

Invitation! Research Support Building Ribbon Cutting, 10/27

All employees are invited to attend a ribbon-cutting event at the new Research Support Building on Friday, October 27 at 10:30 a.m. The building will be open for a limited time after the event, so attendees will also be able to get an idea of how it looks from the inside. The research support staff groups that will be moving there will include: BERA; much of the Community, Education, Government & Public Affairs Directorate; the Diversity Office; the Fiscal Services Division, including the Cashier; most of the Human Resources & Occupational Medicine Division; Staff Services, including the Housing, Transportation, and Travel Offices; the Teachers Federal Credit Union; and a central check-in office for guests, users, and visitors.

Light refreshments will be available prior to the event.

Joseph Rubino D6271006

Chi-Chang Kao Named NSLS Chair

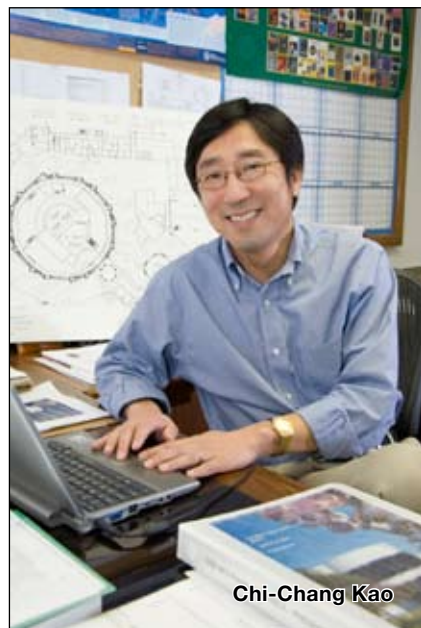
Chi-Chang Kao, a physicist and leader in synchrotron light research, has been named Chair of the National Synchrotron Light Source (NSLS) Department, effective October 1. Kao had served as interim NSLS Chair since mid-January, after Steve Dierker stepped down to lead the development of the National Synchrotron Light Source II (NSLS-II), a proposed scientific user facility that would produce x-rays more than 10,000 times brighter than the current NSLS.

One of the world's most widely used and productive scientific facilities, the NSLS has 175 employees and a user-community of about 2,200 researchers a year from more than 400 universities, laboratories, and companies. Commissioned in 1982, the NSLS has yielded advances in such diverse fields as biology, physics, chemistry, geophysics, medicine, and environmental and materials science. Its annual budget is about \$40 million.

"Chi-Chang is an internationally recognized scientist with a remarkable talent for bringing people together and growing scientific programs," said Dierker, the current Associate Laboratory Director for Light Sources. "I can think of no better choice than Chi-Chang to lead the NSLS forward."

As Interim Chair during the past nine months, Kao produced a five-year plan for the future development of the NSLS. With input from the user community, NSLS staff, and BNL researchers, the plan identifies a number of exciting scientific opportunities,

(continued on page 2)



Chi-Chang Kao

Roger Stoutenburgh D4541006

BNL's NNDC Celebrates Milestone — One-million-plus database retrievals in FY2006

The Lab's National Nuclear Data Center (NNDC) had good reason to celebrate this month — in Fiscal Year 2006 the Center has provided over one million successful database retrievals to its users. Notably, the usage of the NNDC database has almost doubled over the last two years.

Says Peter Bond, Deputy Director for Science & Technology, "With the support of DOE's Office of Nuclear Physics and DOE Under Secretary of Science Ray Orbach, the NNDC has continued to play an important role in the dissemination of nuclear data information in the national and international arena. It is no small feat that this team has successfully made it feasible for users to make one million database retrievals."

The primary mission of the Center is to collect, evaluate, and disseminate nuclear physics data for basic research and applied nuclear technologies. Pavel Oblozinsky of the Energy Science & Technology Department (EST), who heads the NNDC, says, "It is critical that the database is maintained at the highest standard so that the credibility and accuracy of the information is absolute. The quality service our staff provides is

appreciated by our users."

Oblozinsky is grateful for the DOE support that makes this service possible. "We owe a great deal to Dennis Kovar, an Associate Director in DOE's Office of Nuclear Physics. His office directly sponsors the US Nuclear Data Program, of which the major part is the NNDC," he says.

Future Development

While Oblozinsky considers the one million database retrievals to be a great milestone, he is also looking forward to another historically important event. "This December, the NNDC expects to release a US electronic data library for nuclear technology that will be useful for decades," he says.

Some History

The NNDC has a long history. Originally established at the Lab in 1952, the center has been providing nuclear physics data for over 50 years. The information became available electronically in 1986, and available via the web in 1994.

At first, the Center established its reputation within the Physics Department under the name Brookhaven Neutron

(continued on page 2)

Three BSA-Sponsored George B. Pegram Lectures On History, Philosophy of Physics, 11/2 & 3 Talks by Peter Galison of Harvard



Peter Galison, Pellegrino Professor of the History of Science and Physics at Harvard University, will give a series of three lectures in Berkner Hall on the history and philosophy of physics. On Thursday, November 2, at 4 p.m., he will discuss "Einstein's Clocks, Poincaré's Maps," and on Friday, November 3, he will give two lectures: one at 11 a.m. about the restructuring of modern physics, titled "The Pyramid and the Ring," and another at 4 p.m. — a brief history of scientific objectivity from the 19th century to the present, titled "Picturing Objectivity."

Sponsored by BSA through the George B. Pegram Lectureship Series in which distinguished scholars examine topics of both scientific and general interest, the free lectures are open to the public. Visitors age 16 and over must bring a photo ID.

In the November 2 lecture at 4 p.m., Galison will discuss how the world-famous physicist Albert Einstein and Henri Poincaré, a well-known nineteenth-century mathematician and theoretical physicist, were able to develop the insights that led to their groundbreaking discoveries in special relativity, which describes the motion of particles at close to the speed of light. Galison asserts that they

were both immersed in practical jobs that brought them in close contact with new developments in science and technology. Einstein's job in a patent office located him squarely in the middle of a wealth of technological developments and patents related to the coordination of clocks. Working at the Paris Bureau of Longitude, Poincaré was involved with the use of precision-coordinated clocks for long-distance longitude determination.

The second lecture, on November 3 at 11 a.m., will focus on the restructuring of physics in modern times. Galison maintains that certain branches of research that are generally thought to be physics are not considered part of the discipline by some scientists. For example, string theory is accused of being too far from experiment and closer to mathematics or philosophy than physics, and nanoscience is accused of being too close to engineering and not basic enough to be physics. Galison believes that the discipline of physics is changing, moving from a pyramid-like structure with fundamental physics at the top, to something more like a ring, with connected parts but no universally accepted center.

In his final talk, at 4 p.m. on November 3, Galison will discuss the history of scientific objectivity, from

(continued on page 2)



With Lab Deputy Director for Science & Technology Peter Bond (right) and Energy Science & Technology Department Chair William Horak (second from right) are BNL's National Nuclear Data Center (NNDC) staff members: (from left) Dimitri Rochman, Said Mughabghab, Tom Burrows, Marion Blennau, Joann Totans, Nedy Santiago, Mike Herman, Ramon Arcilla, Alejandro Sonzogni, Boris Pritychenko, Jagdish Tuli, David Winchell, and NNDC Head Pavel Oblozinsky.

Roger Stoutenburgh D1121006

CALENDAR
OF LABORATORY EVENTS

- The BERA Store 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 #317 (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: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

Mondays: Pilates/Yoga
12:15 p.m., Rec. Hall. Ext. 5090.

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

Mon., Tue. & Thu: Ving Tsun Kung Fu
Noon-1 p.m., Brookhaven Center, North Room. Taught by Master William Moy, Tuition. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

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

Tues. & Thurs: Jazzercise
Noon, Rec. Hall. Ext. 5090.

Tuesday & Thursday: Aerobic Fitness
5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, flood@bnl.gov.

Tuesday & Thursday: Aqua Aerobics
5:15 p.m., Pool. Ext. 5090.

Tuesdays: Welcome Coffee
10 a.m.-noon, apartment area gazebo. 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. Gym. All levels, ages 6 and above. \$10/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/.

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

Wed. & Fri: On-Site Play Group
10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. Arup Ghosh, Ext. 3974; Donna Grabowski, Ext. 2720; or Vinita Ghosh, Ext. 6226.

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: Pilates/Yoga
5:15 p.m., Rec Hall. Ext. 5090.

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
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

CIGNA at BNL, Mondays

On Mondays, 10 a.m.-1:30 p.m., Janice Petgrave, CIGNA, will be available by appointment only to assist CIGNA participants with claims issues that they have been unable to resolve themselves. To schedule a 30-minute appointment in Bldg. 185, call Linda Rundlett, Ext. 5126. Bring all pertinent documentation to the meeting.

BNL's Environmental, Safety, Security, Health Policy

“My goal is to get everyone to take an active part in helping the Lab protect its people, property, and the environment.”

— BNL Director Sam Aronson

BNL is a world leader in scientific research and strives to demonstrate excellence in protecting people, property, and the environment. A vital part of the Lab's excellence depends on its environmental, safety, security, and health (ESSH) policy.

Lab Director Sam Aronson, working with the Brookhaven Policy Council and using feedback from BNL employees,, recently revised the policy to make it simpler and clearer.

Says Aronson, “My goal is to get everyone to take an active part in helping the Lab protect its people, property, and the environment. I expect every employee, contractor, and guest to take personal responsibility for adhering to the following environmental, safety, security, and health principles:

Environment We protect the environment, conserve resources, and prevent pollution.

Safety We maintain a safe workplace and we plan our work and perform it safely. We take responsibility for the safety of ourselves, coworkers, and guests.

Security We protect people, property, information, computing systems, and facilities.

Health We protect human health within our boundaries and in the surrounding community.

Compliance We achieve and maintain compliance with applicable ESSH requirements.

Community We maintain open, proactive and constructive relationships with our employees, neighbors, regulators, DOE, and our other stakeholders.

Continual Improvement..... We continually improve ESSH performance.

Aronson concludes, “In addition to my annual review of BNL's progress on ESSH goals and adherence to this policy, I invite all interested parties to provide me with input on our performance relative to this policy, and the policy itself.”

Volunteer Days Program Starts

To honor employees' personal volunteer work, BSA donates \$20 to United Way for each hour volunteered, up to \$10K

BNL's fund drive for the United Way has its official kickoff on November 1. To give extra time to an important part of the effort, however, this year's United Way Chair Bill Hempfling, along with Co-chair Terrence Buck, started the Volunteer Days Program on October 16.

In this program, for every hour volunteered between October 16 and the end of December 2006, BSA will donate \$20 to the BNL's Long Island United Way campaign, with a ceiling of \$10,000. Many in the BNL community perform volunteer work and activities to help Long Islanders in some sort of need, and by reporting almost any such work done in that time, the volunteer will provide evidence for BSA to make a donation to the United Way fund. To participate, fill out and submit the form at http://intranet.bnl.gov/unitedway/linkable_files/pdf/2006VolunteerWorkReceipt.pdf.

To encourage participation in a volunteer activity, with supervisory approval, an employee may make a one-time request of an hour's work time to perform volunteer work. A minimum of two hours is necessary, one work hour, and one from the employee's own time. Thereafter, employees may volunteer, and report, as many hours as they wish on their own time.

Service Agencies Helped by BNL Volunteers

Last year, thanks to the 136 employees, retirees, and family members who submitted their hours to the Volunteer Days Program, the goal was reached for the fifth straight year to receive BSA's maximum contribution. Reported activities included taking part in marathons, and over 736 hours were spent at many agencies, such as L.I. Cares, Literacy Suffolk, LI Council of Churches, American Red Cross Meals on Wheels, LI Blood Services, American Diabetes Association, Island Harvest, Big Brothers/Big Sisters, National Alliance for Autism Research, Salvation Army, The Ministries, Habitat for Humanity, Thee Island INN Soup Kitchen, local Fire Departments/Ambulance Companies, Mather Hospital, Majestic Garden Soup Kitchen, and Response of Suffolk County. In addition, many hours were spent during the United Way campaign in collecting and distributing food, toys, clothing, and toiletries for those in need.

Submitting a form to show your effort is a simple way to help. For information on volunteer opportunities, contact this year's Volunteer Days Program Coordinator, Maria Beckman, Ext. 5483 or beckman@bnl.gov.

Fidelity Investment Counseling, 10/26

A Fidelity Investment representative will be at the Lab on Thursday, October 26, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 30-minute appointments by calling (800) 642-7131.

Chi-Chang Kao Named NSLS Chair

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improvements for better accelerator operation, and upgrades for beamlines, detectors, and infrastructure. As the new NSLS Chair, Kao wants to ensure that these initiatives are implemented.

“The next five years will be a very important time for the NSLS, because if NSLS-II gets approval, we will transition into the new light source at the end of that period,” Kao said. “We have developed a very aggressive strategic plan that will help keep scientific productivity up and also grow new scientific communities at the NSLS. In particular, we want to grow in a way that will allow the user scientific program to make a smooth transition to NSLS-II.”

Additionally, Kao wants to encourage closer interaction between the NSLS, Brookhaven's research departments, industry, and universities, as well as emphasize research related to nanoscience and energy. “There are many ways that synchrotron research can make significant contributions to solve the energy problems the world is facing today,” Kao said. “Using light, we can study and make advances in the fields of catalysis, energy storage, fuel cells, and solar energy.”

Kao earned a B.S. degree in chemical engineering in 1980 from National Taiwan University and a Ph.D. in chemical engineering from Cornell University in 1988. Shortly after, he joined BNL as a postdoctoral research assistant at the NSLS. His research focuses on developing new experimental techniques using synchrotron radiation and applying the techniques to condensed matter physics and material sciences.

After receiving tenure as a physicist in 1997, Kao served as the NSLS high-energy program coordinator, 1998-2001. He was promoted to senior physicist in 2001 and was named NSLS Deputy Chairman in 2005. Kao also is the Associate Chairman for User Science and an adjunct professor in the Department of Physics & Astronomy at Stony Brook University. He is a member of the American Physical Society and the American Association for the Advancement of Science.

— Kendra Snyder

NNDC Celebrates 1M Database Retrievals

(cont'd)



Cross Section Compilation Group. In 1960, it was moved to the Reactor Physics Division within the Lab's Department of Nuclear Energy. In 1967, it was renamed the National Neutron Cross Section Center by the Atomic Energy Commission. Then, in 1977, the center assumed additional responsibility for nuclear structure and decay data and its current name was born — the National Nuclear Data Center.

Nuclear Data dissemination is an important part of the primary mission of the NNDC but the group also generates evaluated nuclear data electronic libraries, and publishes a monthly journal, “Nuclear Data Sheets,” as well as other reference books.

EST's Boris Pritychenko, web master for the NNDC, comments, “This latest milestone is quite an accomplishment. All of us at the NNDC work hard to keep the information in the database up-to-date and the site easy to navigate. That's important, since this resource tool has many users, including universities, industry, nuclear reactor engineers and medical professionals around the globe.”

Adds William Horak, EST Department Chair, “The staff at the NNDC work together and carry out their responsibilities seamlessly. Over the years the scope of their work has increased and slightly changed direction, but they continue to embrace new technologies that help the Lab maintain this important worldwide resource tool.”

— Jane Koropsak

For more information on the NNDC go to www.nndc.bnl.gov/index.jsp.

Galison: History, Philosophy of Physics

(cont'd)



the early 19th century to the present. In the early 1800s, scientific objectivity became a goal. Between 1830 and 1930, scientific atlases helped define “mechanical objectivity” at the time — performing science according to a certain set of procedures without variation. But the fate of scientific objectivity kept changing. Twentieth-century scientists questioned mechanical objectivity and demanded more individual input and interpretation of results. With that shift came a new view of the “right” scientific self, one now explicitly making use of intuition, expertise, and the unconscious.

Peter Louis Galison received his Ph.D. from Harvard University in both physics and the history of science, in 1983. Before he joined the Harvard faculty in 1992, Galison was Professor of History, Philosophy, and Physics at Stanford University. In 1997, he was named a John D. and Catherine T. MacArthur Foundation Fellow, and, in 1999, he won the Max Planck Research Award.

Galison's work focuses on the exploration of twentieth century physics, and, in particular, he explores how experimenters, instrument makers and theorists are interconnected. Among his numerous publications are: *How Experiments End* (Chicago University Press, 1987), *Image and Logic: A Material Culture of Microphysics* (Chicago University Press, 1997), and *Einstein's Clocks, Poincaré's Maps* (WW Norton & Co, Inc. 2003).

— Diane Greenberg

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday and Wednesday, October 24 and 25, and Monday and Tuesday, October 30 and 31 to answer employees' questions about financial matters such as protecting assets against inflation; finding the right allocation mix; TIAA-CREF retirement income flexibility; and comparing lifetime income vs. cash withdrawal options.

For an appointment, call Arlene Lyons, (866) 842-2053, Ext. 4629.



Roger Stoutenburgh D4881006



On October 11, teachers and children of BNL’s Child Development Center (CDC) and the Little Red School House joyfully celebrated a “Fall Festival” that included a ribbon-cutting ceremony to welcome new playground equipment.

According to Susan Foster, Human Resources Services Manager, “The existing playground was installed 15 years ago when the CDC first opened its doors, and it was time for equipment to be replaced. We all thank John Hauser in the Finance Directorate for his help in obtaining the funds to buy the new equipment.”

Some new additions to the playground include a rock-climbing wall, a dinosaur-climbing unit, and a giant telephone connected by an underground pipe so that the children can actually talk and hear each other from opposite corners. An infant “maze” has also been added. Also, at the Little Red School house, a Thunder Climber and a zippy track have been installed.

Says Deborah O’Neill, CDC Director, “The new equipment is

much safer and includes some new technology like surfaces made from engineered wood chips, rubberized and cushioned. The new equipment also provides an infinite amount of motor development that allows the children numerous opportunities for growth.”

“The kids have had their noses pressed to the windows watching the construction and when they were finally “released” they ran out to the equipment with huge smiles — quite a sight to behold,” said Foster.

— Jane Koropsak

For more information on the Child Development Center go to www.bnl.gov/HR/CDC/ChildDevCntr.asp or call Ext. 7416.

(Above) John Hauser, BNL’s Assistant Laboratory Director for Finance, wields the scissors as Bill Hempfling, Human Resources & Occupational Medicine Division Director holds the ribbon at a Fall Festival celebrating new playground equipment at BNL’s Child Development Center (CDC) and Little Red Schoolhouse. Also standing are: (from left) Steve Gordon, Child Care Management, Inc. Director, Susan Foster, Human Resources Services Manager; Deborah O’Neill, CDC Director; and Barbara Bosshard, CDC Infant Center Supervisor.

Living With Diabetes — Upcoming Programs
A Human Resources & Occupational Medicine promotion

Once a month starting on October 26, three talks on living well with diabetes will be given, all from noon to 1 p.m. To register, complete the form mailed to all employees and return it to Michael Thorn, Bldg. 490, or email mthorn@bnl.gov.

Thursday, 10/26 - Medical Department, Bldg. 490, Large Conference Room. “Preventing Kidney Disease in Diabetes and Hypertension,” presented by North Shore and LIJ University Hospital Nephrology Institute. Optional urine screening test available.

Thursday, 11/2 - Berkner Hall, Room B. “Holiday Eating and Diabetes,” Registered dietitian Amy Shapiro.

Tuesday, 12/5 - Berkner Hall, Room B. “Hi-Tech Diabetes: Insulin Pumps,” Susan Wilk, Co-Director, Diabetes Coalition of Long Island.

October 2006 Is Healthfest Month —
BNL Celebrates Health, Fitness, Safety

BNL’s annual health, fitness and safety celebration is well under way. The Co-chairs of Healthfest 2006, Michael Thorn and Denise DiMeglio of the Human Resources & Occupational Medicine Division, encourage all BNLees to take part in the various events.

New Grand Prize Raffle

For each Healthfest event you enter, you get one chance for the grand prize raffle. A George Foreman grill and rotisserie combo may be yours! The winner will be chosen at the end of Healthfest.

‘Wheel of Fortune’ Game

Test your knowledge of safety and maybe win a prize.

The remaining timetable of Healthfest is summarized below. To register for an event, complete the form at the top of the flyer sent to all employees and return it to Michael Thorn, Bldg. 490.

Tues., October 24

11 a.m. – 1 p.m. Fitness Open House — at the gym and pool, Bldg. 478.

11:30 a.m. – 1:30 p.m. 400-yard Swim — at the pool, Bldg. 478. You must be 18 or older to participate. Those participating will receive a 2006 Healthfest T-shirt (supplies are limited). Registration not required.

Wed., October 25

11:30 a.m. – 12:30 p.m. 800-yard Biathlon Swim — at the pool, Bldg. 478. Participants must be 18 or older. To determine biathlon results, the 800-yard swim results will be combined with results of the Fitness Run, so you must also sign up for the run. Registration required.

Walkers: Help Fund Cancer Research, 10/22

The annual Walk for Beauty, Walk for Life will be held this Sunday, October 22. The four or six kilometer walk raises funds for breast and prostate cancer research at Stony Brook University. BNL has been a sponsor and active participant in the walk for many years. A brochure with the registration form, walker sponsor sheet, and driving directions is available at www.bnl.gov/diversity/womansPrograms. All participants are responsible for their registration and fee of \$20 or sponsorship.

For more information, contact Stasia Ann Scocca, Ext. 3979 or scocca@bnl.gov, or Joyce Fortunato, Ext. 4229 or mortimer@bnl.gov.

On-Site SBU Master’s Info Meeting, 11/1
Concentration in Environmental & Waste Management

Stony Brook University (SBU) and BNL plan to continue an on-site Master’s Degree program in Technological Systems Management with a concentration in environmental and waste management (see Bulletin, July 28). A new group is planned to begin in January 2007. Classes meet weekly at 5:30 p.m. at the Lab.

All interested are invited to a short informational meeting on Wednesday, November 1, at noon in Berkner Hall, Room B, to talk to faculty and hear from BNL colleagues who are now completing the program. Refreshments will be served. Contact Ed Kaplan, Ext. 2007, or Sheldon Reaven, 632-8765, for details.

Arrivals & Departures

— Arrivals —	
Jin Chai	Biology
Shinji Ejiri	Physics
George Stone.....	ITD
— Departures —	
Santanu Chaudhuri.....	Chemistry
Brandon Chapman	NSLS

BSA Noon Recital, 11/15

The Stony Brook Baroque Players will play vocal and instrumental music by Couperin, Lully, and Telemann on November 15 at Berkner Hall. Sponsored by BSA, noon recitals are free and open to the public. Visitors to the Lab must bring a photo ID.

Hospitality Halloween Party, 10/29

All are invited to a Halloween Party organized by the Hospitality Committee for Sunday, October 29, at 5 p.m. in the Recreation Hall. Children should wear Halloween costumes and join in the games. Parents may wear a costume also. Please bring a snack to share.

Message to On-Site Residents: U.S. Trick or Treat Tradition

Traditionally, children go “trick-or-treating” in the apartment area after the Halloween party. At about 7:30 p.m., children will knock on your door, saying “trick-or-treat” and you may give them a candy treat that is store-wrapped. If you wish to participate in this tradition, leave your porch lights on to welcome the children.

For more information, contact Monique de la Beij, mdelabey@optonline.net or 399-7656.

CALENDAR
— THIS WEEKEND —

Sunday, 10/22

*** Walk to Fund Cancer Research**

See notice below, left, and www.bnl.gov/diversity/womansPrograms, or contact Stasia Scocca, Ext. 3979 or scocca@bnl.gov or Joyce Fortunato, Ext. 4229 or mortimer@bnl.gov.

WEEK OF 10/23 —
Wednesday, 10/25

HSBC EmployeePlus Banking

11 a.m.-2 p.m. Berkner Hall lobby. Representatives will describe the HSBC EmployeePlus Banking package, including free interest checking with payroll direct deposit, 0.50 percent discount on a new Home Equity Loan, no charge for select checks or for official checks, money orders, travelers cheques, and much more. For more information, contact Michelle Buttitta, 752-4324.

Friday, 10/27

***Research Support Bldg. Event**

10:30 a.m. New Research Support Building, ribbon-cutting ceremony. All are welcome. Light refreshments before the event. See page 1.

***Halloween Dance, Live Music**

7 p.m.-midnight. Brookhaven Center. BNL Social & Cultural Club will hold a dance party with live music by Lil Cliff & the Cliffhangers. Warm-up free beginners’ dance lesson in W. Coast Swing given by Rudy Alforque at 7 p.m. Band starts at 8:30 p.m. Only 160 tickets for sale, at \$20, price includes cold hero buffet, coffee, cookies. Buy at BERA Store. See notice on page 4.

Sunday, 10/29

Hospitality Halloween Party

5 p.m. Recreation Hall in apartment area. See notice below, left.

— WEEK OF 10/30 —
Wednesday, 11/1

***On-Site SBU Masters Info Meeting**

Noon. Berkner Hall, Room B. See notice at left.

Thurs.-Friday, 11/2-3

***‘History, Philosophy of Physics’ — Three Pegram Lectures**

Sponsored by BSA as part of the Pegram Lectureship Series, Peter Galison, Harvard University, will talk on the “History and Philosophy of Physics,” in Berkner Hall. **Thursday, 11/2:** 4 p.m., “Einstein’s Clocks, Poincaré’s Maps.” **Friday, 11/3:** 11 a.m. “The Pyramid and the Ring,” 4 p.m., “Picturing Objectivity.” All are welcome to these free talks. Visitors 16 and over must have photo ID. See page 1.

Saturday, 11/4

***Diwali, Festival of Lights**

2:30 p.m. The BERA Indo-American Association invites all to celebrate the culture of India in songs, dances, and instrumental music performed by professional and amateur artists. Authentic Indian dinner will be served. Advance tickets: \$13 for adults, see notice on page 4 for more detail. Reserve on the web only.

— WEEK OF 11/6 —
Tuesday, 11/7

Sprint Wireless Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from Sprint/Nextel will present BNLees with discounts on Sprint’s products and monthly service plans. Jamie Addeo, (914) 407-7132, jamie.addeo@sprint.com.

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/.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates

MK3435. ASSISTANT MATERIALS SCIENTIST – Requires a Ph.D. in physics or materials science with a very strong background in electron energy loss spectroscopy (EELS) and scanning transmission electron microscopy (STEM) and research associate experience in related areas, especially in the use of aberration-corrected microscopes. Research will involve conducting forefront scientific research (both self-initiated and/or in collaboration with colleagues) as well as working with Center for Functional Nanomaterials users on characterization of nanoscale structure including electronic structures using state-of-the-art instruments of EELS and STEM. Under the direction of Y. Zhu. Center for Functional Nanomaterials

MK4003. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in physics or materials science with a strong background in solid state physics and extensive experience on scanning tunneling microscopes (STM) and transmission electron microscopes (TEM), as well as stage design and construction. The position will involve conducting research on nanoscale objects such as nanotubes and nanowires using STM built into a TEM stage. Focus will be on the manipulation and measurement of local electronic properties and tunneling effects of these individual nano-objects. Under the direction of Y. Zhu. Center for Functional Nanomaterials.

NS4029. ELECTRICAL ENGINEER/STAFF ENGINEER (P-5) – Requires a minimum of a BSEE and two years' related experience. Strong understanding of electrical engineering fundamentals, good written and verbal communication skills, and self-motivation is necessary. The RF Group designs, operates, and maintains electronic systems that play a vital role in the reliable operation of the RHIC accelerator complex. Engineering responsibilities are broad, and include the design, fabrication, troubleshooting, operation, and maintenance of complex electronic systems based on mixed digital, analog, and RF technologies. Several design, simulation, and analysis tools across several development environments are employed and the candidate must be able to efficiently use and move between them, primarily within a Windows environment, but occasionally within Linux. RF Group/Collider Accelerator Department.

RM3848. BIOLOGY ASSOCIATE IV (P-1, ERAP eligible \$1,000) – Requires a bachelor's degree or equivalent in biology, cell biology, molecular biology, or biochemistry, with courses in inorganic and organic chemistry, including laboratory. Experience in use of Windows-based computers is desirable; excellent organizational skills and the ability to work well in a multi-cultural scientific environment are required. College-level courses including laboratory in cell biology and microbiology very desirable. Must have knowledge of sterile technique. Requires dual roles in research and support. The research effort will be on a NASA-funded cell and molecular biology correlating induction by ionizing radiation (including space radiation from BNL's NASA Space Radiation Laboratory (NSRL) and repair of complex DNA lesions in primary human cells with induction of cell transformation. This includes irradiation of cells with radiation, including that from the NSRL, and analysis of DNA damage, repair, cell survival and transformation; it will also require preparation and growth of human cell strains, preparation of cell culture, and molecular solutions and reagents, and participation in operation and maintenance of the in-laboratory cell culture facility. The support effort will be on the Cell Biology Facility at the NSRL. These duties will involve daily shutdown of the NSRL, which may involve irregular and extended hours; participation in facility preparation and maintenance; as well as weekend work.

Occasional travel to collaborating institutions may be required. Participation in weekly laboratory research meetings and journal clubs, as well as laboratory clean-ups is expected. Biology Department.

Motor Vehicles & Supplies

05 HYUNDAI TUCSON - a/t, a/c, p/w, p/b, p/s, p/l, ABS, c/c, rem. strtr, r/rack, am/fm/cass/CD-MP3. 10K mi. \$16,000. 928-3308.

04 CHEVY S10 PICKUP - crew cab., black, 4wd, all pwr., tow pkg., 6 CD chgr, hwy. mi. 60K mi. \$12,500/neg. 821-1271.

04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu br, lg. bath, bunks, storage. Used only 5 times \$19,500/neg. 924-0139.

03 GULF STREAM BT CRUISER - 6.8L Ford eng., a/c, htr, shwr, oven, m/wve, TV/VCR, slider, sleeps 4. 9,500 mi. \$48,200. 277-3389.

03 HYUNDAI SANTA FE - Excel. GLS 4WD 2.7L 6cyl. m/roof. Monsoon c/d. hwy. 72K mi. \$9,800/neg. Ext. 4202 or 516-449-8924.

02 GMC- YUKON - XL - 4wd, Denali rims, mint cond. 42K mi. \$17,800. Ext. 6392.

01 HONDA CIVIC EX - Mint, loaded, new tires, brakes; a/t, 1.7 Vtech motor. 63K mi. \$9,200/neg. Robert, Ext. 4798 or 689-8134.

00 HYUNDAI ELANTRA GLS WAGON - 4cyl., 4dr, p/b, p/l, p/s, p/w, a/c, a/t, c/c, 127K mi., mostly hwy. \$3,300/neg. Ext. 3319.

00 MERCURY SABLE LS - dk blue, 3L, DuraTec V6, leather int., M/R etc., loaded, 145K mi. \$4,400/neg. Ext. 4748 or 277-0464.

99 HYUNDAI ELANTRA SEDAN - 4cyl., 2.0 l, 4dr., a/t, a/c, p/s, p/w, p/l, am/fm, cass., air bags. 58K mi. \$3,750/neg. Stefan, Ext. 7394.

98 JEEP WRANGLER SPORT - Soft top, 116K, CD. New batt., tires, rad., w/shield. 116K mi. \$7,000/neg. 206-356-6612.

98 BUICK CENTURY - V6, ps, pw, pd, excel. maint., all recs, mint., orig. owner, 29 mpg. 63K mi. \$5,500/neg. 286-3626.

96 TOYOTA AVALON XLS - 4spd., a/t, 200hp, all pwr, cd, am/fm, cass, abs, brakes, belt, batt. 232K mi. \$2,500/neg. 553-8903.

92 SATURN SL2 - 4dr., 5spd., all options, very clean. 93K mi. \$1,700/neg. Ext. 3752 or 744-9699.

90 HONDA ACCORD LX COUPE - a/t, a/c, am/fm/cass, gd. tires, new exh., frt/rear brakes, belts, dealer serv. \$1,300. 751-8403.

50 FORD F100 - Fully restored, 6 cyl. \$12,500/neg. Don, 581-7656.

Furnishings & Appliances

ANDERSON WINDOW GRILLS - Wood, snap-in. Many sizes, factory painted, or bare wood. \$5 ea. Ext. 5475 or 375-2680.

COFFEE TABLE - Solid heavy construction 5'x2', walnut finish. \$50. 664-2444.

FURNITURE - donate old furn. I'll pick up. 698-9016.

HUTCH - 2 pc., maple finish w/brass trim, excel. cond. \$200. Donna, 281-4871.

REFRIGERATOR - white Frigidaire, 18.2 cu. ft., \$150. Chris, Ext. 2094 or 929-5008.

Audio, Video & Computers

CAR STEREO - Duraband In Dash, CD/MP3/CDR/CDRW playback w/MP3 display, 45Wx4, much more \$100. 434-5824.

LASER PRINTER - Lexmark Optra R, 1200 X 1200 dpi, w/x-tra paper tray. \$35. Mike, Ext. 8097.

MUSIC BOX - Snoopy "Waiting for Santa" Schmid Handpainted, Ltd. ed. 6,748/15,000, plays "Oh Christmas Tree" \$75. 803-0506.

PIONEER CAR STEREO - 50W/chan,CDRW/MP3/WMA play, satellite/ipod compat, ask. \$190. 434-5824.

Sports, Hobbies & Pets

1996 U-DUMP/5TON TRAILER - hydraulic, 12 volt, great for construction, stables, etc. \$3,000 obo. Arthur or Bill, Ext. 4446.

BIKE - men's Pavasovic 10 spd., \$45; golf clubs-3 sets 2/bags, 2 right & 1 left hand, \$25/ea., camera, \$2. Karen, 924-4968.

MOUNT BIKE - 21-spd., 26" full suspension, half year old, allum, w/night light, pump. \$40. Will, Ext. 6263.

POOL TABLE - great cond., Pro Sport 252H 7' Half K/D w/table cover and accessories. \$200. Ext. 3681.

Tools, House & Garden

MILLING MACHINE - Excello, can be manual, also w/CNC setup w/Allen Bradley Bandit Control. \$2,500 neg. Ext. 3799 or 651-9798.

SPRAY BOOTH - JBI, complete w/exhaust. 5'4"w x 5'2"d x 7'2"h, new cond. Ask \$600. Dave, 664-2444.

Miscellaneous

2 INFANT CAR SEATS - w/carriers, 1 BabyTrend LatchLok, 1 Graco SnugRide, \$30/ea.; baby swing, \$30. Brigitte, Ext. 3114.

CLAM RAKES - two commercial clam rakes w/handles. \$20. 834-4829.

ENCYCLOPEDIAS - Funk & Wagnalls 1950, Encyclopedia Americana 1963, Americana Annual 1965-87; best offer. Ext. 5456.

GITAR - Fender acoustic, Alexxus 30 model, new strings, sweet sound, excellent condition, \$275. Peter, Ext. 2913.

MONITOR - 17" Viewsonic flat, \$100; Sony Lyra PVP, \$180; elec. guitar, \$120; Kenwood surround sound sys. \$120. Pete, Ext. 2790.

NORDITRACK AND TUNTURI BIKE - Gently used. Best Offer. 744-8386.

SEWING MACHINE - Singer Treadle, early 1900s. Good shape, wood needs refinishing. \$150. 664-2444.

Yard & Garage Sales

BROOKHAVEN HAMLET - Sat., 10/14, 3 Chimney Court off Andiron (So. Country Rd.) Ext. 3830.

COMMACK - Sat., 10/21, 9-4 p.m., 3 Grandhaven Dr. (off Larkfield Road). 499-5189.

MILLER PLACE - 10/14 & 15 9 a.m. - 4 p.m., Arborvitae Lane, off Miller Place/Yaphank Rd. Variety of items, old & new. Ext. 4303.

Happenings

CONCERT - AFTERLIFE covering YES, ELP, Genesis, Kansas, Rush... welcomes BNLrs on 10/21; see Afterlifeband.com. Ext. 5537.

SCALLOP DINNER - Cutchogue Methodist Men's Club, Election Day, Tues., 11/7, seatings 5, 6 & 7 p.m., potato, veg, bev, dessert, \$19. Ext. 2451 or 477-1715.

Free

KITTENS - at 4 mo. these babies are precious. I will pay for spay & imm., you provide loving home. 4 avail. Diane, 821-1610.

KITTENS IN DESPERATE NEED - Two found in wood pile by my dog. They are tiny and in need. Louis, Ext. 4584 or 281-3706.

NUT COAL - 150 pounds. 581-7656.

Wanted

COUPONS FOR FREE TURKEYS - King Kullen coupons for donation to area food pantries & soup kitchens. Send to M. Beckman, B-120. Maria, Ext. 5483.

FOLDING CARD TABLE - Project for Riverhead Marine Rescue. Legs in good shape. Top in any condition, it will be replaced. Roger, Ext. 4698 or 929-6562.

PEOPLE TO FORM VETERANS GROUP - BERA-sponsored, for BNL employees/retirees w/honorable or medical discharge from US military. Purpose: to support BNLers w/family serving abroad & all others in military. Call Don Farnham, Ext. 8248; Pete Palamidis, Ext. 2462; Mike Paquette, Ext. 5891.

VACUUM CLEANER - cheap, in good condition. Brigitte, Ext. 3114.

For Rent

CENTER MORICHES - 4 bdrm., wtr-frt. house, dock on creek, 2 bth, eik, d/r, w/d, f/p \$1,995/mo. 261-7908.

FARMINGVILLE - 1 br, gd. flr., eik, l/r, f/bath, skylt, carpet, pt furn., thermo, a/c, h/cap-acc, prv. deck, ent., prkg., no smkg/pets, \$925/mo. + elec. 732-9324 or 516-909-7501.

MANORVILLE - 1 bdrm., bright, l/r, eik, grd. flr., off st. prkg., avail. now, 10 min. to BNL, incl. all \$1,000/mo. 878-8967.

MEDFORD - share pvt. house, rms. for rent, cable, deck, furnished, incl. all. \$500/mo. 698-9016.

MILLER PLACE - Share lge furn. non smkg 3 bdrms Col. home, cac, internet, tv, cable, deck, fenced b/yard, quiet area, own w/w bdrm. 10 mi. to BNL \$675/mo. 744-8386.

NYC - 1 bdrm., 2 bath, mini kit., 4-pple accomm. Thksgvg wk, 11/23-29/07, 200 W 56th NYC. Walk to Times Sq/Central Pk. Rent daily/wkly. \$300/wk./neg. 455-2908.

PORT JEFFERSON - 3 bdrm, 1 full bath, brand new eik, first floor, pvt. bk. yd., close to shpg, schools & downtown Port Jefferson, 20 min to Lab. \$1,800/mo. 903-3137.

SELDEN - lg. room for rent, 6A access, nice area. \$160/wk. 924-0139.

SHIRLEY - mint brand new 1 bdrm., eik., dishwasher, microwave, all new appliances, lg. l/r, bath, w/pvt. ent., no pets/smkg., 1 mo. sec. \$1,200/mo. Ext. 3681.

WADING RIVER - 1-bdrm. apt., pvt. ent., utilities incl., (elec., heat, water, cable TV/Internet connection) single, non smoker. call after 4 p.m. \$900/mo. 929-1481.

NEWPORT RICHEY, FL - 2-bdrm., 2-bath, golf-front condo, 15 min. to gulf beach, comm. w/2 pools, 2 golf, clubhse, avail. Dec., Jan. & Feb. \$1,200/mo. Ext. 2539.

ORLANDO, FL - Eastr wk, 4/6/07-4/13/07, Marriott Cprs Hrbr, 2 bdrm., 2 bath, kit., D/R, L/R pullout, jacuzzi, patio, pools, club, kids club, bike, \$1,500/wk. Nancy, Ext. 4567.

For Sale

MANHATTAN - timeshare, 56th St. at 7th Ave., any 7 days a year, sleeps 4. \$23,000/neg. G. Friedlander, 650-3222.

MASTIC BEACH - 3 bdrm. ranch, walk to marina. w/ app. and deck. Fenced yard on 100x100 lot. \$249,900, 399-4000.

SELDEN - mint 2-bdrm., 2-bath condo, Bretton Woods, golf, tennis, indoor/outdoor pools, bowling, gym. \$285,000/neg. 289-5209 or 790-1592.

SHIRLEY - 2-bdrm. starter home. 10 yrs. young, full bsmt., vinyl, new paint, low taxes. \$240,000/neg. Paula, 924-0139.

SHOREHAM - 5-bdrm., 2-bath ranch, move-in cond., brand new appl, dr/way, cac, heating syst. & hwh, f/p, ins., fenced yard, 18x18 shed. \$369,900/neg. 848-8072.

SOUND BEACH - new, 3 bdrm. Col., fire-place, large eik, bsmt., level corner lot, Taxes \$2,900. Rent: \$1,800/mo or Sale: \$345,000/neg. 821-1271.

Sparrow Hawk



Roger Stoutenburgh D0850506

Halloween Dance Party, 10/27

Live music by Lil' Cliff & the Cliffhangers

Lil' Cliff & the Cliffhangers, a local band, will play Chicago-style and West Coast "jump blues" for a Halloween dance party on Friday, October 27, from 7 p.m. to midnight in the Brookhaven Center. Sponsored by the BNL Social & Cultural (S&C) Club, the event is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

The band consists of Lil' Cliff — Cliff Bernard — on harmonica, Rick Street on bass, Tom DeFranza on drums, and Dennis Phelps on guitar. Lil' Cliff, a baritone, is the lead vocalist, and all band members join in on vocals. The group plays regularly in Long Island clubs and was featured last June in a dance party at the Center sponsored by the BNL Music Club.

A general DJ mix of ballroom, Latin, swing, hustle, etc. will be provided in between sets. For warm up, at 7 p.m., before the start of the dance social, there will be a 45-minute beginners' dance lesson in West Coast Swing given by Rudy Alforque. The band starts performing at 8:30 p.m.

Attendees are encouraged to wear Halloween costumes. Prizes will be awarded to the best costumes, the top prize being an 8-day pass (\$96 in value, and transferable) to the weekly Friday night dance socials at the Brookhaven Center sponsored by the BNL S&C Club.

To ensure space for dancing, only 160 tickets will be sold. Tickets cost \$20 each in advance, or \$35 at the door if they are still available. The price includes a cold hero buffet, coffee, cookies, etc. Buy tickets at the BERA Store in Berkner, or at the Center on Friday night. Members of BNL's Association of Students & Postdocs (ASAP) get a 50 percent discount. For more information, contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov.

Celebrate Diwali, Festival of Lights, 11/4

The BERA Indo-American Association (BERA IAA) invites all to celebrate Diwali, the Festival of Lights, on Saturday, November 4, at Berkner Hall. Starting at 2:30 p.m., the cultural program of songs, dances, and instrumental music, performed by both professional and amateur artists, celebrates the rich culture of the Indian subcontinent. Authentic, traditional Indian snacks and dinner will also be served. This warm, family celebration draws more participation each year.

The deadline for reservations, including all modifications and cancellations, is Thursday, November 2. Reservations for this popular function should be made early. Last year, about 400 attendees nearly filled the auditorium, which has a capacity of about 440 persons: no more may attend. This year all reservations may be made only at www3.bnl.gov/bera-iaa/php/diwali/reserve_form.php

If you do not have access to the Internet, please contact someone who does. You will be sent a confirmation of your request.

If reservations are made by Monday, October 30, ticket prices will be: \$13 for adults (over 12 years), \$8 for children (5 to 12), \$4 for toddlers (2 to 5) and free for infants (up to 2). All ticket prices will increase by \$1 after October 30. Note that even though there is no charge for an infant, his or her name must be included to satisfy safety regulations on seating limitations. BERA-IAA may bill the full ticket price to those who fail to cancel their reservations in time, by November 2, and do not show at the door.

VERO BEACH, FL - 2 yrs. young, country home w/extra bldg corner lot, move-in-ready, \$219,000/neg. 772-539-1617.

WADING RIVER - 2-bdrm, 1-bth ranch, half bsmt, new hwdw flrs, roof & appl.; 10 min to Lab, nr. beach & W/wd Park. Income poten. \$279,000/neg. Ext. 4202 or 516-449-8924.

YAPHANK - 3-bdrm. condo, 1 1/2 bath, wd flrs, granite cntrs. in kit., attach. garage, full bsmt., cac, new oil burner, move-in cond., beaut. patio & garde \$319,000, 949-6109.

On-Site Services

ON-SITE SERVICE STATION - We provide gas and all vehicle services, NYS inspections, new batteries, tires, repairs, while you are at work. Ext. 4034.

In Appreciation

After 44 years at BNL, I have had the pleasure of working with great people. I am leaving with many fond memories of BNL. To everyone who attended or donated to my retirement, my sincere thanks. Don Meany