

Invitation

BNL staff, facility users, and community members are invited to a reception for new BNL Director Praveen Chaudhari, Friday, May 2, 4-7 p.m., in Berkner Hall.

Alex Harris Named Chemistry Chair



Roger Stoutenburgh D2430403

resonance imaging — for biological and medical research.

• **Fundamental particles:** continues to be an active collaborator in solar neutrino research, work for which retired BNL chemist Raymond Davis Jr. won the 2002 Nobel Prize in Physics. A Chemistry Department team also is involved in research at the PHOBOS detector at the Lab's newest particle accelerator, the Relativistic Heavy Ion Collider.

"I hope to initiate new programs that overlap the boundaries of various departments within Brookhaven," Harris said. "We already have a strong imaging program in cooperation with the Medical Department, but I would also like to do more research with the Materials Science Department and research on condensed matter physics with the Physics Department, as well as maintain strong links with the National Synchrotron Light Source.

"Also, Brookhaven's soon-to-be-built Center for Functional Nanomaterials will have a strong focus on chemistry," continued Harris, "so we are looking forward to being highly involved in the center's research, and we have already begun some nanoscience projects. Collaborative efforts that span many fields can help to strengthen and benefit research."

Harris earned a B.A. in chemistry from Swarthmore College in 1978, and a Ph.D. in physical chemistry from the University of California at Berkeley in 1985. Joining AT&T Bell Laboratories, Murray Hill, New Jersey, now Bell Laboratories, Lucent Technologies, in 1985 as a member of the Chemical Physics Research technical staff, he rose to department head of the Materials Chemistry Research Department in 1996. In 2000, he joined Agere Systems, Allentown, Pennsylvania, as director of the Guided Wave and Electro-optics Research Department, a position he held until he came to BNL. — Diane Greenberg

Alex Harris, a physical chemist and research manager from industry, has been named Chair of the Chemistry Department, effective March 10.

With 78 employees and an annual budget of about \$12 million, the Chemistry Department focuses on five major research areas:

• **Catalysis, including reactivity and structure:** the study of chemical transformations important to clean and efficient fuel production and many new chemical compounds;

• **Gas-phase molecular dynamics:** the study of the structure and chemical reactions of small molecules to provide an understanding of the process of combustion, which accounts for 80 percent of energy use;

• **Photo-induced and radiation reactions:** the study of chemical reactions that are important for solar energy and medical applications.

• **Biological imaging:** collaborates with the Medical Department in the use of imaging technologies — positron emission tomography and magnetic

SNS Project Team Celebrates New Milestones



Roger Stoutenburgh D2430303

Members of the Spallation Neutron Project Team gathered to celebrate the most recent milestones of the \$1.4 billion Spallation Neutron Source (SNS) Project: BNL's delivery of first magnet assemblies for the SNS accumulator ring, and a successful project review by the Accelerator Systems Advisory Committee that was conducted at the SNS construction site at Oak Ridge National Laboratory (ORNL) in Tennessee, on March 10-12.

As one of six DOE national labs in the SNS collaboration, which is funded by DOE's Office of Basic Energy Sciences, BNL is responsible for designing, manufacturing, and testing the SNS accumulator ring and its transport lines. A key component of the SNS accelerator complex, the accumulator ring is designed to deliver an unprecedented beam intensity of 2×10^{14} protons per pulse with an average beam power of 2 megawatts. The BNL team for the SNS Project consists of about 140 people from the Collider-Accelerator Department, the Superconducting Magnet Division, and the Energy Sciences & Technology Department. Now in its fourth year of construction, the SNS project is ready to begin installation of the accumulator ring and transport systems with

BNL-supplied magnets, power supplies, and related accelerator systems. When completed in 2006, the SNS will produce intense beams of protons for neutron spallation that will enable scientists to study materials at the atomic level and use the information to design stronger, lighter, and less expensive materials.

Said Collider-Accelerator Department Chair Derek Lowenstein, "The BNL accelerator design team is second to none in producing state-of-the-art accelerators. The SNS accumulator poses two challenges: providing a high power proton beam, and doing it with almost zero beam loss."

Deputy Laboratory Director for Science & Technology and past Interim BNL Director Peter Paul, who sponsored and attended the celebration, said in his address to those attending the luncheon, "The BNL group working on the SNS project has consistently achieved all milestones and stayed within targeted costs. This has created a climate of trust between SNS management and the BNL group that has recently led to additional funding and responsibility for the effort at BNL. I congratulate all of you for your outstanding performance." — Liz Seubert

Brookhaven Spotlights

The past two issues of the Bulletin have featured selected briefings describing research presented by BNL scientists at the 225th American Chemical Society Meeting, held March 23-27 in New Orleans, Louisiana. The following talk by Marshall Newton of the Chemistry Department completes this series.

Probing Electron Transfer Between Molecules

To be able to build electronic devices such as switches and transistors out of molecular materials, scientists need to know how electrons are transferred between molecules.

"Scientists have long recognized that single molecules might very well be made to perform the basic functions of electronic circuit elements," says theoretical chemist Marshall Newton of the Chemistry Department. "So we need to know how to control the flow of electrons between molecules."

Newton and his experimental colleagues John Smalley and Stephen Feldberg, who are both Department of Materials Science guest scientists, created small devices, each composed of a gold electrode, a bridge, and acceptor molecules made of either ferrocene or ruthenium.

By looking at how electrons are transferred between the electrode and the molecular acceptors, the scientists were surprised to notice that the speed of the electrons inside the bridge reached a limit for small bridges.

Newton suggests that two phenomena might cause this limiting behavior: defects in the molecular conformation of the bridge might decrease the coupling of the acceptor to the electrode, or the self-assembled film which supports the bridge might reorganize itself.

"Nanometer-sized molecular structures are made of 'bundles' of molecules, so it is challenging to understand how electrons move around them," Newton says. "What we have found shows that we still need a better understanding of electron transport before we can construct the basic circuit elements needed for a molecular electronic device." — Patrice Pages



Marshall Newton

Roger Stoutenburgh D1700303

BSA Distinguished Lecture

Brian Greene on String Theory and the Fabric of Spacetime, 5/1



Brian Greene, Columbia University professor of physics and mathematics, and author of the bestseller *The Elegant Universe* (New York: Norton, 1999), will give a BSA Distinguished Lecture on "String Theory and the Fabric of Spacetime," on Thursday, May 1, at 4 p.m. in Berkner Hall.

String theory, as well as its most recent incarnation, called M-theory, seeks a unified theory of all forces and all matter.

Progress toward this goal is rapid and has required substantial upheavals in physicists' understanding of spacetime and the fundamental constituents of matter.

In his talk, Greene will discuss these developments at a scientifically sophisticated level, although no previous knowledge of string theory will be presumed.

Brian Greene received his undergraduate degree from

Harvard University and his doctorate from Oxford University, where he was a Rhodes Scholar. He joined the physics faculty of Cornell University in 1990, was appointed to full professor in 1995, and, in 1996, he became a professor of physics and mathematics at Columbia University.

Greene has lectured in more than 20 countries and is widely

known for a number of groundbreaking discoveries in superstring theory. His book was a finalist for the Pulitzer Prize, and it won Europe's top prize for a book on science.

Refreshments before the lecture will be served at 3:40 p.m., and a reception will follow the talk.

— Diane Greenberg

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 Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers of Other Languages Classes

Beginner, Intermediate, and 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: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/.

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Christine Carter, Ext. 2873.

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

Noon-12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Mondays: BNL Dance Club Ballroom, Latin & Swing Practice

5:30-7 p.m. North Ballroom, Brookhaven Center, except Lab holidays. Jean Logan, jlogan@bnl.gov or Ext. 4391.

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Monique de la Beij, 399-7656.

Tuesdays: BNL Music Club

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

Tuesdays: Singles Club

12:30-1:30 p.m., Berkner Hall. Contact: Jean, Ext. 4391.

Tuesdays: BNL Dance Club Individual & Couples Instruction

5-11 p.m. North Ballroom, Brookhaven Center. Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553.

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/default.htm.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Christine Carter, Ext. 2873.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Bldg. An infant/toddler drop-in event. Parents meet while children play. Svetlana Agafonova, 205-5065.

Wednesdays: Science Education Forum

Every other Wednesday, Noon-1 p.m., Bldg. 438. Discussion of issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murrin, Ext. 7171.

Wednesdays: Weight Watchers

Noon-1 p.m., Brookhaven Center South Room. Michael Thorn, Ext. 8612.

Wednesdays: Yoga Practice

Noon-1 p.m., Brookhaven Ctr. Free. Ila Campbell, Ext. 2206.

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Exercise 101

5:15-6 p.m., Rec. Bldg. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

Wednesdays: Dance Club Group Lessons

6-9 p.m. North Ballroom, Brookhaven Center. Series 4 lessons started 4/9. Marsha Belford, belford@bnl.gov or Ext. 5053.

Fridays: Family Swim Night

5-8 p.m. at the 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.

— FRIDAY, 4/25 —

NY Organ Donor Network

11:30 a.m.-1:30 p.m. Representatives from the NY Organ Donor Network will have brochures, enrollment kits. See also <http://organdonor.gov>.

Hispanic Heritage Club Meeting

1:30 a.m.-12:30 p.m. Berkner Hall, Room D. Today the club starts a BNL Hispanic Heritage Club membership campaign to run through May 30. BNLers who join the club during the campaign, will have the annual \$10 membership fee applied to a two-year membership. For more information, contact: Carmen Narvaez, Ext. 3254 or narvaez@bnl.gov; or Yvette Malavet-Blum, malavet@bnl.gov.

— THIS WEEKEND —

Saturday, 4/26

*Asian-Pacific Cultural Event

5-7 p.m., Berkner Hall lobby: arts & crafts, more. 7-9 p.m., Berkner Hall: music and dance. Tickets: \$10, adults; \$5, students and children age 12 & under. BERA Sales Office. See also page 4.

This Year, May Is BNL Facility Users' Meetings Month

2003 NSLS Annual Users' Meeting and Workshops

Monday-Wednesday, May 19-21
Registration on all days: Berkner Hall, Room D

— MONDAY, MAY 19 —

- Workshop 1 - *Frontiers in Powder Diffraction*
Bldg. 555, Hamilton Seminar Room
- Workshop 2 - *Spectroscopy in High Magnetic Fields: ESR, etc.*
Bldg. 463, Biology Seminar Room
- Workshop 3 - *Applications of Synchrotron Radiation: A Pathway, etc.*
Bldg. 911A, Snyder Seminar Room

— TUESDAY, MAY 20 —

2003 NSLS Annual Users' Main Meeting, Berkner Hall
Vendor Exhibit

— WEDNESDAY, MAY 21 —

2003 NSLS Annual Users' Meeting and Workshops

- Workshop 4 - *Bio-Matters: From Infrared to X-rays*
Bldg. 911A, Snyder Seminar Room
- Workshop 5 - *High Pressure Mineral Physics Using Synchrotron Radiation*
Bldg. 563, Biology Seminar Room
- Workshop 6 - *EXAFS Under Extreme Experiments Conditions, etc.*
Bldg. 555, Hamilton Room

For more information, go to
<http://nslsweb.nsls.bnl.gov/nsls/users/meeting/>



Roger Stoutenburgh 0018602

Gertrude Scharff-Goldhaber Prize For Two SBU Grad Students, 4/30

The 2003 Gertrude Scharff-Goldhaber Prize will be awarded to Carola Berger and Lilia Anguelova, graduate students at Stony Brook University, in a ceremony on Wednesday, April 30, at 4 p.m., in the Large Seminar Room of the Physics Department, Bldg. 510. BNL Distinguished Scientist Maurice Goldhaber will present the awards, which consist of a framed certificate and \$1,000 for each student. Berger and Anguelova will present short seminars on their research. Refreshments will follow the presentations and all are invited to attend.

Established in 1992, the annual Gertrude Scharff-Goldhaber Prize recognizes substantial promise and accomplishment by a woman graduate student in physics. Administered by Brookhaven Women in Science (BWIS), the prize honors the outstanding contributions of the late nuclear physicist Gertrude Scharff-Goldhaber, who, in 1950, became the first woman Ph.D. physicist appointed to the BNL staff, and, later, a founding member of BWIS.

For more information, contact Vinita Ghosh, Ext. 6226.

Money Talks Workshop, 5/14 Staying On Track in a Market Downturn

Join representatives from TIAA-CREF at noon in Berkner Hall on Wednesday, May 14, when they present "Staying On Track in a Market Downturn." Representatives will discuss initial reactions to market functions, remembering positive opportunities during downward movements, and other factors that can affect your wealth building. Check your mailbox for registration forms. For more information, contact Joyce Wund, Ext. 7516.

In Memoriam

James Grubber, who, as a reserve janitor, had joined BNL on April 28, 1958, died at age 66 on December 12, 2002. As a Plant Engineering Division rigger, he had left the Lab on long-term disability on October 4, 1986.

Robert Lynn, who had come to the Lab as an experimental machinist in the Central Shops Division on June 26, 1978, and had left as Tool & Instrument Maker Group Leader on April 4, 1999, died on December 16, 2002. He was 65.

Frances Scesny, who had joined the Physics Department as a typist on January 13, 1947, with life number 63, and after serving the Lab for 44 years, had retired as Personnel Representative from the Personnel Division on March 31, 1991, died on December 18, 2002. She was 74.

Randolph Logan, who had joined the Plant Engineering Division on July 2, 1973, as a custodian and had retired after 27 years of service on January 31, 1990, died on January 7, 2003. He was 77.

Martin Van Lith Sr., who had joined the Plant Maintenance Division on March 21, 1960, as a driver/messenger, and had retired from the Staff Services Division on May 31, 1978, as General Communications Clerk, died at 80 years old on January 8, 2003.

Frederic VanderVoort, who had joined BNL on December 16, 1946, as an administrative assistant, Class A, with life number 33, died on January 22, 2003, at age 87. On June 30, 1985, he had retired from the Physics Department as Senior Facilities & Property Management Specialist.

RHIC, AGS Users' Meeting, May 15-16

The Relativistic Heavy Ion Collider (RHIC) and Alternating Gradient Synchrotron (AGS) Annual Users' Meeting will be held at BNL on Thursday and Friday, May 15-16, 9 a.m.-5 p.m.

The meeting will feature reports from BNL management, the Department of Energy and the National Science Foundation. An American Physical Society representative will give a tutorial on how to speak to politicians and the general public about scientific issues.

In addition, the meeting will focus on:

- latest physics results from RHIC & AGS experiments
- plans for upgrades and future experiments
- recent theoretical developments.

A poster display will explore the diversity of projects at RHIC & the AGS. Students and post-docs are encouraged to submit posters, and a prize will be awarded to the best student/post-doc poster.

For more information, go to www.bnl.gov/userscenter.

Longwood HS's Rebecca Hersh Wins 'Science in Society' Essay Contest

Pictured below with Rebecca Hersh (third from left) of Longwood High School, BNL's Grand Champion of the 2003 "Science in Society" essay contest, are: Allan Gerstenlauer, Assistant Superintendent of Instruction & Learning of Longwood Central School District (LCSD); Deborah Hersh, Rebecca's mother; Mark Hersh, Rebecca's father; Andrew G. Tarantino Jr., LCSD Board of Education President; Candee Swenson, LCSD Superintendent; and Bruce Qua, Longwood High School science teacher.



Roger Stoutenburgh 0156003

The year is 2061 and you are 16 years old. You go to high school, talk with friends, and enjoy partaking in normal teenage activities. You are especially excited about receiving your driver's license. In two days, your mother is going to go with you to the DHPV (Department of Hydrogen Powered Vehicles) Office so that you can fill out the paperwork. You still find it odd, though, that you had to wait until you were 16 to legally operate a car. After all, it's only called a "driver's license" because it's tradition. Anyone today can operate one of these hydrogen-fueled cars, which run on voice activation and require nearly no effort on the part of the driver other than to input a location. — Rebecca Hersh, Longwood High School

This imaginative first paragraph of Rebecca Hersh's "The Day of a Teen in 2061" opened an essay that won her the Grand Champion prize of \$1,000 in BNL's 2003 "Science in Society" essay contest.

Hersh, who goes to Longwood High School and is taught science by Bruce Qua, was judged first among the 82 essay writers who participated in the contest from the following high schools: Academy of St. Joseph, Bay Shore, Central Islip, Hauppauge, Hicksville, Long Beach, Manhasset, Saint Anthony's, Sanford H. Calhoun, W.C. Mepham, and Ward Melville.

An independent panel, which included volunteers from Friends of Brookhaven (FOB) and a retired English teacher, judged the essays. Second-place winner was Anna So of Ward Melville High School. So, whose English teacher is Kerry Cowan, wrote on "The Future" to receive a prize of \$300.

The third prize of \$200 was awarded to Benedict Huang, who is also taught by Qua at Longwood. Huang's essay was entitled "Scientific Advances in the Year 2061."

Eight other high-school students won \$50 as honorable-mention finalists: Michael DiBiccari, Hauppauge; Neha Bodapati, Bay Shore; Laurie-Anne Haller, Manhasset; Stephanie Leventhal, Hauppauge; Frederick Liguori, Longwood; Gary Ribis, Sanford H. Calhoun; Ludi Rehak, Ward Melville; and Seth Shapiro, Bay Shore.

Kevin Manning, Office of Educational Programs (OEP), organized the essay contest, which was originally started by FOB and now is funded by BSA. At the award ceremony held at BNL on March 14, the finalists read their essays, which are now available on the Web at www.bnl.gov/scied/contests/essay/Winners_2003.html.

— Liz Seubert



Donating an Organ Can Save a Life

In 2002, approximately 24,800 organ transplants and 33,000 corneal transplants took place in the United States. However, the current rate of donation is almost totally inadequate. An estimated 81,000 people are on the national organ transplant waiting list, but, on an average day, only 68 individuals will receive a transplant.

BNL employee Arlene Lombardi in BNL's Office of Intellectual Property & Industrial Partnerships beat the odds. She underwent a kidney transplant on February 25, at Stony Brook University Hospital. The donor was her husband Bob, who is a BNL employee in the Safeguards & Security Division.

Says Arlene, "I was fortunate because after much testing, the doctors found that my husband was a compatible match. Bob's blood type and antigens met the criteria needed to ensure my positive response to the transplant."

Arlene's physician has called the surgery a success and Arlene plans to be back to work in a few months. Bob is scheduled to re-

turn to work in mid-May.

Arlene needed the transplant because she is one of many people who suffer from hereditary polycystic kidney disease. Some of the symptoms of this disease include chronic low back pain and cysts that develop on the kidneys and destroy the normal kidney tissue. Without a transplant, she would have had to spend the rest of her life on hemodialysis. This procedure performs the normal kidney function and helps to filter toxins from the blood. Many people with kidney disease face spending hours on a dialysis machine several times a week.

Says Arlene, "There is no way to thank someone, not even your spouse, for the gift of life. I am fortunate, and I hope our story encourages employees to consider organ donation."

Another successful organ transplant story at BNL took place in August 1999 when Richard DeRocher of BNL's Quality Programs and Services Division had a kidney transplant (see The Bulletin, May 12,

2000). Since 1999, DeRocher has been involved in the Transplant Recipients International Organization (TRIO), which provided him with public speaker training. DeRocher is also a member of the NY Organ Donor Network. He now speaks at local schools, churches and civic groups to people who are looking for information on transplants or considering organ donation.

Says DeRocher, "I feel great and continue to lead an active life-style. I think it is important to share my story and raise public awareness on organ donations."

If you would like additional information about TRIO, call DeRocher at Ext. 7013.

To encourage organ donations, representatives from the New York Organ Donor Network will be in the lobby of Berkner Hall today, April 25, 11:30 a.m. - 1:30 p.m., with brochures and organ donor enrollment kits. For more information on organ donations go to <http://organ.donor.gov>. — Jane Koropsak

U.S. Open Bus Trip

Some seats remain for the BERA Tennis Committee's bus trip to the U.S. Open Tennis Championships at the National Tennis Center in Queens, on Tuesday, September 2.

The bus will leave at 8:30 a.m., with a stop at the LIE exit 63, and depart from the National Tennis Center at 7:30 p.m. The \$62 per person cost includes the \$44 ticket, the bus fare and a tip for the driver. Buy tickets at the BERA Sales Office, 9 a.m.-3 p.m.

Fire Hydrant Flushing Week Of April 28

To improve the quality of BNL water delivered to the consumer's tap by eliminating "rusty" water, the Lab's fire hydrants will be flushed Monday through Friday, April 28 through May 2, as follows:

- Monday, 4/18: Rutherford and Lawrence Drives
- Tuesday, 4/29: Upton Road through the apartment area
- Wednesday, 4/30: Cornell Avenue and its cross streets
- Thursday, 5/1: Brookhaven Avenue
- Friday, 5/2: Bell Avenue

Before drinking or using water during and after hydrant flushing, run the water in the sink, fountain, or shower to flush discolored water from the tap. In some places, you may have to run the water for up to 10 minutes until the water runs clear.

To make sure that discolored water is not used for washing clothes, the laundries in the apartment area and in Curie and Cavendish Houses will close at 8 a.m. on Tuesday, April 29. The laundries will reopen on Wednesday, April 30, at 10 a.m., at which time the washing machines will be ready for use with clean water. For more information, call Bill Chaloupka, voice pager 0552.

Arrivals & Departures

Arrivals

Phyllis Lombardi Staff Services
Deborah Snyder Medical

Departures

Patrice Pages CEGPA

Salad Bar Dinner

The Hospitality Committee invites all visitors, guests and their families to a Salad Bar Dinner on Friday, May 9, at 6 p.m. in the Recreation Hall. Everyone is asked to bring two, or more, favorite salad ingredients — not mixed together — for six to eight people. Bread, dressing, vinaigrette, greens, and drinks will be supplied.

For more information, call Monique de la Beij, 399-7656.

Badge Protocol

The Safeguards & Security Division reminds all who wear Lab badges that to wear badges properly is an important security measure, regardless of the level of security alert status.

BNL procedures require that all employees, guests, visitors, and contractors wear their badges at all times while on site and have the badges available when out exercising. Further, DOE regulations state that badge holders are responsible for:

- Maintaining the badge in good condition and protecting its integrity by ensuring that it is not altered, photocopied, counterfeited, reproduced, or photographed. A badge left visible in an unattended vehicle is at risk for theft and unauthorized reproduction.
- Wearing the badge photo side out, above the waist, on the front of the body.
- Returning the badge according to local procedures when it is no longer valid or required.

NCBI Training

On Thursday, May 22, the National Center for Biotechnology Information will present "A Field Guide to GenBank and NCBI Molecular Biology Resources at BNL," a one-day workshop on the use of databases and search engines, e.g., Entrez, Blast, and related resources. All are welcome. To register, contact Sean McCorkle, mccorkle@bnl.gov. For workshop schedule, locations, see <http://protein.nsls.bnl.gov/news/getnews.jsp>. For workshop content, see www.ncbi.nlm.nih.gov/Class/FieldGuide/.

Potluck, Karaoke, U.S.O. Dance, 5/23

On Friday, May 23, the BNL Social & Cultural Club (SCC) and the BERA Asian Pacific American Association (APAA) will hold their 2nd Annual Potluck Dinner and Karaoke, 5-8 p.m. at the Recreation Hall. Bring your favorite ethnic dish, enough to share with six people.

At 8 p.m., a dance social with the theme of the United States Officers' (U.S.O.) Dance Party will begin at the Brookhaven Center North Ballroom, to live music by the 18-piece big band "Memories of Swing." Dancers in big-band era attire may compete for the "best costume" prize.

This event is organized by the SCC and Swing Dance-Long Island, with support from the APAA, as part of the celebrations of the Asian Pacific American Heritage month in May.

Admission is \$10 for members, \$15 for nonmembers. Buy tickets at the BERA store at Berkner, or during TGIF dance socials on Friday nights at the Center. For more information, contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov, or visit www2.bnl.gov/rudy/social.

Celebrate 12th Year Of BNL Toastmasters

The BNL Toastmasters Club, member of Toastmasters International and BERA, is celebrating its 12th anniversary on May 6th at 5:30 p.m. in the Recreation Hall where a light supper will be served. Guests and previous members are especially invited to attend this celebration. Established in 1991, BNL Toastmasters Club is open to all adults both inside and outside the BNL community.

Toastmasters International has more than 8,000 chapters worldwide. The goal of this nonprofit organization is to promote effective communication and leadership skills through public speaking. The mission of BNL's Toastmasters Club is to provide a mutually supportive and positive environment in which every member has the opportunity to develop communication and leadership skills, which in turn foster self-confidence and personal growth.

If you plan to attend the celebration, then RSVP to Brian Boyer, Ext. 3370 or Amy Halsted, 591-4232, by Friday, May 2. For more information, consult the club's web site at www.bnl.gov/bera/activities/toastmstrs/.

Try the BERA Store

At the BERA store, open from 9 a.m. to 3 p.m. in Berkner Hall, you will find gifts, cards, souvenir items, gift certificates, reservations for trips, and more. Some examples are: Discounted tickets for Splash waterpark. Adult: \$22.99 (saves \$5); seniors over 62 and children: \$17.99 (saves \$3); Under 3 years: free; PERKS card: local and national discounts; Yankee game ticket, \$55 — at the 6/13 game, you'll get a free Yankee key-chain/bottle opener; on-site summer camp: sign up now for on-site children and BNL employees' children.

Hispanic Heritage Club Meeting Today

BNL's Hispanic Heritage Club will meet today, Friday, April 25, in Berkner Hall, Room D, 11:30 a.m.-12:30 p.m. For more information, see Calendar, page 2, or contact Carmen Narvaez, Ext. 3254 or narvaez@bnl.gov.

More Phone INFO

As of May 1, BNL's INFO hotline, 344-4636, will have much more "info" available. This convenience is designed principally to help those without access to the Web.

On dialing 344-4636, you will hear the header "Welcome to BNL," and a statement that the Lab is open or otherwise, according to circumstances. Then, you will hear a prompt to press:

- 1 for language help
- 2 for this week's events
- 3 for directions, transportation, access & on-site garage
- 4 for food service
- 5 for hospitality/welcome
- 6 for recreation & child care
- 7 for mail, internet & banking
- 8 for BNL weather
- 9 for questions & feedback

At any time, you may press the "*" or "star" key to go back to the main menu.

This information is available on a card which will be distributed, as well as on posters, flyers, and phone stickers.

Calendar

(continued)

— WEEK OF 4/28 —

Tuesday, 4/29

Environmental Stewardship Awards
3:30 p.m., Berkner Hall. The Lab will award employees for outstanding effort in pollution prevention, waste minimization, conservation. All are welcome.
'Your Environment' Art Awards
3:30 p.m., Berkner Hall. The Lab will recognize students for creative posters relating to the L.L. environmental protection theme. All are welcome.

Wednesday, 4/30

Science Education Forum
Noon-1 p.m., Bldg. 438. All are welcome to join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

Thursday, 5/1

***BSA Distinguished Lecture**
4 p.m., Berkner Hall. Lecture presented by Brian Greene, Professor of Physics and Mathematics at Columbia University. See story on page one.

Friday, May 2

Reception for BNL Director
4-7 p.m., Berkner Hall. BNL staff, facility users, community members, all are welcome.

Saturday, 5/3

***BERA Fishing Trip**
8 a.m.-3 p.m. Boat leaves from Mattituck. \$48/person, reserve at BERA Sales Office. See notice, page 4. Andrea Dehler, Ext. 3347, dehler@bnl.gov.

Sunday, 5/4

N.Y. Chinese Scholar's Garden Bus Trip
All seats taken. Samantha Lin, Ext. 3471.

— WEEK OF 5/5 —

Tuesday, 5/6

***Toastmasters Celebration**
5:30 p.m., Rec. Hall. The BNL Toastmasters Club celebrates its 12th anniversary. See notice above, left, and consult the club's web site at www.bnl.gov/bera/activities/toastmstrs/.

Thursday, 5/8

Money Talks Seminar
Noon, Berkner Hall. A Fidelity Investments representative will present "Planning Your Retirement Income," on how to: help your income better meet expenses in retirement, determine the appropriate distribution options for you, invest appropriately before and after retiring. Contact Joyce Wund, Ext. 7516.

Community Advisory Council Meeting
6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see <http://www.bnl.gov/community/CAC.htm>.

Friday, 5/9

***Hospitality Salad Bar Dinner**
6 p.m., Rec. Hall. The Hospitality Committee invites all visitors, guests, and their families. Bring two salad ingredients (NOT mixed), for 6-8 people. Bread, dressing/vinaigrette, greens, drinks will be supplied. See also notice at left. Monique de la Beij, 399-7656.

— WEEK OF 5/12 —

Tuesday, 5/13

Asian Pacific American Heritage Talk
Noon-1 p.m., Berkner Hall. Award-winning journalist and author Helen Zia will present "The Parallel Universe of Asian Americans: Moving our 'Missing In History' Stories From Margin to Center." Lecture attendees will be able to purchase Zia's books, *Asian American Dreams* and *My Country Versus Me*. Zia will be available after the lecture for book signing.

Wednesday, 5/14

***Money Talks Workshop**
Noon, Berkner Hall. TIAA-CREF. See notice, page 2.

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.

Ahhhh — Just Feel That Sun on Your Back!



The long-awaited warmth of spring is not just a myth, or so these little turtles climbing out of the water to sun themselves seem to demonstrate. They were spotted last week by Lab Photographer Roger Stoutenburgh on site in a marshy area near the Peconic.

Roger Stoutenburgh 02540403



Volunteers are needed for the William Floyd Community Cleanup Day on Saturday, April 26. Anyone who would like to help collect litter along streets in Mastic, Mastic Beach, Shirley and Moriches may pick up gloves and bags outside the William Floyd High School Library from 9 a.m. to 3 p.m. on the day of the cleanup.

For more information or to volunteer, contact Jeff Williams, Ext. 5587 or jwilliams@bnl.gov.

This cleanup effort, initiated by Williams, Environmental Services Division, is sponsored by BSA's Volunteers in Partnership (VIP) program. VIP can help BNL community volunteers in a variety of ways. For more information, see www.bnl.gov/community/vip/body.htm.

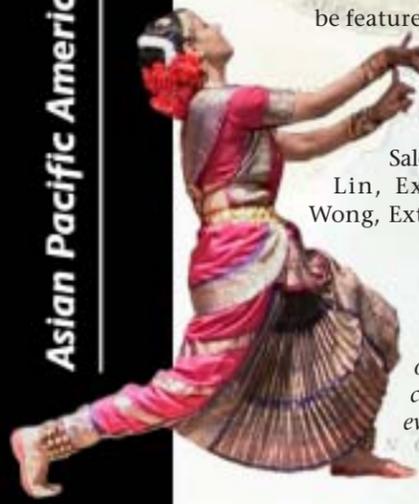
Volunteers Needed

Normal, healthy volunteers who are at least 20 years old are needed to participate in medical-imaging studies conducted by BNL's brain-imaging program. The aim of these studies is to understand the function of the normal human brain.

Results from the imaging of normal individuals' brains will then be compared to results from studies of people with diseases such as alcoholism, drug addiction, obesity, and degenerative diseases. A fee will be paid, and participants' confidentiality will be maintained. For more information, call Pam Betti, (631) 344-5015.

Asian-Pacific Event Tomorrow, 4/26

BERA's Asian Pacific American Association will sponsor a cultural event tomorrow, on Saturday, April 26, in Berkner Hall. Arts, crafts, displays, and demonstrations will be shown in the lobby, 6-7 p.m. Then, in the auditorium, 7-9 p.m., music and dance from China, Japan, India, Korea, the Philippines, and other Asian countries and cultures will be featured. Buy tickets, at \$10 for adults, \$5 for children of 12 and under and students with ID, at the BERA Sales Office, or from Beth Lin, Ext. 3372, or Susan Wong, Ext. 7988.



For a complete listing of Asian Pacific American Heritage Month events, see www.apaa.bnl.gov/apahm.htm.

Mother's Day Candles Help Diabetes Research

"Candles for a Cure" is an American Diabetes Association (ADA) fund-raiser that raises money for ADA research and advocacy.

This year, for Mother's Day on May 11, the ADA will sell Yankee candles and Mother's Day bears. Buy them together for \$20, or separately for \$15 each. Make paid orders for candles and bears to benefit ADA at the BERA Sales Office, 9 a.m.-3 p.m.

BERA Camera/Microcomputer Clubs, 5/1

Sponsored by the BERA Camera and Microcomputer Clubs, a demonstration of photo manipulation advanced tricks and shortcuts using Adobe Photoshop 7.0 will be given in Berkner Hall, Room B, noon to 1 p.m., on Thursday, May 1. For more information, call Ripp Bowman, Ext. 4672, or Steve Stein, Ext. 5694.

Motor Vehicles & Supplies

01 SUBARU OUTBACK LTD - all power, 155K mi., too many extras to list, immaculate cond., \$19,000. Austin, 363-2795.

01 YAMAHA ROADSTER SILVERADO - 1600 cc, saddle bags, 4,500 mi., windshield, excel. cond., \$9,750. Peter, 645-5844.

98 HONDA CIVIC DX - black, CD player, 66K mi., new tires, brakes, exhaust, \$6,900. Lloyd, 664-6768.

97 FORD TAURUS - all power, 66,500 mi., good cond., \$5,500. Ext. 2836 or 395-5839.

97 HONDA ACCORD - red, all power, special edition, 99K mi., dealer serviced, excel. cond., \$8,500 obo. Dean, Ext. 7239 or 874-7347.

97 NISSAN MAXIMA GXE - all power, 74,500 mi., excel. cond., \$7,500. Bonnie, 878-6016.

96 FORD CONTOUR - p/w, p/l, p/s, p/b, good for student or commuter, excel. cond. Dave, Ext. 4798 or 924-6575.

96 FORD T-BIRD - black, V6, loaded, grey leather, new tires, new brakes, hwy. mi., mint cond., \$5,500 neg. Keith, 827-2275.

96 PONTIAC GRAND AM - black, a/t, p/s, p/w, V6, 100K mi., \$2,700. Ext. 4803 or 1110.

95 CHEVY CORVETTE - white/black, coupe, 6-sp.d., 75K mi., mint cond., \$14,500. Tim, 369-5597.

95 FORD ESCORT - a/t, a/c, p/s, 92K mi., excel. cond., brand new tires & timing belt, \$2,800. Rachel, Ext. 8331 or 399-2417.

95 FORD T-BIRD - all power, V8, sunroof, good cond., 121K mi., \$3,900. Jamal, Ext. 5805 or 804-2959.

95 LINCOLN CONTINENTAL - fully loaded, leather int., 74,800 mi., excel. cond. in & out. Kathy, 286-2036.

95 YAMAHA BLASTER - ATV, runs well, FMF pipes, new grab bar, ITP rims on rear. Kevin, 369-1977.

92 FORD CROWN VICTORIA - 4 wheel ABS, dual front air-bags, p/b, p/s, a/c, am/fm stereo, well maint., just inspected, 150K mi., \$2,000. Gianluigi, Ext. 5336 or 360-2775.

92 FORD TAURUS - a/t, a/c, p/s, p/b, 171K mi., many new parts, runs well, clean in & out, dependable, good student station car, \$850. Lenny, Ext. 5262 or 807-4556.

75 MERCEDES BENZ 450SL - silver, a/t, 132K mi., blue int. & top, 2 tops, runs well, needs some work, \$5,500. Robert, Ext. 2516.

ENGINES - Smallblock 340 Mopar, rare original, best offer. Charles, 727-0488.

KAWASAKI MOTORCYCLE - 440, needs some TLC, \$350. Don, 345-6279.

LADDER RACK - Kargomaster fits Chevy ext. cab w/cap, new cond., cost. \$550, ask. \$250. John, Ext. 7268 or 732-7568.

WHEELS - for Chevy Tahoe 02 Tahoe 265-70R16 tires & rims (set) for sale, \$900 or \$225/ea. Steven, Ext. 8705.

Boat & Marine Supplies

27' BAHA 271 FISHERMAN - '98, Volvo 7.4 L Stern Drive, 350 h.p., maint. by prof. marina mechanics & in top cond., \$36,000. 776-7843.

22' WESTERLY SAILBOAT - twin keel, fiberglass, clean, newly painted, many extras, needs some work, \$2,500. 744-3569.

SUNFISH - \$800; anchor, mushroom, 100 lbs., \$35. Meyer, Ext. 2169 or 286-8350.

TRAILER - for up to 21' boat, Calkins Mfg. w/bunks, not rollers, \$700. Lew, 286-8166.

OUTBOARD - Seagull, long shaft, 5 hp, model #WSPOL, at least 20 yrs. old, but works well, well maint., \$500. 286-5897.

Furnishings & Appliances

AIR CONDITIONER - window unit, small, 5400 Btu/H. Kenmore, works well, 2 years old, \$50. Tom, Ext. 4396.

BED - European style, wood, single w/another pullout bottom bed, will e-mail picture, best offer. Peter, Ext. 4982.

BEDROOM SET - white, double dresser, nightstand, desk w/hutch, glass tops for dresser & nightstand, \$550. Joe, Ext. 4826 or 821-3762.

BEDROOM SET - antique maple dbl. bed, dresser, nightstand, \$400; black wrought iron day bed w/sing. matr., \$100; queen matr., boxspring, frame, \$200. Mary, Ext. 6344.

BEDROOM SET - custom, queen size Mica, armoire, triple dresser w/mir., 2 nightstands, storage headboard, bed platform, excel. cond., \$1,000 obo. Michael, 447-7879.

CEILING FAN - Hunter baseball fan, model #21841, brand new, in box, never opened, cost \$160, ask. \$100. Chris, Ext. 7365 or 472-3488.

COMPUTER DESK - 60"x20", keyboard pullout, shelves, file drawer, CPU space, assembled, v.g. cond., \$50. Bob, 928-1806.

DINETTE SET - solid light oak, 54" round table w/ 4 high-back floral cushioned chairs, excel. cond., \$400. Linda, 209-9502.

END TABLES - 2 hexagonal cabinets w/ glass tops, 22" wide, 22" high, dark brown wood, v.g. cond., \$50. John, Ext. 7268 or 732-7568.

END TABLES - 2, oak, 24x28, \$40; pine stereo cabinet, 42x21x30, \$25; hi-riser sofa, expands to queen, \$50, all excellent cond. Bob, 928-1806.

KITCHEN TABLE - pedestal, good cond., \$75. Rex, 205-0373.

MATTRESS - & boxspring, 3 years old, full size, bed frame, \$100. Tom, Ext. 4396.

SCHOOL DESK - child's, antique, \$15. Bob, Ext. 4637.

TABLE - w/2 chairs, patio/cafe-style, metal w/wicker like top, excel. cond., picture avail, cost \$200, ask. \$90. Lesliam, Ext. 4772 or 871-7511.

TODDLER BED - oak w/mattress & Winnie the Pooh bedding, \$40; 2 brand name sofa beds, \$150/ea. Drexel fruitwood lamp table w/drawer, \$75; color TV, \$40. Lisa, Ext. 7365.

WATERBEDS - 2 queen, tube type, individual bladders, boxsprings, pillow top, new, \$300/ea. or \$500/both obo. Keith, 827-2275.

Tools, House & Garden

AIR COMPRESSOR - Sears, 30 gal., 5 h.p., 10/220 volt w/hoses, \$150; car ramps, \$20. Rex, 205-0373.

DROP LIGHT - fluorescent, pro-reel, w/40' cord on self-winding reel, new in box w/manual, \$20. Peter, Ext. 2913.

LEAF VAC SHREDDER - Goat, runs well, no bag, \$40. Rich, Ext. 4201.

ROTOTILLER - Troy-Built rear-tine, 7 h.p. Kohler eng., snow dozer, \$300. Meyer, Ext. 2169 or 286-8350.

SWIMMING POOL - 15 ft. round, w/ladder, liner, filter, 6 yrs. old, disassembled, you pick up, \$350 neg. Kenneth, Ext. 5110 or 281-0843.

SWING SET - slide, swing, baby swing, 2 child swings, galv., good cond., can deliver, \$65 neg. wt. bench, st. bar curl bar, some wts., \$60. 698-1184.

SWING SET - wood, 2 swings & baby swing, slide & covered play area, approx. 3 yrs. old, you take down, \$100. Chris, Ext. 7365 or 472-3488.

Sports, Hobbies & Pets

BICYCLE - women's Raleigh Grand Prix, 10-spd. racer, quick-release wheels, generator, excel. cond., \$50. 473-6546.

BICYCLE - Panasonic, 10-spd., \$50. Jody, Ext. 4127.

BIKE - BMX, Haro 4130 Gyro, street tires, Sun rims, Primo seat. Kevin, 369-1977.

SWING SET - slide, swing, baby swing, 2-child swing, galv., good cond., can deliver, \$65 neg.; weight bench, st. bar, curl bar, some weights, \$60. Wayne, 698-1184.

TREADMILL - Proform Crosswalk, 2.5 h.p., 10.0 mph, upper body arms, folds up, pers. trainer elec., cushion deck, 6 yrs. old, manual, you pick up, ask. \$250. Bill, 452-1726.

TREADMILL - Sear's Lifestyler Expanse 1000, 2 h.p., 0-10 mph, run, walk, incline, all programmable, timer, miles, 5 yrs. old, v.g. cond., \$130. Bob, 928-1806.

WORK BENCH - 5-position, w/benchpress rack, butterfly arms, leg extension, leg curl lever, workout guide, brand new, cost \$110, ask. \$70. Lesliam, Ext. 4772 or 871-7511.

Audio, Video & Computers

STEREO RECEIVER - Pioneer, A/V, Dolby pro-logic surround sound, 265W, cost \$400, ask \$125, excel. cond. Ed, Ext. 2697.

TELEVISION - Zenith, 32", good cond., \$500. Sande, 345-6279.

TELEVISION - Quasar, 13", color, good picture, \$40; VCR, Sanyo, no remote, works well, \$20. Bill, 452-1726.

WIRELESS PC CARD - D-Link DWL-650, wireless PC card, brand new, \$30; 2 Linksys 10/100 NIC, \$5/ea. Ext. 5278 or 395-5474.

Miscellaneous

BARBIE DOLLS - 8, Harley Davidson, mint, in box, never removed, incl. first one. Victoria, Ext. 5036.

COAT - Persian wool, black, 3/4 sleeve, knee length, \$100. Jody, Ext. 4127.

HIGH CHAIR - Fisher Price, full-size, good cond., \$20. John, Ext. 4028.

NOTECARDS - beautiful, unique, original, check out www.just-thinking-sf.com, call to save on shipping. Ed, Ext. 2007 or 751-1474.

TEXTBOOKS - molecular cloning, antibodies, biochemistry, molecular biology of the cell & gene, others, recent editions, new cond., \$5-15. Peter, Ext. 2913.

TOYS - Fisher Price, light castle & accessories, cost \$75, ask. \$30; Pirate Ship & access., like new, \$15; Jane Fonda exercise step. Lloyd, Ext. 5225.

WATER COOLER - excel. cond., \$30. Mark, Ext. 7978 or 744-9308.

WEDDING DRESS - Demitrios, size 10, runs small, not worn/altered, embellished tank neck, flowing mermaid train, \$1,200 new, best offer. Victoria, Ext. 7705 or 345-2566.

Wanted

BOAT TRAILER - for 21' boat. 878-3112.

HUNTING RELATED ITEMS - looking to purchase guns & old decoys, fair prices paid. Paul, Ext. 5829 or 289-9152.

PINATAS - unique, all occasions, all characters, cartoon, Disney, Sesame Street. Donna, 821-0359.

PEOPLE - interested in a "Garden Swap." BERA may sponsor a coordinator to organize the exchange of plants, cuttings, etc. Call Chris Carter, Ext. 5090.

RENTAL - week long, during the summer, in early August, seeking furnished house/apartment for visiting family of 4. Elizabeth, Ext. 6073.

RESEARCH VOLUNTEERS - healthy men and women, ages 18 and over, are needed for MRI study. Strictly confidential, fee provided. 344-2773.

RIDE - backup ride needed from Middle Island to BNL, for 8:30 a.m. Jennifer, Ext. 7300 or 345-3425.

BERA Fishing Trip

Join BERA's fishing trip aboard the *Captain Bob*, sailing out of Mattituck at 8 a.m. sharp on Saturday, May 3. Tickets at \$48 per person include: boat, bait, tackle, fishing rods, and initial tip for the mate. The boat returns at 3 p.m. Make paid reservations and get directions to the dock at the BERA Sales Office, 9 a.m.-3 p.m. Contact Andrea Dehler, Ext. 3347 or dehler@bnl.gov, or Sue Cataldo, Ext. 4461 or cataldo@bnl.gov for more information.

WalkAmerica

On Sunday, April 27, join the BERA team as a walker or a contributor to the annual WalkAmerica to raise funds that will help improve infant health. Locations, registration forms, and sponsor sheets are available at the BERA Sales Office, 9 a.m.-3 p.m.

TRAINS - Lionel, American Flyer & others, cast metal toys, high cash paid, also have some sets for sale. Bruce, 924-4097.

Free

CAR REMOVAL - cars, trucks & motorcycles removed free. Rich, Ext. 4201 or 589-9103.

ENGINES - Chevy 350. Charles, 727-0488.

MULTI GYM - Gold's Gym, 175 lb. steel weight stack, seated leg press station plus arm press, butterfly, leg extension, curl station, etc. Victor, 580-1432.

TREES - Star Magnolia & Holly, both are about 9' high, you dig them up and they are yours. Rich, Ext. 7013

Yard & Garage Sale

ST. JAMES - 4/26, 9 a.m. - 4 p.m., 8 Clover Lane, something for everyone. 584-3830.

Community Involvement

SOUP KITCHEN NEEDS HELP - Three Island INN, Mid. Island, desperately needs help with rent, garbage disposal, etc., expenses. Contact B. Royce, Ext. 2098 or Royce@bnl.gov for more information. No donation too small.

Announcements

Farewell gathering for Michael Carroll, Dan Harrow, & Linda McCarthy, 5/16, 5 p.m. at firehouse, \$20/person incl. gifts, buffet, beer, wine, soda. RSVP before 5/5. 344-2351.