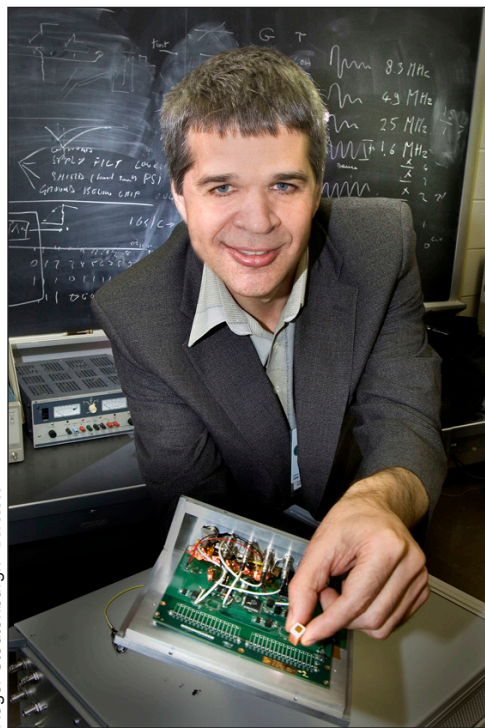


NNS's Aleksey Bolotnikov Wins IEEE's Charles Hirsch Award

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.



Aleksey Bolotnikov

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-

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)

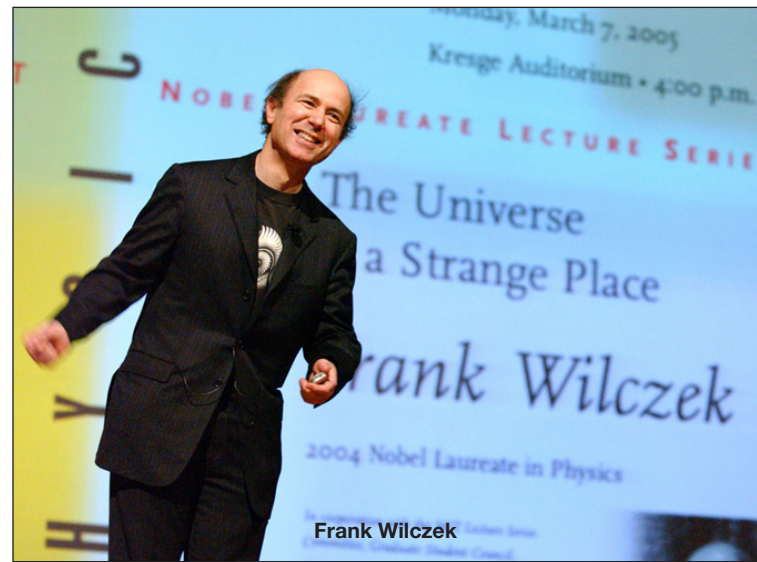
BSA Distinguished Lecture, 4/21

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.

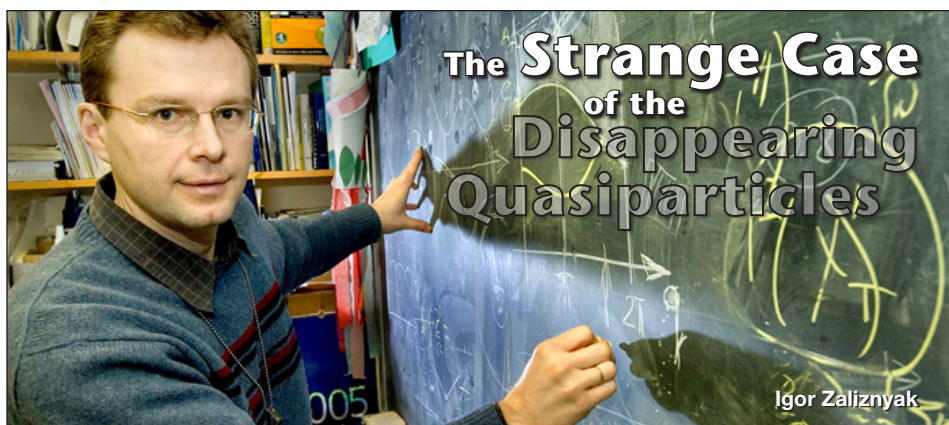
Einstein's famous equation $E=mc^2$ asserts that energy and mass are different aspects of the same reality. The scientifically educated public usually associates the equation with the idea that small amounts of mass can be converted into large amounts of energy, as in nuclear reactors and bombs.

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. Katj, 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/toastmasters/.

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 Milner, Ext. 3853; Madeline Windsor, Ext. 5069.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, 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 Alforque, Ext. 4733, rudy@bnl.gov.

2005 Spotlight Awards



Roger Stoutenburgh 00040206

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 Hamilton, Gregory Heppner, Jennifer Kozak, Anthony Krishock, Nikolaos Laloudakis, 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 Yakoboski. **Information Technology 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. **Environmental 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 Karen Liebermann. **Environmental Services Division:** 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 Division:** John McGowan. **National Synchrotron Light Source Department:** John Aloj, 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. **Energy Sciences and Technology Department:** Yusuf Celebi, Anna Seda, and Joann Totans. **Nonproliferation & National Security Department:** Maureen Anderson, Donna Occhiogrosso, and Michele Rabatin. **Occupational Medicine Clinic:** Lisa Folk. **Community Involvement, Education, Government & Public 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, Arlene 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, encouragement, 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 detectors 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
- Maira 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 quasiparticle breakdown in a quantum spin liquid may have important implications, particularly in the world of high-temperature superconductors, where, according to some influential theories, the main players are spin excitations. — Kay Cordtz
 ☎ For more, see *Nature* 440, 187-190 (9 March 2006)

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 Prescription Drug, What Else Is New?" Check your mailbox for registration forms. Return completed forms to Michael Thorn, Bldg. 490.

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

**'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.

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.

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.



Roger Stoutenburgh 029100306

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

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 Roebing Ensemble

Roebing 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.

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.

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. Roebing 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 Biegon, 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.

