caleb Mattoon..... ES&T
Chuan Miao Physics
Lois MollerWaste Management
Bette Morgan..... GARS
Todd Satogata..... C-AD
Alexandre SitnikovNSLS-II
Yolanda Small..... CFN
Gerard Van Derlaske.....NSLS-II

Service Anniversaries

The following employees celebrated a service anniversary during June 2010.

— 40 years —

Frank Dusek..... C-AD
Howard Gordon Physics

— 35 years —

Brian Briscoe C-AD
Susan Rackett-Rossetti...Lab Prot.
Ralph Giordano, Jr...Site Services

— 30 years —

Richard Backofen...Product. Serv.
Joseph Curley..... C-AD
Peter DaumEENS
Edward Gallagher.....Bus. Sys.
Payton King Medical
Francis Loeb CMP/MS
Denise Miesell-Bingham...Fac. Ops
Bruce Penn Budget
David Schlyer..... Medical
Dieter Schneider.....Biology
Daniel Sheppard Maint/Fab
Joseph Tuozzolo..... C-AD
Wu-Tsung Weng NPP

— 25 years —

James Durnan S&HSvcs.
Edward Grove..... Int. Audit.
David Lissauer Physics
Denise MonteleoneBiology
Catherine Osiecki CEGPA
John White, Jr. C-AD

— 20 years —

John Berry Maint/Fab
Robert LakeEENS
Leonard Santangelo NSLS
Roger Thompson.....Rad Contr.
Frank Trapani En/Utils
Nancye Wright NSLS

— 10 years —

Nicholas D’Imperio Comp. Sci.
Frank Donato C-AD
John Galvin CEGPA
Ping HeMagnet
Jennifer Higbie.....Env. Prot.
Robert Kavander Maint/Fab
Cynthia Scott Site Svcs.
Brett Viren Physics
Michelle Wilinski C-AD

CALENDAR

— WEEK OF 9/6 —

Monday, 9/6

Labor Day Holiday, Lab Closed
No Bulletin this week.

— WEEK OF 9/13 —

Tuesday, 9/14

*Pegram Lecture

4 p.m. Berkner Hall, Room B. Bruce Alberts, Editor-in-Chief of *Science* Magazine, will talk on “Science Education: From Kindergarten through College.” All are welcome to this free talk, sponsored by BSA. Visitors to the Lab of 16 and older must carry a photo ID. See p.1.

Wednesday, 9/15

Pegram Lecture

11 a.m. Berkner Hall. Bruce Alberts of *Science* will talk on “Biology Past and Biology Future: Where Have We Been and Where Are We Going.” All are welcome to this free talk, sponsored by BSA. Visitors to the Lab of 16 and older must carry a photo ID.

— WEEK OF 9/20 —

Tuesday, 9/21

*BNL Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. Your gift of blood is greatly needed. See below.

Wednesday, 9/22

*461st Brookhaven Lecture

4 p.m. Berkner Hall. Michal Herman of the Energy Sciences & Technology Department will talk on “The Science and Art of Nuclear Data.” All are welcome to this free talk, open to the public. Visitors to the Lab of 16 and older must carry a photo ID. See p.1.

— WEEK OF 9/27 —

Monday, 9/27

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.

Donations Needed

For AdoptaPlatoon

Book & Bake Sale, 9/30

Donations are needed for AdoptaPlatoon’s second annual Book and Bake Sale on Thursday, September 30. To donate books, CDs, or DVDs, please bring them to Denise Rodgers or Janet Sikora at the Clinic (Bldg. 490). Cookies, cupcakes, and sliced breads, individually wrapped in cellophane, are also needed, but please call Ext. 3670 before donating.

BERA Craft Club

The BERA Craft Club will meet at in Bldg. 400 Conference Room 2 at noon on Tuesday September 14th. For more information, contact Ruth Comas, Ext. 3545.

Give Life: Give Blood

BNL Blood Drive, 9/21

The next BNL Blood Drive will be held from 9:30 a.m.-3 p.m. in the Brookhaven Center on Tuesday, September 21. If you can donate, please do, and try and bring a friend who may not have given blood before.

Donors must be 17 to 75 years of age, in good health and weigh over 110 lbs, and in addition, have a photo ID and know their social security number. Restrictions may apply to some from the UK and Europe.

To make an appointment, log on to the Human Resources web-page, click on “Blood Drive,” then “Schedule an Appointment.” Or, call Liz Gilbert, Ext. 2315.

Dr. Mow Shiah Lin Scholarship

6th Annual Award Ceremony & Reception, 9/20

The BERA Asian Pacific American Association (APAA) invites all to attend the Award Ceremony for the 6th annual Dr. Mow Shiah Lin Scholarship. The award of \$1,000 will be presented to Ping Cao, a graduate student at the Stony Brook University (SBU) Department of Chemistry who is studying for a Ph.D. in biochemistry with a focus on molecular medicine using a process known as amyloid formation.

The APAA established the Dr. Mow Shiah Lin Scholarship to commemorate the life and career of Mow Lin, who was a distinguished scientist at the Energy Sciences and Technology Department. In honor of Lin’s research, remarkable achievements, and inventions, this scholarship will be granted annually to an Asian immigrant with a student visa matriculating toward a doctoral degree at an accredited institution of higher education in environmental and energy technology, biology, or chemistry, in remembrance of the manner in which Lin began his career.

Cao will be introduced by her advisor, Daniel Raleigh of Stony Brook University, before she gives a brief overview of her current research.

The ceremony will be held on Monday, September 20, at 4 p.m., in the Hamilton Seminar Room of the Chemistry Department, Bldg. 555. Refreshments will follow the presentation. For more information, contact Susan Eng Wong, Ext. 7988.

New BERA Fitness Class Schedules

BERA’s fitness classes make staying in shape easy during the fall, winter, and spring. Make checks payable to BERA and send to the Recreation Office (Bldg. 400A).

- **Aqua Aerobics:** Eight-week session, Tuesdays and Thursdays from 5:30 to 6:30 p.m. at the pool (Bldg. 478). Classes start September 7 and run until October 28. \$25/1x per week, \$50/2x per week. Sign up for a 16-week session through January 20, \$45/1x per week, \$90/2x per week.
- **Pilates:** Eight-week session, Wednesdays 5:30–6:30 p.m. at the Rec Hall (Bldg. 317). Classes run from September 15 until November 3. \$70.
- **Zumba:** Eight-week session, Tuesdays from noon until 1 p.m. at the gym (Bldg. 461). Classes begin on September 14 and run until November 2. \$80.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, 9/8; Thursday, 9/9; Wednesday, 9/15; Thursday, 9/16; Tuesday, 9/21; and Tuesday, 9/28. For an appointment, call 1-800-732-8353 or go online at <http://www.tiaa-cref.org/bnl> and select “set up a meeting.”

Walk to Fund Diabetes Research

In recognition of Disabilities Month, the BNL Americans with Disabilities Act Committee will sponsor the “Step Out Walk for Diabetes” led by the American Diabetes Association. This walk is scheduled for Sunday, October 24, at SUNY Old Westbury College. If you are interested in participating in this walk, contact Margaret-Ann Douglas, Ext. 2078, mdouglas@bnl.gov; or Mike Paquette, Ext. 5891, mpaquette@bnl.gov.

School Supply Drive

Please donate new school supplies for children who otherwise will lack the proper equipment when school opens. Everything is needed, from pencils, pens, notebooks, folders, to calculators, lunchboxes, and backpacks. Drop off your donations in the bins in Bldg. 400 lobby or at the BERA Store. Cash donations accepted also. For information, call Ext. 5090.

Classified Advertisements

Access many more current job openings on the World Wide Web at www.bnl.gov/HR/jobs/ and see also <http://www.bnl.gov/HR/careers/>

To apply for a position, go to www.bnl.gov. Select "Job Opportunities," then "Search Job List."

LABORATORY RECRUITMENT - Opportunities for laboratory employees only.

ADMINISTRATIVE SERVICES ASSISTANT (A-2, reposting) - Requires some form of secretarial or office administrative training, plus four years of experience in substantive and relevant administrative, secretarial, clerical, or other responsible work that provides evidence of the particular knowledge, skills, and abilities necessary to perform the duties of the position successfully. Must be skilled in the use of MS office products, including Word, Excel, PowerPoint, Outlook, Access, and web-based tools. Must possess a working knowledge of Laboratory policies, practices, and procedures including full knowledge of the Peoplesoft travel system and experience with arranging all aspects of both domestic and foreign travel, and knowledge of the Guest Information System. Must exercise initiative, good judgment, be a team player, and able to work independently and under pressure to handle routine and non-routine office matters. Responsibilities will include but not be limited to the effective administration, operation, and management of support groups within C-AD, including the coordination and direction of all administrative office practices, policies, and procedures. Will arrange and process domestic and foreign travel, develop and maintain web sites, develop reports using spreadsheet databases or file management software programs, maintain confidential administrative records and reports, along with group files and publications, and manage office supplies. Responsibilities will also include interacting with contacts both inside and outside of BNL to coordinate and plan conferences and meetings both on site and off site in addition to arranging appointments, visitor paperwork, preparation of reports and presentations, handling multiple assignments, and planning and coordinating priorities. Collider-Accelerator Department. Apply to Job ID # 15475.

MATERIAL HANDLERS (LG-3) - Performs a variety of laboring and manual tasks in stores operations such as moving, loading, unloading, sorting and storing of materials. May operate motorized equipment pertinent to stores operations. Keeps stores facilities in neat condition. Procurement & Property Management Division. Submit Transfer Form to Diana Hubert in Human Resources, referring to Job ID # 15489.

Motor Vehicles

06 KAWASAKI VULCAN 900 LT - 5.3K mi. excel. cond. black/red body, always garaged, pics on request. \$4,000. 286-6492.

05 CHEVY COLORADO - 83K mi. pick up truck - clean, great cond, 35 mpg highway, email pic available. \$6,500. 869-5618.

05 SUZUKI 250 - 13.5 mi. Great starter bike. Harley look alike. \$3,500. Jim, Ext. 7912.

04 TOYOTA MATRIX - 96.5K mi. 4dr hatch, 4cyl, AWD, a/t, p/w, p/d. Alarm, p/sun-ri, new tires, excel. \$8,500 neg. Ext. 2159.

01 CHEVROLET SUBURBAN - 126K mi. loaded, all pwr, v/gd cond, 3rd st, new tires, rec tuneup, tow pkg, \$7,500 neg. 413-8145.

00 HONDA ACCORD EX-L - 145K mi. 2dr Coupe, V6, lthr seats, s/roof, a/c, c/c, all pwr, stereo, alarm, rem start, \$5,100. 681-8840.

98 CHEVY VENTURE MINI-VAN - 150K mi. needs some work. \$995. 312-6909.

90 CHEVROLET ASTRO VAN - 153K mi. a/c, a/t, 4 new tires, new fuel pmp & brk lines frt & rr, \$1,650 neg. George, Ext. 5782.

TRUCK BED MAT - heavy duty. Fits short-bed Dodge pick-up. Gd protection. Was \$75 new. Askg \$40. Joe, 516-768-4331.

LUND BILLET GRILLE - exact fit for 02/03/04 Altimas, \$25, gd cond. David, Ext. 5201.

OEM MAZDA 3 ACCESSORIES - all weather mats, pr fronts blkck \$15, like new; mazda3 logo reflective sunscrn \$10. 344-3762.

TIRE & RIM - 245/70/17 tire and steel rim full size from Dodge truck. Tire has 50 mi, just nubs worn off. Ask \$15. Joe, Ext. 3906.

Furnishings & Appliances

BED - dble, frame & headbrd, u pick up in Queens, \$50. Ext. 2347, greenb@bnl.gov.

COMPUTER DESK - sm, modern look, maple color, pic avail, \$35. 475-1297.

COMPUTER DESK - \$75, built-in CD racks; shelves, glass shelf, pullout keybd tray-36"h x 47 1/2" w x 23 5/8" d, Ext. 2826.

CONSOLE CABINET & MIRROR - Matching, in cream color, excel, \$150/both, pics avail. Donna, Ext. 2826 or donna@bnl.gov.

COUCH & CHAIR - rattan set w/brown fabric cushions from Pier 1. 2 yrs. old - perf cond. pics avail. \$495. Toni, Ext. 5257.

DESK - v/sturdy, on gray melamine, 45" w x 30" d w/2 drawers on left side, like new, \$60. Gerri, 821-2507 or gacks51@hotmail.com.

DINING TABLE, CHAIRS - Solid white wash wood table w/leaf ext. (5.5'x3.5') w/6 chrs. Gd cond, \$800 neg. 821-1013.

DRESSER - 6 drawers, all wood, gd quality, light wood color, pic avail. Pamela, Ext. 5218 or ciufo@bnl.gov.

DRESSER/CRIB - 4drawer dresser \$10, Stroller \$15, Crib w/mattress \$25, wooden rocking horse \$10, all excel. 344-4290.

ELECTRIC STOVE - \$250/white/self-cleaning; chrome clothes rack \$20, filing unit/\$20; Nina, Ext. 5894, 475-1297.

FRIDGE - white side by side, 8 mos old, excel cond, ask/\$300/obo. Wendy, Ext. 3924.

GLIDER ROCKER - maple chair, \$215; 516-740-8418 or lcade@uspsports.com.

INFANT BEDROOM SET - solid light maple, crib, changing table, tall dresser, excel cond, pd/\$2000, sell/\$550. 433-3104.

RECLINER - green upholstery, excel cond, photo avail, u-pic-up in Queens, \$50. Diane, Ext. 2347 or greenb@bnl.gov.

SHOWER TRANSFER BENCH - One set of legs for outside tub to assist w/ slide in. Gd cond, \$10. Kathleen, Ext. 7114.

TWO PINK CHANDELIERS - new, perfect for girls rm, never taken out of box, \$50/ea. Ext. 3008 or ddaniels@bnl.gov.

VANITY BASE - 37" light oak, w/2 drawers & 1 double dr. light oak vanity/ med.cabinet w/mirr. both/\$45. Judy, Ext. 5263.

Audio, Video & Computers

COMPUTER ITEMS - HP Lsrjet 1100/\$20, Sonic WII TZ150/\$20, Cisco Sysys WIC 1ADSL/\$20, Belkin AC Anywhere \$10. 821-1271.

GUITAR-TAYLOR 355CE - 12 string, nr mint, acoustic-elec wood jumbo w/Fishman pre-amp, cutaway, orig case. \$1350. Ext. 4850.

XBOX 360 (WHITE/60G) - Slightly used in orig box. Incl 2 controllers, 5 games. Asking \$250. Anya, 347-581-3731.

YAMAHA KEYBOARD/KARAOKE STA - PSR-K1 61 Keys Entertainmt Sta.w/Smart-Media™, MIC, more, \$250. 379-0742.

YAMAHA UPRIGHT PIANO - oak, excel cond, \$1700. Lorraine, 689-7326.

Sports, Hobbies & Pets

1/2 SIZE VIOLIN - brand new, great for beginner, \$50. Pamela, Ext. 5218.

B. CROCKER RECIPE KEEPER - blank pgs, dividers w/pocket folder, magnetic notepad, 3 kit magnets/\$8. moloughlin@bnl.gov.

BIKE RIKE - Rhode Gear, fits cars/vans, excel, cost/\$90, ask/\$30; Wilson golf cart/\$20; tricycle type/\$30, gd cond. 281-2767.

GO KART - used Yerf-Dog kart, 6hp Tecumseh eng in running cond, all works, needs tune up, 350/neg. mvescovi@bnl.gov.

KITTENS 4 ADOPTION - Male Tuxedo, 2 calico & 2 tabby. Older cats too. Please call to arrange to meet these sweet babies. Donna, 398-8024.

MOTORCYCLE JACKET - Joe Rocket, Ballistic Series, Meteor 4 jacket w/liner, size sm, like new, \$200/new, \$40. Ext. 3750.

PET TEK DREAMCRATE - lg dog crate w/2 drs/divider insert, collapsibl, sturdy.42x28x31, up to 95lbs, \$40. czimmer@bnl.gov.

POOL TABLE - gd cond, felt intact, can remove legs, pick up from Wading River, balls/ cue sticks incl, \$100/all. Lois, 375-7264.

STEEL PLATE WEIGHT SET - incl 4x10#, 6x5#, 6x2.5# plates, 2 dmbbells, 1 squat bar, 6 spring clips, \$85, more. Ext. 2899.

Tools, House & Garden

FICUS TREE - vigorous, 7ft healthy plant recently repotted, must see, stop by Bldg 477, b/o over \$24.99. Pat, Ext. 3766.

LAWN MOWER- - electric, gd cond, u pick up in Queens, \$40. Ext. 2347.

Free

BATH FIXTURES - 36" White Vanity; 48" Onyx sink/counter top; Koehler toilet. Ron, Ext. 7588.

CLOTHES HANGERS - 5-6 dozen sturdy plastic clothes hangers, blue, white, brown, purple and clear. Judy, Ext. 5263.

EXERCISE EQUIPMENT - NordicSport (X-country ski) machine; Cardio machine, both gd cond, u-pic-up, Wading River. 375-7264.

QST MAGAZINE - approx '89 to present, v/gd cond, free. Ext. 2492.

Miscellaneous

BOOKS - Complete Idiots Guide to Organizing Your Life, Complete Idiots Gde to Meditatin, new, \$5 ea. moloughlin@bnl.gov.

BOOTS - size 7, never worn, Trendy look, leather, ask/\$20, pic avail. 475-1297.

CANNING ITEMS - ball jars/lids/21pt/ 11qt/\$10; crock, 12" dia, 14" h/\$15; pots 2/\$10; 9"x26" cabbage schredder/\$10. 281-2767.

DISNEY PRINCESS ITEMS - 3 canvas pics ask/\$50, lamp ask/\$25, Bed Canopy ask/\$10, all excel cond. Wendy, Ext. 3924.

FIREWOOD - Cured Firewood. 150\$ per cord. U-Pick up. Jamie, 512-6780.

MIRROR - lg, 63"h x 43" w, wood frame, excel for exercise rm, gd cond, ask/\$25. Lois, 375-7264 or llobob12@optonline.net.

MISCELLANEOUS - Colonial bunk beds/\$25; 3/tier bin organizer/\$5; free fish tank & stand. 889-5303.

ROCKER - infant-to-toddler, \$30; baby changing table/\$20; 0-7 yrs girls' clothing/\$2/ea; toy helicopter/\$5. 475-1297.

SHOES - 2 pr ladies' peep-toe shoes, 1 red, 1 white, patent vinyl, size 9W, never worn, \$15 for both. Kathleen, Ext. 7114.

SPRINT BLACKBERRY CURVE - slightly used, Incl headset, mem card, charger/AC adapter, holster. Ask \$200. 347-581-3731.

TIMESHARE FOR RENT - 2 bdrm, Orange Lake Country Club, Kissimmee, FL, Oct 23-30, incl Guest Certificate. \$750. 828-6671.

US OPEN TICKETS - two US Open tickets, Sep.7 from BERA, incl transportation & admission. \$60ea. Jonah, Ext. 3044.

Yard & Garage Sales

YAPHANK - 448 Rte 101, bikes, games, jewelry, shells, vintage signs, furn, household, more. 9/11 & 12. Bobbi, Ext. 2332.

Car Pool

WESTBURY & PLAINVIEW - Established 3-Person car pool looking for 4th Person, 8-4:30. Ron, Ext. 6068. Ron, Ext. 6068.

Community Involvement

BROOKHAVEN COUNTRY FAIR - Pierogi, kielbasa, more at St. John the Theologian Orthodox Church's booth at family fair at Longwood Estate, 9/11-9/12, 11-5pm. fun for all. Barbara, Ext. 4960 or blade@bnl.gov.

Wanted

2 OR 3 BR HOUSE TO RENT - Looking to move my family from Buffalo NY. \$1400 max. 716-983-9251, ksaw39@gmail.com.

BNL FAMILY MEMBERS IN MILITARY - If you have a family member whohas been deployed overseas, please contact Adopt-a-Platoon. Joanne, jrula@bnl.gov.

BOOKS OF ANY KIND - for BVA-AaP Book & Bake Sale, Sept 30 & Oct 1st, please bring to the Clinic, Bldg 490. Denise or Janet, 344-3670.

DOG AND CAT FOOD DONATIONS - For pets of struggling families/elderly. Many are finding it difficult affording to feed their pets. Collection bins are at Bldgs 134, 400, 510 (x5864), 725, 901, 902. Kathleen, Ext. 3161 or kratto@bnl.gov.

FILING CABINET - Looking for a used filing cabinet, two drawers, good cond. Will pick up. Matthew, mvescovi@bnl.gov.

FIREARMS - old or new, will pay fair \$\$\$\$ Joe, Ext. 3783, 487-1479.

HONEY EXTRACTOR - stainless steel, new bee keeper would like to borrow, rent or buy used. Creighton, Ext. 3063.

NEW/GENTLY USED CLOTHES - all sizes, children's books, toys to be donated to 76 families living in a shelter, Laura X4027, lbuscemi@bnl.gov and. Kathleen, Ext. 3161 or kratto@bnl.gov.

SUNDAY PAPER COUPON INSERTS - Please send to Tiffany B, 400C. Food purchased will be donated to local food banks to support the Penny Experiment: <http://tinyurl.com/2d92e86>. Tiffany, Ext. 4716.

For Rent

KISSIMMEE, FL - 2 bdrm timeshare, Orange Lake Country Club, Oct 23-30th, incl guest certificate. \$750/wk. Barbara, 828-6671 or olbrb@aol.com.

FLANDERS, NY - Waterfront, deepwater dock, beach, newly renov. contemp., cathedral ceiling, 3 bdrm, two bath, Jacuzzi, AC, natural gas, large deck, sail boat incl. For sale also. \$2,000/mo neg. Ext. 3078.

MANORVILLE - 2 bdrm, 2 full baths, eik, l/r-d/r combo, furn'd, gated community, use of pool, + util, start 10/21 or later. \$1,200/mo. 878-8442.

MIDDLE ISLAND - spacious 1 bdrm apt, lg eik, l/r, bath, central ac, priv ent, all util incl, no smkg/pets, 1 mo sec. \$1,150/mo. 516-769-5370.

MILLER PLACE - Share large furn. Col. home, 8 mi. to BNL. Central ac/heat. TV/internet. full kitch. Fenced backyard/ deck/grill. Own bdrm. All incl. 2 bdrms avail. non-smoker. \$675/mo. 744-8386.

RIDGE - Cozy 3 bdrm ranch, quiet neighborhood, 1 acre, 3 mi to BNL, 1 bath, eik, d/w, hrdwd flrs, part bsmt, w/ w/d, no smkg/pets, util NOT incl. \$1,600/mo. 834-9176.

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

WADING RIVER - 1 bdrm apt, new & spacious, quiet neighborhood, cable/int/util/ incl, no smkg/pets. \$950/mo. 838-5879.

WADING RIVER - 3 bdrm, 2 bath, cul de sac, SWR schools, private wooded flat bkdyd, walk to town, no smkg/pets. \$2,000/mo. 929-8232.

YAPHANK - 1 bdrm apt, living area, spacious kit, full bath, you pay cable & phone, no pets/smkg, 1st month and 1 month security. \$1,250/mo. Matt, 816-6424.

For Sale

BAYPORT, Great S. BAY, - F.L.Wright-style flat-roof house, .83 acre, v. private, 3 bdrm, 2+half bath, den, lr/dr, kit, utility room, screened porch, carport. Passive solar, heat in floors. \$585,000. 617-332-6264.

FLANDERS, NY - Waterfront, deepwater dock, beach, newly renov. contemp., cathedral ceiling, 3 bdrm, two bath, Jacuzzi, 2-way htg/AC, nat. gas, lge deck, For rent also. (\$2,000/mo neg.) Ext. 3078.

Coasting for a Thrill

Strapped in tight, hands clenched around foam rubber bars, and the wind in your face — that's how Debra Pettit of the Fiscal Division typically spends her summer vacations. Pettit, her husband Scott, and their daughters Samantha and Gwen share an unusual zest for riding fast and furious roller coasters.

"It all started in the late 1970s when the movie 'Rollercoaster' (starring Henry Fonda) hit the theaters," said Pettit. Even though the movie, where someone is terrorizing amusement parks, is a little scary, she said the roller coaster rides in that movie piqued her interest. Since that time, Pettit and her family have traveled the country to feed their appetites for the highest and fastest ride. They will even stand in a special line so they can be seated in the front car of the coaster. "It took some time, but now we even keep our eyes open during the ride!" said Pettit.

While she has been on some of the fastest and highest roller coasters in the United States, including the "Intimidator" at Kings Dominion in Virginia and "Extreme Rider" in New Jersey, Pettit concedes that her favorite park is Cedar Point in Ohio.

"Cedar Point is a world-famous amusement park that boasts 18 roller coasters, and we have taken a ride on every one of them," she said. "My favorite coaster there is the 300-ft 'Millenium Force.' You travel on the tracks about 90 miles per hour and for that one moment when you get to dangle at the top peak, you get a view of



Debra Pettit (right) and her daughter Samantha enjoy a ride on the "Intimidator" at Kings Dominion amusement park in Virginia. Pettit and her family have traveled to amusement parks around the country seeking the thrill of the best roller coaster ride.

Lake Erie that is amazing."

As a member of the American Coaster Enthusiasts (ACE), Pettit and her family get to enjoy extended ride time at many amusement parks, including Dorney Park and Six Flags. ACE membership allows them to enter the parks before they are open to the public and enjoy the rides without waiting in the long lines. "As members of ACE, we've had a lot of fun sharing our love of roller coasters with fellow enthusiasts," she said. "We hope to visit California soon to check out the roller coaster at Magic Mountain."

Given a choice, Pettit says she prefers to ride the more modern, aerodynamic steel roller coasters than the old-fashioned wooden types. "The wooden roller coasters, like the famous 'Cyclone' at Coney Island, are a much rougher ride. But no matter the type or number of times I step into the seat of a coaster and bring that safety bar down in front of me, I still get a thrill," she said. — Jane Koropsak

Pine Barrens Research Forum 2010, 9/30-10/1

The 15th annual Pine Barrens Research Forum, focusing on "The Pine Barrens Maritime Reserve: Beyond the Trees," will be held in Berkner Hall on Thursday and Friday, September 30, and October 1. All are welcome. Visitors to the Lab of 16 and older must carry a photo ID. Registration will begin at 8:30 a.m., followed at 9 a.m. by a welcome from John Pavacic, Executive Director, Central Pine Barrens Commission; Samuel Aronson, BNL Director; Michael Holland, Manager of DOE's Brookhaven Area Office; and Peter A. Scully, Chair of the Central Pine Barrens Commission and Regional Director of the N.Y.S Department of Environmental Conservation.

At 9:30 a.m., Steve Englebright, Assemblyman, State of New York will give a keynote talk on "Visions of the Pine Barrens Maritime Reserve." At 1:30 p.m., another keynote speaker, Enzo Pranzini of the University of Florence will discuss "Beach accretion and erosion at Migliarino San Rossore Massaciuccoli Regional Park, Italy." As part of a larger park exchange program, New York State's Central Pine Barrens has been matched or "twinned" with the Migliarino San Rossore Massaciuccoli Regional Park in the Tuscany Region (near Pisa), Italy, to promote the sharing of knowledge and experience among citizens of both regions. Other talks include "The effects of point and non-point sources on pollution of the Forge River, a South Shore Estuary," by Bruce Brownawell, Stony Brook University; "Fire Island to Montauk Point Reformulation Study" by Stephen Couch of the U.S. Army Corps of Engineers; and many more. On Friday, October 1, from 8 to 10 a.m., in an interactive web conference, the Central Pine Barrens Commission will connect students from Longwood and Patchogue Medford High Schools with students from *Liceo Scientifico* in Pisa, Italy, to compare two river systems, the Carmans River on Long Island and the Arno River in Italy. More information on the agenda is at http://www.pb.state.ny.us/research/pbrf_2010_Brochure.pdf.

To register for the seminar on September 30 and/or the web conference on October 1, mail your name and address, phone number and email address by September 10 to Central Pine Barrens Commission, PO Box 587, Great River, New York 11739-0587. Walk-ins are also welcome.

MIDDLE ISLAND - 2-3BR, oak flrs, new paint/kit/appli/ windows, vinyl siding, gar, corner lot, no reasonable offer refused, by apt only. 775-6922.

SHIRLEY - completely renov 3br 2ba single fam home blt in '02, minutes from Lab and beach, immaculate. \$189,900 neg. Bryn Elliott, 332-8899.

In Appreciation

The shelter we are helping to support is very appreciative of the donations of clothes and toys. Twenty families left, yet 20 moved in with "basically nothing." Two car loads of beautiful items from you all were once again donated. — Thank you from Laura & K.