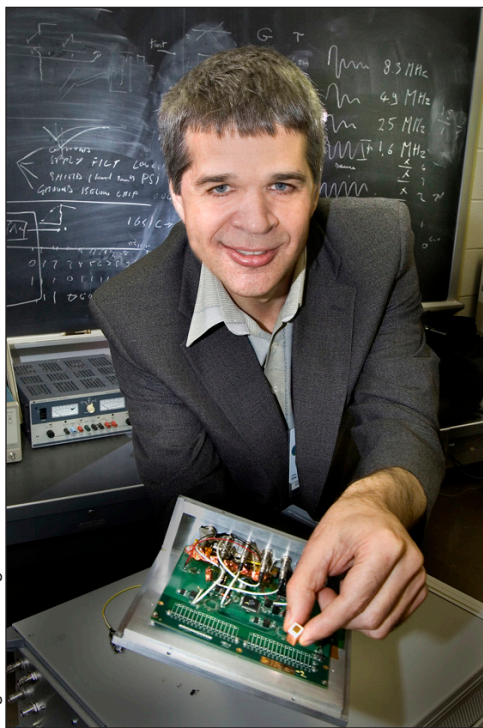


NNS's Aleksey Bolotnikov Wins IEEE's Charles Hirsch Award

Aleksey Bolotnikov, an associate physicist in the Nonproliferation & National Security Department, has been named the 2006 recipient of the Charles Hirsch Award, which is given annually to a member of the Long Island Section of the Institute of Electrical and Electronic Engineers (IEEE). IEEE is a nonprofit, professional association that is a leading authority in technical areas ranging from aerospace and biomedical technology to computer engineering.

Named after a creative engineer at the Hazeltine Corporation, now BAE Systems, the Charles Hirsch Award is given for an outstanding technical contribution that has or is likely to find an application that benefits Long Island. Bolotnikov won the award for devel-



Aleksey Bolotnikov

oping highly efficient room temperature radiation detectors for homeland security and many other applications. He was given a certificate at the IEEE Long Island Section's annual awards banquet at the Huntington Hilton on April 7.

Bolotnikov developed the detectors along with colleagues from BNL, Kansas State University, Rojeski Research Engineering & Design, and Yin-nel Tech, Inc. The cadmium-zinc-telluride detectors are small, easily portable, can detect both x-rays and gamma rays with high resolution, and identify the specific source of radiation. Also, unlike most detectors of this type that must be chilled, they can be used at room temperature, and their performance is highly reliable with minimal maintenance. (continued on page 2)

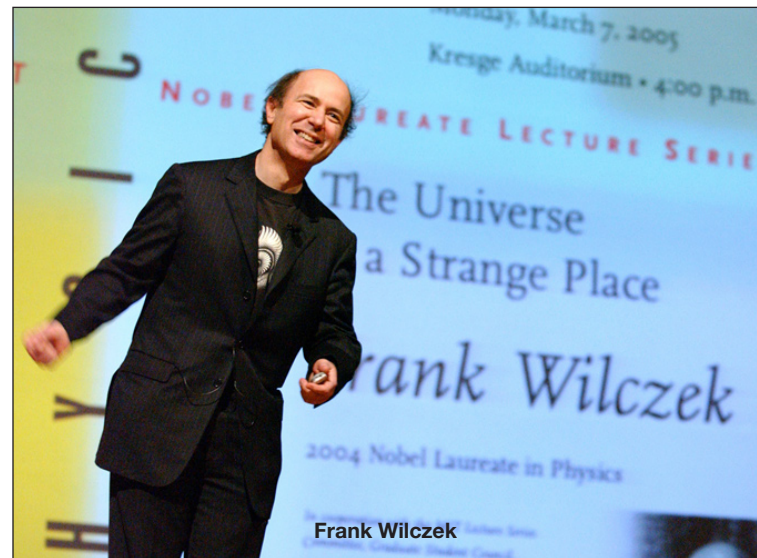
BSA Distinguished Lecture, 4/21

Talk by Nobel Laureate Frank Wilczek On Origin of Mass, Feebleness of Gravity

Frank Wilczek, co-winner of the 2004 Nobel Prize in Physics, will give a BSA Distinguished Lecture titled "The Origin of Mass and the Feebleness of Gravity" on Friday, April 21, at 4 p.m. in Berkner Hall. BSA Distinguished Lectures are sponsored by Brookhaven Science Associates, the company that manages BNL, to bring topics of general interest before the Lab community and the public. All visitors to BNL age 16 and over must bring a photo ID.

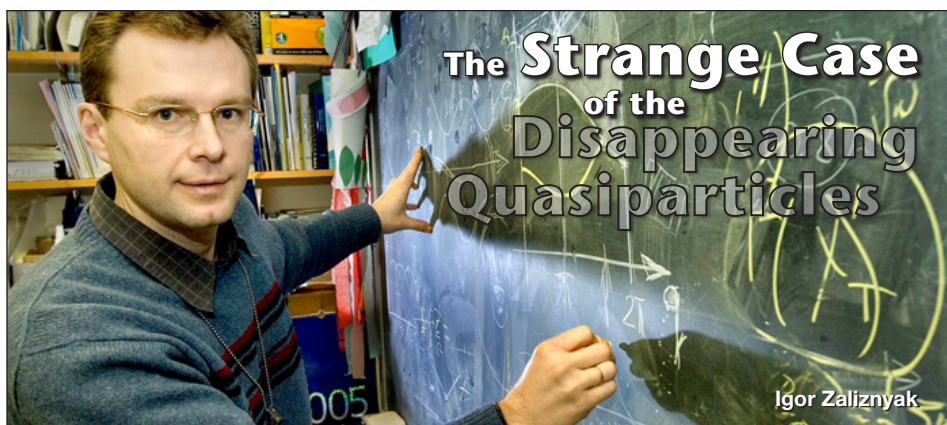
Einstein's famous equation $E=mc^2$ asserts that energy and mass are different aspects of the same reality. The scientifically educated public usually associates the equation with the idea that small amounts of mass can be converted into large amounts of energy, as in nuclear reactors and bombs.

For physicists who study the basic nature of matter, however, the more important idea is just the opposite. Physicists strive to understand, in terms



of basic concepts, how mass arises. In his lecture, Wilczek will explain how he has, in large measure, achieved this goal. He will also discuss the possibilities of new physical phenomena and explain why gravity is quite feeble.

Frank Wilczek is considered one of the world's most eminent theoretical physicists. He shared the 2004 Nobel Prize in Physics with David J. Gross and H. David Politzer for the discovery of asymptotic freedom, a theoretical finding (continued on page 2)



Igor Zaliznyak

In the "standard model" of condensed matter physics, elementary energy carriers are called quasiparticles. Understanding when and how these energy carriers fail to perform their mission opens doors to new phenomena and may lead to new and important discoveries in the atomic nano-world of condensed matter materials.

In the March 9 issue of *Nature*, a collaboration of scientists — Igor Zaliznyak of BNL, Matthew Stone of Oak Ridge National Laboratory, Tao Hong and Daniel Reich of The Johns Hopkins University, and Collin Broholm of Johns Hopkins and the National Institute of Standards and Technology (NIST) — describe their discovery of the point at which the quasiparticles are no longer well-defined energy carriers in a Bose quantum spin liquid. A quantum spin liquid can be thought of as a "sea" of electrons in which the electrons' spins are not frozen into place, as they would be in, say, a ferromagnet.

This discovery could have far-reaching implications, for example, in the study of high-temperature superconductors. The research was funded by the Office of Basic Energy Sciences within DOE's Office of Science and the National Science Foundation.

"Although the quantum-liquid state has been studied for roughly a century, it continues to fascinate physicists," said Zaliznyak of BNL's Condensed Matter Physics & Materials Science Depart-

ment, the lead scientist in this work. "In some systems, the very existence of quasiparticles cannot be taken for granted. We have demonstrated that at higher energies, Bose quasiparticles 'disappear' because they decay."

The study of quasiparticles, which govern the properties of "quantum liquids," was pioneered by Russian Nobel-Prize-winning physicist Lev Davidovich Landau. There are two types of quasiparticles, Bose and Fermi, depending on their spin characteristics. Physicists around the globe are exploring the properties of each type. The experiments detailed in the *Nature* article were conducted using the triple-axis neutron spectrometer at the NIST research reactor in Gaithersburg, Maryland. They confirmed that in a Bose quantum spin liquid found in a particular quantum magnet, quasiparticle decay leads to the particles' disappearance, as was first predicted by Landau for another exotic quantum system — superfluid helium-4.

"Landau proposed that at some energy, the quasiparticles break down," Zaliznyak said. "But the extent of the phenomenon in real materials hasn't been clear. In experiments at the NIST reactor, we have shown Landau's proposal to be true for a quantum spin liquid. Above twice the minimum excitation energy, known as the spin gap, Bose quasiparticles in a quantum (continued on page 2)

Freezing Magnets With Magnets

A "spin liquid" is a unique, dynamic material in which each spin — the tiny magnetic field carried by an electron — is not frozen in time and has no long-range correlations. Instead, the spins are free to change orientation and only feel the effects on near neighbors. Because of this, external magnetic fields applied to spin liquids may produce changes that even extreme temperatures cannot.

Jason Gardner of BNL's Physics Department and the National Institute of Standards & Technology (NIST), has been able to freeze a spin liquid by applying a magnetic field. This liquid-to-solid transition (like water to ice) allowed Gardner and his colleagues to reveal an unusual property of a spin liquid system — a property that may hold the key to understanding this unusual magnetic state and other materials with a liquid-like state.

"Regular liquids are expected to crystallize at low temperatures," Gardner said. "A spin liquid should too, but the system I'm studying remains a liquid down to temperatures close to absolute zero, the coldest temperature possible."

Gardner discussed this research, which is funded by the Office of Basic Energy Sciences within DOE's Office of Science, at the March meeting of the American Physical Society in Baltimore, Maryland.

Spin liquids are found in several magnetic materials, including high-temperature superconducting materials. However, Gardner studies this exotic magnetic state in materials that exhibit geometrical frustration. This occurs when the geometry of the material's atomic lattice and the magnetic interactions within the material are incompatible.

The second part of Gardner's talk will center on the "neutron spin echo technique," a new area of research in frustrated magnetism. This technique uses neutrons to measure the slow motions of atoms, molecules, and magnetic spins on very short timescales — as small as nanoseconds (billionths of a second) and even picoseconds (trillionths of a second).

"The neutron spin echo facility at the Center for Neutron Research at NIST is unique in the Americas," Gardner said. "In collaboration with Georg Ehlers at the Spallation Neutron Source at Oak Ridge National Laboratory, we have been doing some great work on the slow dynamics in frustrated magnets." Gardner and his colleagues hope that their studies will encourage others to use this facility.

— Kay Cordtz
For more information see: J.S. Gardner et al., *J Phys. Condens. Matter* 17, 7089 (2005) and KC Rule et al., submitted to PRL (2006).



Jason Gardner at NIST's neutron spin echo facility

CALENDAR
OF LABORATORY EVENTS

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes
Beginner, Intermediate, Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays & Wednesdays: Pilates
Mondays at noon, Wednesdays at 5:30 p.m., both in Rec. Hall. 9-week session, \$60 for once a week, \$70 for twice a week. Registration is required. Christine Carter, Ext. 5090.

Mondays & Thursdays: Kickboxing
\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Wed., & Fri.: Tai Chi
Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tues. & Thurs: Aerobics
5:15-6:30 p.m., Rec. Hall. 10 classes for \$40, or \$5 per class, pay as you go. Pat Flood, Ext. 7866.

Tues. & Thurs: Aqua Aerobics
5:15-6:15 p.m. \$20 to attend once a week, \$40 to attend twice a week. For more information, call Ext. 2873.

Tues. & Thurs: Jazzercise
Noon-1 p.m., Rec. Hall. \$88 for twice-a-week eight-week session, you may use the membership at several Jazzercise locations. Christine, Ext. 5090.

Tues. & Thurs.: Ving Tsun Kung Fu
Noon-1 p.m., Brookhaven Center, North Room. \$80/month or \$10 per class, pay as you go. Taught by Master William Moy. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Tue., Thu. & Fri: Upton Nursery School
8:30 a.m.-noon, Rec. Hall. 2-and 3-day programs available. Kati, 821-4131.

Tuesdays: Welcome Coffee
10 a.m.-noon, Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club
Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club
6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters
1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmstrs/.

Tues., Wed. & Thurs: Rec Hall Activities
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group
10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Fang Dong, 871-5362.

Wednesdays: Weight Watchers
Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga
Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. New series starts 3/15. See notice, page 3. John Mil-lener, Ext. 3853; Madeline Windsor, Ext. 5069.

Thursdays: Reiki Healing Class
Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholc, Ext. 2027.

Fridays: Family Swim Night
5-8 p.m. BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club
6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Al-forque, Ext. 4733, rudy@bnl.gov.



Roger Stoutenburgh D0040206

2005 Spotlight Awards

For extending extraordinary efforts in response to the needs of their departments or divisions, the following BNL employees, including those pictured above, were honored during fiscal year 2005 by Spotlight Awards. Winners have been listed under the names of departments or divisions in which they served at the time of their award.

Collider Accelerator Department: Michael Bannon, Brian J. Boyle, Don Bruno, John Butler, John Butler, Peter Cirnigliaro, Timothy Costanzo, Lynanne DiFilippo, Joseph Drozd, Robert Edwards, Nicholas J Franco, Michael Ham-ilton, Gregory Heppner, Jennifer Kozak, Anthony Krishock, Nikolaos Lalou-dakis, Ann Lamberti, John Maraviglia, James Meier, Kerry Mirabella, George Murdock, Siegfried Naase, Thomas Nolan, David Passarello, Scott Rottner, Darlene Sappo, Darlene Sappo, Richard Savage, Frank Scheifele, Joel Scott, Paul Sparrow, Richard Spitz, Yatming Roberto Than, Melvin Van Essendelft, Jeffrey Wilke, Thomas Wozniak, and Stanley Yakaboski. **Information Tech-nology Division:** Ed Brosnan, Frank Burstein, Matt Cuttler, Joe DePace, and Donald Gates. **Biology Department:** Matt Cowan, Kristina Duryea, and William McGrath. **Budget Office:** Patricia Giacalone. **Chemistry Department:** Nicholas Camillone, Mahendra Kahanda, and Andrei Sukanov. **Energy, Environment & National Security:** Patricia F. Fox and Louis C. Gerlach. **Facilities & Operations:** John Hynan and Cynthia Klemm. **Director's Office:** Lillian Kouchinsky. **Envi-ronmental Sciences Department:** Robert F. Wieser. **Plant Engineering Division:** Gary Barnett, Pat Browne, Theodore Carpluk, Tom Joos, Bruce Laakmann, Tony Mendez, Dennis Robertson, and Jim Wright. **Environmental Restoration Division:** Dean Atchison and KarenLiebermann. **Environmental Services Divi-sion:** Alain Domingo, Steve Ferrone, and Keith Klaus. **Fiscal Services Division:**

Charlotte Buck, Kenneth J. Galan, and Patricia M. Johnson. **Safety & Health Services Division:** John W. Peters and Ralph Wilson. **Instrumentation Divi-sion:** John McGowan. **National Synchrotron Light Source Department:** John Aloï, Angela Bowden, Michael Caruso, Robert Kiss, Patrick Moylan, Dennis Poshka, John W. Vaughn III, and Zhijian Yin. **Department of Materials Science:** Robert Sabatini. **Medical Department:** Pauline Carter, Barbara Hubbard, and Joseph O'Connor. **Center for Functional Nanomaterials:** Grace Webster. **En-ergy Sciences and Technology Department:** Yusuf Celebi, Anna Seda, and Joann Totans. **Nonproliferation & National Security Department:** Maureen An-derson, Donna Occhiogrosso, and Michele Rabatin. **Occupational Medicine Clinic:** Lisa Folk. **Community Involvement, Education, Government & Pub-lic Affairs:** Noel Blackburn, Barbara Blenn, Susan Dyroff, John Galvin, Peter Genzer, Kathleen Gurski, and Elaine Lowenstein. **Physics Department:** Russell Burns, Donald Davis, Sue Duffin, Enrique S. Garcia, Genda Gu, Robert Konik, Al Langhorn, John McCarthy, Breffni Medcalf, Sabrina Parrish, Sal Polizzo, Ar-lene Rementer, and Jacqueline Timko. **Radiological Control:** Donald Farnam and Steve Townsend. **Safeguards & Security Division:** Christopher Congemi. **Staff Services Division:** Joanne Rula and Andrew Seelin. **Waste Management Division:** Lenny Campione, Edward Gavin, Allen Jones, Holly Olsen, Edmund J. Pavlak, and Ron Prwivo Jr.

Bolotnikov Receives IEEE's Award (cont'd)

"I am honored that IEEE has recognized my work," Bolotnikov said. "I'd like to acknowledge the strong support, encourage-ment, and leadership of my department and my colleagues at Brookhaven Lab who were instrumental in bringing about this successful technology."

Bolotnikov also was co-winner of the 2005 R&D 100 Award, given by *R&D Magazine* annually for the top 100 technological achievements of the year, for developing a cadmium-zinc-telluride detector. In addition to homeland security applications, the detec-tors developed by Bolotnikov and his colleagues can be used for nuclear medical imaging, environmental monitoring and cleanup, galactic events studies, and nuclear weapons safeguards.

Funding for the award-winning detectors came from BNL's Laboratory Directed Research & Development Program and DOE's National Nuclear Security Administration.

Bolotnikov earned an M.A. and Ph.D., both in physics, from the Moscow Engineering and Physics Institute in 1983 and 1991, respectively. After working as postdoctoral research scientist at Columbia University from 1991 to 1994, he became a National Research Council associate at NASA's Marshall Space Flight Center from 1994 to 1997. He joined California Institute of Technology as a senior research scientist in 1997, and he came to BNL in 2003.

— Diane Greenberg

Arrivals & Departures

— Arrivals —

Carl AndersenC-A
Joanna HallHR/OMC
Fritz HennLife Sci.
Kensuke OkadaPhysics

— Departures —

Franklin DensingInst.
Kathleen HauserITD
Brenda KirkHR/OMC
Thomas KirkDirector's Office
Lois MarasciaDirector's Office
Moirra RaynorHR/OMC
John StehleCAD
Udo Von WimmerspergES&T
Qifei WuChemistry
Jie ZhangChemistry

Quasiparticles (cont'd)

magnet cease to function as energy carriers."

The discovery of quasipar-ticle breakdown in a quantum spin liquid may have important implications, particularly in the world of high-temperature superconductors, where, ac-cording to some influential theories, the main players are spin excitations. — Kay Cordtz
❶ For more, see *Nature* 440, 187-190 (9 March 2006)

'Diabetic Nutrition: Essentials for Life'
Two-Part Talk by dietician Amy Shapiro, 4/20

All are welcome to attend "Diabetic Nutrition: Essentials for Life," a presentation to be given by registered dietician and diabetes educator Amy Shapiro, in Berkner Hall, Room B, noon-1 p.m., on Thursday, April 20. Register for the talk by completing the form sent to each employee and returning it to Michael Thorn, Bldg. 490, or e-mail mthorn@bnl.gov.

BSA Lecture by Nobel Laureate Wilczek (cont'd)

concerning the behavior of subatomic particles called quarks. The finding, reported in 1973, led to a completely new physics theory known as quantum chromodynamics.

After receiving a B.S. from the University of Chicago and a Ph.D. from Princeton University, Wilczek taught at Princeton from 1974 to 1981. He moved to the University of California at Santa Barbara, where he was the Robert Huttenback Professor of Physics until 1988. He then joined the Institute for Advanced Study as J.R. Oppenheimer Professor, and, in 2000, he came to the Massachusetts Institute of Technology, where he is the Herman Feshback Professor of Physics. Since 2002, he also has been an adjunct professor in the *Centro de Estudios Científicos* of Valdivia, Chile.

Wilczek has received UNESCO's Dirac Medal, the American Physical Society's Sakurai Prize, the Michelson Prize from Case Western University, and the Lorentz Medal of the Netherlands Academy for his contributions to the development of theoretical physics. He contributes frequently to the scientific journals *Nature* and *Physics Today*, explaining topics at the frontier of physics to wide scientific audiences. Two of his pieces have been anthologized in *Best American Science Writing* (2003, 2005). He also co-authored a book, *Longing for the Harmonies*, with his wife, Betsy Devine.

— Diane Greenberg

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday, April 11; Tuesday, April 18; Tuesday, April 25; and Wednesday, April 26; to answer employees' questions about their financial matters.

The consultant will help you to understand the importance of protecting your assets against inflation; find the right allocation mix for you; learn about TIAA-CREF retirement income flexibility; and compare lifetime income vs. cash withdrawal options.

☎ For an appointment, call Arlene Lyons, (866) 842-2053, Ext. 4629. (Not the on-site Ext. 4629.)

Elder Law Seminars, 4/11 & 5/25

Join Nancy Burner, former president of the Suffolk County Women's Bar Association and a member of the National Academy of Elder Law Attorneys, on Tuesday, April 11, from noon to 1 p.m. in Berkner Hall, Room B, where she will present the elder law seminar "Trusts, Trusts, Trusts: Do I Really Need One?" and on Thursday, May 25, from noon to 1 p.m. in Berkner Hall, Room B, where she will present "The New Deficit Reduction Act: Medicare Part D Pre-scription Drug, What Else Is New?" Check your mailbox for registra-tion forms. Return completed forms to Michael Thorn, Bldg. 490.

❶ For more information, contact Michael Thorn at Ext. 8612 or mthorn@bnl.gov.

April is National Volunteer Month Learn Where Four BNLers Donate Efforts

The Volunteers in Partnership Program (VIP), sponsored by BSA, seeks to support and acknowledge employees who volunteer in organizations outside BNL.

To celebrate national volunteer month, in an effort coordinated by VIP member April Gray, four BNLers are taking one lunchtime each in Berkner Hall lobby over four weeks to provide information on, and talk about, the organization for which they volunteer. The

Bulletin is featuring each volunteer a week ahead of the visit. Last week was the turn of Bill McGahern and his work in boating safety with the United States Power Squadrons. The second in this four-part series features Celeste Tymann's service for Big Brothers and Big Sisters of Long Island.

❶ For information on the VIP program, contact Barbara Blenn, Ext. 4458, or go to www.bnl.gov/community/vip/body.htm.

Celeste Tymann Helps Find Big Brothers, Sisters

Celeste Tymann of the Lab's Staff Services Division spends her time at work coordinating on-site housing for visitors, and she spends her personal time coordinating fundraising functions for Big Brothers and Big Sisters of Long Island. She is "part of the magic" — one of the people who help Long Island children share simple magical moments with a special person — a "Big Brother" or "Big Sister."

Sponsored by the Lab's VIP program (see above), Tymann will be present in Berkner Hall lobby on Wednesday, April 12, 11 a.m.-1 p.m., to share information on Big Brothers and Big Sisters of Long Island.

Tymann has been working alongside her husband for the past 27 years as part of a Big Brothers and Big Sisters fundraising team. The mission of the organization is to provide positive growth and development for children. To do this, the coordinators pair men and women who volunteer their time to be with young Long Islanders who are at risk because of family or personal situations.



On April 12, 11 a.m.-1 p.m., BNL employee Celeste Tymann will set up a display in Berkner Hall lobby with information on the volunteer organization, Big Brothers & Big Sisters of Long Island.

Says Tymann, "Big Brothers and Big Sisters is like a family business for me. The smile on the face of a little girl or boy who has just spent the day with his or her Big Brother or Sister is worth the effort. Activities such as bowling, or going to a ball game or movie may be simple for most kids, but for these kids it's more than that; it's time spent with someone special who can offer them support and guidance."

Currently, the Long Island division of Big Brothers and Big Sisters is serving 600 Long Island boys and girls. "But," says Tymann, "we have 100 boys on a waiting list and we are hoping to get more volunteers."

— Jane Koropsak

❶ If you are interested in volunteering for Big Brothers and Big Sisters of Long Island, call 516-731-7880, or call Tymann, Ext. 2551. For general information go to www.bbsli.org.

Recital

BSA Noon Recital, 4/12 Roebling Ensemble

Roebling Ensemble, a piano quartet, will give a concert on Wednesday, April 12, at noon in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages BNL, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

BERA Board Election Results

In a close-run contest, Tom Nolan, Collider-Accelerator Department, and Ed Sperry, Superconducting Magnet Division, have been elected to the Executive Board of the Brookhaven Employees Recreation Association (BERA). They will serve four-year terms, May 2006 through April 2010.

❶ For more information on BERA, including a list of clubs, upcoming outings and trips, and more, go to www.bnl.gov/bera.

CIGNA Representative On Site, Mondays

Each Monday, Janice Petgrave of CIGNA Healthcare will be available in Human Resources, Bldg. 185, to assist CIGNA medical plan participants with claims issues during 30-minute meetings, 10 a.m.-3 p.m., by appointment only. Be sure to bring all pertinent documentation.

☎ For an appointment, call Linda Rundlett, Ext. 5126.

Take Daughters, Sons to Work, 4/27

On Thursday, April 27, Lab employees' children of ages 10-15 are invited to participate in the national Take Our Daughters and Sons to Work Day. To register your child, contact Liz Gilbert, Ext. 2315, or gilbert@bnl.gov.

Safety Glasses Office to Open Fridays Only

The BNL Safety Glasses Office, which previously has been open on Wednesdays, will open on Fridays instead, beginning on April 14. The place, Bldg. 211, and the hours, 9 a.m.-noon and 1-4:30 p.m., remain the same.

Spring Clean at the Office Supply Swap, 4/18

As part of the BNL's Earth Week celebrations later this month, the annual Office Supply Swap will be held on Tuesday, April 18, 11:30 a.m. - 1:30 p.m. in Berkner Hall lobby.

Take this opportunity to spring clean your offices, supply closets and conference rooms of items that you no longer use, but that are still in good condition, and bring them to Berkner on the 18th to be "recycled." Even if you don't have anything to bring, you may stop by and take away any item you want for free!

In the past, all kinds of things have been donated . . . paper, notebooks, pads, pens, pencils, folders, binders, small office equipment such as calculators, staplers, 3-hole punches, computer related accessories, etc., which were "recycled" for use within the Lab. Bar-coded items may not be accepted.

❶ To learn more, call Francine Donnelly, Ext. 3381, or Beth Blevins, Ext. 6033.

Wanted: Environmental Award Nominees

As part of BNL's commitment to environmental stewardship, the Lab likes to show appreciation to those BNL employees who help to make the environment more healthy and livable. Recipients of the 2005 award will have demonstrated an outstanding contribution in the areas of pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation. Awards will be presented at the annual Earth Day Award Ceremony on April 20. If you believe you or someone you know should be recognized for their environmental stewardship efforts, forward your name (or nominee's name), extension, department/division, Bldg. number, and an overview of the contribution with any supporting documentation, to Karen Ratel, Bldg. 120. For further information, contact Ratel at Ext. 3711 or ratel@bnl.gov.

Four New BAC Members Needed

Four representatives of the Lab's diverse workforce are needed to become members of the Brookhaven Advocacy Council (BAC).

If you are a good listener who can maintain confidentiality, remain impartial, base your judgment on fact rather than emotion, are interested in establishing an atmosphere of trust between BNL management and its employees, and are willing to devote time and energy to ensure that everyone enjoys equally the quality of life that BNL offers, consider becoming a BAC member.

BAC is a key component of BNL's system of justice. The members advise and make recommendations to the Lab Director on resolving employee/guest/user concerns or issues that are brought to the BAC's attention. The BAC is charged with the authority to receive and respond to employee/guest/user concerns or issues; analyze and research data; and propose resolutions. Members have access to all pertinent, uncensored information, within BNL's guidelines regarding confidentiality, to assist them in resolving these concerns or issues. Membership responsibility consists of regular participation in the monthly Council meetings for three years. The BAC functions independently of the Human Resources & Occupational Medicine Division, reporting directly to the Lab Director.

If you are interested in being a candidate, contact Susan Foster, Employee Relations Manager, at foster@bnl.gov, by May 12th. Foster will need: your name, extension, e-mail address, department/division, and position. Candidates will be interviewed by a Nominating Committee, which will recommend candidates to the Lab Director, who makes the final decision and appoints the members.

Earth Day Plans Under Way — Join Contest

The Environmental & Waste Management Services Division (EWMS) has exciting events planned for Earth Week, April 17 – 21, including the Environmental Pledge Tree, the hybrid vehicle display, the office swap, and the annual awards celebration.

Once again, EWMS is also hosting the "Twice is Nice" contest. The goal is to create the best entry made from reused materials destined for the trash, such as household wastes and construction debris. The contest is open to all BNL employees. Check your mailbox for entry forms, which contain the contest rules. For more information, contact Karen Ratel at Ext. 3711 or ratel@bnl.gov.

Upcoming 'Rise & Shine' Program Events

- Friday, April 14, noon-1 p.m., Berkner Hall, Room A. Relaxation Response session. A practical session on an excellent technique for relaxing your body and mind.
- Monday, April 17, noon-1 p.m., Berkner Hall, Room C. Guided Imagery. An experiential session to explore the use of guided imagery for relaxation and personal growth.
- Thursday & Friday April 20 & 21. Free Tai Chi classes for beginners. To register, contact Michael Thorn, Ext. 8612.

CALENDAR

(continued)

— WEEK OF 4/10 —

Tuesday, 4/11

***Elder Law Seminar**
Noon-1 p.m., Berkner Hall, Room B. Nancy Burner on "Trusts, Trusts, Trusts: Do I Really Need One?" See page 2.

Wednesday, 4/12

***BSA Noon Recital**
Noon. Berkner Hall. Roebling Ensemble piano quartet. See left.

Saturday, 4/15

Hospitality's Easter Egg Hunt
11 a.m. Recreation Hall. The Hospitality Committee welcomes parents and children to the annual egg hunt. Participate in other games, arts, and a raffle. Bring a snack or dessert to share. Bagels, fruits, and drinks will be provided. Contact Petra Adams, 821-9238 or petra@adamsovi.com

— WEEK OF 4/17 —

Wednesday, 4/19

414th Brookhaven Lecture
4 p.m. Berkner Hall. Anat Biegion, Medical Department, who uses medical imaging for her research on brain injury from trauma and other causes, will talk on "Of Boys and Girls and Bumps on the Head." All are welcome.

Thursday, 4/20

***Talk on Diabetic Nutrition, Part II**
Noon-1 p.m. Berkner Hall, Room B. Amy Shapiro talks on "Diabetic Nutrition: Essentials for Life." See notice at left.

Friday, 4/21

BSA Distinguished Lecture
4 p.m. Berkner Hall. Nobel Laureate Frank Wilczek will talk on "The Origin of Mass and the Feebleness of Gravity." All are welcome.

— WEEK OF 4/24 —

Monday, 4/24

30-Minute Film on Nanoscience
4 p.m. Berkner Hall. "When Things Get Small," a prize-winning 30-minute film on nanoscience, will be introduced by Laura H. Lewis, Deputy Director of BNL's Center for Functional Nanomaterials. will give a brief overview of the Lab's nanoscience activities and introduce one of the film's producers and stars, Ivan Schuller, of the University of California, San Diego, who will talk on the film and answer questions. All are welcome to this free event. For more information, see www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=06-40

— WEEK OF 5/22 —

Thursday, 5/25

***Elder Law Seminar**
Noon-1 p.m., Berkner Hall, Room B. Join Nancy Burner on "The New Deficit Reduction Act: Medicare Part D Prescription Drug, What Else Is New?" See notice on page 2.

— WEEK OF 6/5 —

Tuesday, 6/6

Retirees' Get-Together Lunch
Noon-4 p.m. Bellport Country Club. Good food, prizes, surprises, and entertainment. Watch the Bulletin, BREA Newsletter and visit www.brea.bnl.gov for details.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

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/.

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees.

MK4097. PROJECT ENGINEER I (P-9) (ES&H Coordinator) - Requires a Ph.D. or M.S. degree in a science discipline and a minimum of 10 years' relevant experience. Comprehensive knowledge, skills and experience within the discipline of ES&H is also required, as well as knowledge of DOE safety standards. Considerable communications (oral and written) and interpersonal skills are required to work with a diverse internal and external workforce and to achieve compliance within all aspects of ES&H. Experience in working within a scientific environment with unique high-tech instruments and equipment is essential. The ability to keep current with emergent technologies, best practices, and lessons learned, and to communicate this information to management, staff, and users is required. The following skills are desirable: executing safety programs at national user facilities, working with BNL's integrated safety management program, knowledge of the principles of nanotechnology and nanotoxicology, and professional certification by the American Board of Industrial Hygiene or the Board of Certified Safety Professionals. Will develop, implement, and oversee the environmental, safety and health program for the Center for Functional Nanomaterials (CFN) including research activities, facility operations, and the external CFN User program and take a lead role in planning and supporting the transition to operations activities for the CFN project. Will ensure that the CFN operates under the Laboratory's Integrated Safety Management program and within CFN User policies. Will conduct and coordinate safety reviews of the Nanoscience Department experimental programs (ESRs) and CFN User proposals. Responsibilities include inspection, investigation, risk identification/analysis, corrective action resolution and ES&H internal/external reporting. Responsible for maintaining current knowledge of emergent nanotechnologies, and related ES&H issues and regulations, and assisting in communicating and educating CFN management, staff and users on best practices and lessons learned. In coordination with the BES Operations Manager, is responsible for all CFN-related ES&H internal/external audits and reviews. Monitors and ensures training compliance and works cross-organizationally to coordinate ES&H activities with other BNL User facilities and BES departments. The CFN is comprised of User facilities and multiple research laboratories that will include unique state-of-the-art instrumentation and equipment that requires the possession of a blend of scientific knowledge, hands-on practical knowledge and technical expertise within the ES&H profession. Reports to the Chair of the Nanoscience Department in the Basic Energy Sciences Directorate. Center for Functional Nanomaterials.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

MK3244. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, chemistry, or materials science, and experience with synchrotron x-ray diffraction. Research experience with systems relevant to nanoscience is highly desirable. Research will involve the use of glancing incidence x-ray diffraction and x-ray micro beam diffraction for projects involving soft and biomolecular nanoscience materials. Will be expected to participate in the development of instrumentation for the implementation of these techniques as well as becoming involved in collaborative research with users of the Center for Functional Nanomaterials at BNL. Under the direction of R. Pindak, National Synchrotron Light Source Department.

TB2680. PHYSICS ASSOCIATE IV (P-1) (4 positions) - Requires a BS in physics; and excellent written and oral communication

skills. Background experience in high power pulsed power supplies, digital electronics, computer controls and programming, as well as laboratory test and measurement techniques, is desirable. Primary duties, as part of a rotating shift team, include the operation and troubleshooting of the Collider-Accelerator Complex for the experimental physics program. Will be part of emergency response team while on shift. Collider-Accelerator Department.

Motor Vehicles & Supplies

04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu. br, lg. bath, bunks, storage, excel. Used 5 times. \$21,500/neg. 924-0139.

04 FORD F350 - Lariat dsl crewcab, spray-liner, 8' bd, cap, fctry warr., extras. 26K mi. \$34,500/neg. Richard, Ext. 5319 or 835-8309.

03 TOYOTA AVALON XL - loaded, 4DSD, immac., beige, leather, s/rf., clean, orig owner. 68K mi. \$14,500/neg. Nancy, Ext. 4567.

02 YAMAHA YZ250F - motocross bike, 4 stroke, liquid cooled, auto-decompression, immaculate. \$2,900. 886-1417.

02 YAMAHA BLASTER - quad, 2-stroke, excel. cond. \$2,100. 886-1417.

01 LINCOLN LS - white, V8, 4dr., loaded, 5cd, heated leather seats, s/roof, alarm, excel. cond. 50K mi. \$16,000/neg. 871-0561.

00 TOYOTA MR2 SPYDER - red w/red int., convertible, 5 spd, mid engine, extras, mint. 32K mi. \$13,000/neg. 525-7208.

99 DODGE DAKOTA - extra cab, 4wd, a/t, p/w, p/l, a/c. 81K mi. \$7,800. 289-9727.

98 DODGE DURANGO - 7 psgr, front and rear air, p/s, p/l, p/w, 4wd, a/t, excel. cond. 115K mi. \$5,600. 289-9727.

98 FORD EXPEDITION XLT - 4wd, 5.4L, 3rd seat, leather, 6 CD, white/tan, immac. 117K mi. \$9,700. Ext. 7294 or 886-1417.

97 MERCURY COUGAR - pearl white clearcoat, m/roof, V6, all options, spotless. \$6,000. Ext. 5665.

96 TOYOTA CAMRY LE - 10*/05 tune up, clean, new axel & fr. tires, hiway miles, no dents. 94K mi. \$3,725/neg. 315-857-3054.

95 HONDA MAGNA - 4cyl, custom paint, seat, pipes, bars, lockable hard bags, hwy. pegs; excellent. \$2,700. Brian, Ext. 4721.

90 GMC H/TOP CONVERSION VAN - 350 eng., tow pkg., rebilt tranny & rear, tv, dvd, am/fm/cass. 144K mi. \$2,700. 345-0063.

65 FORD FAIRLANE - 4-dr. sedan, eng 289, 4-spd. trans., new brakes & clutch. \$2,000. 886-1591.

RADIO & SPEAKERS - fits Ford F150, orig \$40. Joe Mondli, Ext. 3499.

SPOILER - for Honda Civic, unpainted, still in box, best offer. Ext. 4705.

Boats & Marine Supplies

12' GRUMMAN ALUM - w/trailor. \$500/neg. Mark, Ext. 7638.

21' CAMPION EXPLORER - 2000, hard top, outbrd, immac, extras, \$21,500/neg. Nancy, Ext. 4567 or 516-241-4598.

21' SEASWIRL STRIPER DUAL CONSOLE - 2003 w/Volvo 270 I/O, <25hrs, warr., trlr., DF, FF, GPS, full canv. \$29,000/neg. 987-4281.

22' O'DAY SHOAL DRAFT - 1977, new electrical, cushions, all accessories. \$3,000/neg. John, Ext. 3108 or 821-2530.

24' PROGRESSION LD - 2002 w/250 hp merc w/40hrs loadrite trlr, full equip, max 76 mph, 3 covers. \$40,000/neg. 646-207-0878.

8' ALUM. DINGHY - \$175/neg. 929-3092.

BOAT TRAILER - 20' Shoreline w/new tires, electric winch, '83, good cond. \$375. Larry, 473-7832.

Furnishings & Appliances

BABY'S ITEMS - Peg high chair, Gracco bassinet and swing, SnapNGo strol, Pottery Barn chng tbl, more. 258-4607.

BEDROOM - bunk beds, 1 mattress, dresser, mirror, chest of drawers, solid wood, excel. cond. \$575. Ext. 4315 or 929-4993.

CHAIR - reclining, \$30. 909-1498.

WASHER/DRYER COMBO - White Westinghouse apt.-size, make offer, you pick up in Coram. Ext. 5566 or 474-5459.

COLONIAL TABLE - dark pine w/6 chairs, good cond. \$200. Bob, 929-3092.

DEHUMIDIFIER - excel. working cond. \$65. Joseph, Ext. 3783 or 929-8321.

DINING TABLE - oak, 2/leaves & pads, 4 chairs \$450; kids Prego Jeep w/trailer new batt. & charger \$90. 909-1498.

END TABLES - pair for living room, light oak, Queen Ann, 24"W x 21"D x 19"H, oval. \$50. Frank, Ext. 5920.

PATIO DOORS - Anderson, 6' total, separate 1-fixed, 1-moveable, 1-screen door. \$25 ea. Stephen, 929-6527.

SECTIONAL COUCH - gray velour fabric w/pindot pattern, 5-piece sectional, excel. cond., ask \$300. Artie, Ext. 5937.

WINDOW SHADES - Two faux suede Roman shades, ivory, 35" & 48" new, in boxes, orig. \$120, ask \$90. Lois, 929-4753.

Audio, Video & Computers

PHOTO PRINTER - Canon, call for details. \$35. Maryann, Ext. 4705.

SPEAKER CABINETS - Fisher, walnut, black cloth remvbl face, 18"w, 15"d, 32"h, 15" woofer, 6" mid range, 4"h. \$50. Ext. 5920.



Sports, Hobbies & Pets

BIKE - lady's, v. good cond. \$30. Ext. 2559.

POCKET BIKE - silver. \$150 neg. Ext. 4705.

SHIH TZU PUPPIES - 6 adorable, precious cuties, home-bred, 8 wks. old, available now. Susan, 284-3314.

Miscellaneous

DRAFTING TABLE - wood, old, dusty, you pick up. \$30. Ext. 7647.

WHEELCHAIR, ELECTRIC - brand new, batt. op., make a fair offer. 399-4169.

Free

MEDITATION RESEARCH STUDY - seeking people with both hypothyroidism & symptoms of sadness/depression. Contact hypostudy@aol.com. Christine or Laura, Ext. 4660.

POPULAR SCIENCE MAGAZINES - assortment, approx. 50 soft-cover books, info on cars, etc. Barbara, Ext. 3431.

Happenings

SBU Univ. Cafe, 2 p.m. Sun. 4/23. Show features Tom Russell with Andrew Hardin. \$20, \$15/students.gpalai@notes.cc.sunysb.edu.

Wanted

AQUARIUM/FISH TANK - pref. hexagon, less than \$100. Jason, Ext. 8190.

FIREARMS - any type and cond., old or new. Joseph, Ext. 3783 or 929-8321.

FURNITURE - used full size bed, dining table and chairs, desk, pots and pans, reasonably priced. Haiyan, Ext. 4317.

GUINEA PIG - seeking to adopt a female (!) Guinea pig as company for my lonely only piggie. Brigitte, Ext. 3114.

HAVANESE DOG - looking to adopt young black/white pure bred Havanese dog. Linda, Ext. 5384.

Lost & Found

FOUND: CELL PHONE - T-Mobile cell phone, in Berkner Hall. Ruth, Ext. 3545.

FOUND: EARRING - 1 small gold hoop earring. BERA Store. Andrea, Ext. 3347.

FOUND: EARRING - silver, snowflake, found by Bldg. 460. Pam, Ext. 7774.

For Rent

BOHEMIA - 3-bdrm., l/r, d/r, eik, 1.5 bath, 1st floor of house, util. incl., good for family. \$1,850/mo. Mitch, 218-2722.

CENTER MORICHES - 2-bdrm. house w/carport, w/d, freshly painted, new w/w carpet, nr shops, 1 block to water, no pets/smkg., util. extra. \$1,400/mo. 878-6016.

FARMINGVILLE - 1 lg. bdrm. in house, share bath w/1, full kit., elec incl., avail. 4/1. \$450/mo. Ben, 513-8275.

MASTIC - 2 bdrm., 1 bath, totally renovated, huge property w/fenced yard, state kit., new floors, a must see, util. extra. \$1,800/mo. Mike, 831-2279.

NORTH BABYLON - king bdrm., living/kitchen, full bath. no smkg., single pref., cable and util. incl. \$850/mo. 940-0695.

RIDGE - 1 lg. studio, bright & warm, w/full bath, priv. ent. and fenced garden, house apart from owner, park in drway, quiet & safe n'hood. \$700/mo. Zhen, 821-0859.

SHIRLEY - lg. 1-bdrm. bsmt. apt., airy and bright, new paint/appliances, no pets/smkg., suit. for one. \$800/mo. Ext. 3846.

SHOREHAM - Jun-Aug rental, ranch, 3 bdrms., 1 ba., l/r, den, kit., wash/dry, 1-car gar., lg. yrd, util. extra. \$1,800/mo. 258-4607.

WADING RIVER - 2 bdrm., eik, lg. l/r., lg. den, lg. deck, pvt. pkg., no kids/pets/smkg. util. extra. \$1,500/mo. 928-9328.

For Sale

CALVERTON - Mobile Home Community 55+ a/c, 2 bdrm., 1 bath, l/r & d/r, Fla. Rm. \$65,000. Luke, Ext. 2238 or 516-315-5529.

CENTEREACH - 4-yr.-old Center Hall Col., 5 bdrm., 2-1/2 bath, eik, great room, d/r, fin. bsmt., f/p, 1st flr laundry, 20 min to Lab, 5 min. to SBU. \$509,990, 981-2471.

EAST QUOGUE - reduced, new 2/2 condo up unit, 1-car grg., sr. commty, cust. closets, 42' cabinets, tiled baths, c/a/c, maint. free, excel. \$629,900/neg. 723-0770.

SHOREHAM - Dutch Col., 4 bdrm., 2 bath, d/r, l/r, lg. fam. rm., wood flrs., new lg. kit., new appls., 1-car gar, ipp, fenced yrd., family n/borhood. \$510,000 258-4607.

On-Site Service Station

VEHICLE SERVICING - The Lab's on-site service station offers oil changes, NYS inspections, new batteries, tires, timing belts, etc., while you are at work. Ext. 4034.

BERA and Hospitality Committee News

Need Help to Plan Trips, Functions

The Hospitality Committee is seeking volunteers to assist in planning functions and trips and to participate in all offerings. Open to all. Call Ext. 5090, or come to the Tuesday Coffee at 10:30 a.m. in the Recreation Hall in the apartment area.

'General Banking' Workshop, 4/17

The Teacher's Federal Credit Union (TFCU) will offer a "General Banking" workshop, sponsored by the Quality of Life/BERA/Recreation Office, on Monday April 17, at noon in the Recreation Hall. Learn how to use a checking account and manage your money. Call Ext. 5090 for more information. The workshop will be offered quarterly and all are welcome.

Top of the Rock Observatory and Free Day in NYC, 4/22

On Saturday, April 22, take a luxury bus from BNL to see the stupendous view from the Top of the Rock Observatory at Rockefeller Center and enjoy the rest of the day free in New York City. Buy your ticket at the BERA Store: \$20 per person includes admission and transportation.

NASCAR tickets, 6/4, 9/24

Buy tickets today at the BERA Store for NASCAR at Dover, Delaware, on June 4 or September 24, \$110 per person.

Yankee Tickets

Tickets & bus to Yankee Stadium on June 9, July 14, or August 11. Buy tickets at \$12 at the BERA Store.

Golf Stretching Clinic

Presented by BERA & the Occupational Medicine Clinic on Friday, April 14, at noon. Jennifer Gatz, Exercise Physiologist, will demonstrate warm up & stretching techniques for all BNL golfers at the gazebo area. Bring your clubs & a towel. Ext. 2873.

Golf Clinic With a Pro

Presented by BERA & the Occupational Medicine Clinic on Monday, April 17. Pre-registration is necessary and priority will be given to "Rise & Shine" Program participants. For more information, contact Michael Thorn, Ext. 8612.

'Tarzan' on Broadway

Front mezzanine seats are available for the 3 p.m. show of the new Broadway production of *Tarzan* by Disney on Sunday, July 16, at the Richard Rodgers Theatre, 226 W. 46th St. The bus will leave Brookhaven Center at 9:30 a.m. and will leave NYC at 5:30 p.m., or after the show. Buy tickets at \$80 per person at the BERA Store.

Other Discount Tickets Available

The following Discount tickets are available at the BERA Store:

- Atlantis Marine World in Riverhead for \$11, rather than the \$17/\$15 normal admission fee
- NY Dragon's Football: Half-price tickets.

For more information on these events and others, go to www.bnl.gov/bera/recreation/discounts.asp.

Japanese-American Spring Festival

A Japanese-American Friendship Spring Festival will be held at the BNL on Saturday, May 6, 10 a.m.-4 p.m. in Berkner Hall. This program is made possible in part with grants from the New York State Council of the Arts and the Huntington Arts Council. Sponsored by the Lab's Asian Pacific American Association in collaboration with Ryu Shu Kan of Farmingville and the Unitarian Universalist Fellowship of Huntington, the festival will be held in honor of Asian Pacific American Heritage Month. Japanese dance, music, fencing, sword art, way to don armor, ink painting, and much more will be part of the event, which is open to the public.

Tickets are: adults, \$10; children age 5 -12, \$5; and children under 5, free. Buy tickets at the BERA Store, Berkner Hall, weekdays, 9 a.m.-3 p.m., or at the door of the event. All visitors to the Lab age 16 and over must bring a photo ID.

Benefit Concert at Brookhaven Lab, 4/29

To Honor WUSB.FM Radio Manager Norm Prusslin

The BNL Music Club will sponsor a benefit concert to honor the career of Norm Prusslin, the founding father of the non-commercial college radio station WUSB 90.1 FM, which is broadcast from the Stony Brook University campus. The concert, which is open to the public, will be held in Berkner Hall on Saturday, April 29, 6 p.m.-midnight. Visitors age 16 and over must bring a photo ID.

Prusslin is stepping down from his position as general manager of the radio station after 29 years of service. An eclectic group of performers will lend their talents at this benefit show, performing bluegrass, blues, reggae, jazz, rock, and alternative music. The performers include: Kerry Kearney, Lil'Toby Walker, Buddy Merriam, Sam Taylor, Jack Licetra, The Others, Jimmy Dexter, John Tabacco, Mary Anne Devine, John Ford of the Strawbs, T-Man and the Aggression, The Center for Hearing and Dizziness, The New Suffolk Blues Project, Mike Soloway, Ted Schreiber, Parrhesia, and special guests. Past and present WUSB radio personalities will be on hand to regale the audience with their best "Norm" stories.

Tickets can be purchased in advance at the BERA Store, www.ticketweb.com, or at the door on the evening of the performance. No seats are reserved. The minimum ticket price is \$10, with \$25, \$50, and \$90 tickets offered for those who wish to make an additional donation to WUSB.FM. All proceeds from the concert will be donated to WUSB.FM. Donations are tax-deductible.

OntheWeb,theBulletinislocatedatwww.bnl.gov/bnlweb/pubaf/bulletin.html. A calendar listing scientific and technical seminars and lectures is found at www.bnl.gov/bnlweb/pubaf/calendar.html.

Bldg. 134, P.O. Box 5000
Upton, NY 11973-5000
phone: (631) 344-2345
fax: (631) 344-3368
e-mail: bulletin@bnl.gov