

Celebrating Summer Students at Brookhaven

Photos by Joseph Rubino



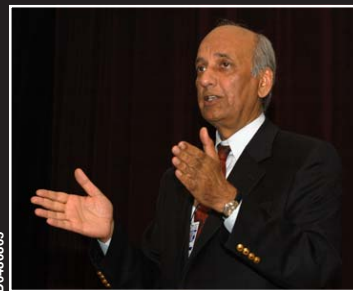
Thomas Windham



Tim Bishop



Michael Holland



Praveen Chaudhari

BNL hosted more students this summer than in any recent year. So stated Kenneth White, Manager of BNL's Office of Educational Programs, at the closing ceremony held in Berkner Hall during the August 10-11 2005 Summer Student Poster Session. More than 150 university students and 60 high-school students and teachers participated in summer programs that included hands-on research with BNL mentors.

"We warmly congratulate the students on their achievements and thank not only DOE and the National Science Foundation [NSF] for their cooperation and support, but also the more than 120 BNL scientists and professional staff who, as mentors, ensured that the students experienced such a productive summer," said White. "We also greatly appreciate the support of Department Chairs Carl Ander-

son, Sally Dawson, Alex Harris, and Creighton Wirick, who served as moderators for the student presentations.

Speakers at the ceremony were Laboratory Director Praveen Chaudhari, Manager of DOE's Brookhaven Site Office Michael Holland, NSF's Senior Advisor for Science & Engineering Workforce Thomas Windham, and U.S. Representative Tim Bishop.

The speakers addressed a packed hall of participants in the following programs:

- Faculty & Student Teams
- Community College Institute
- Science Undergraduate Laboratory Internship
- Pre-Service Teachers.

Students were also present from three other BNL summer programs:

- Community Summer Science
- High School Research, and
- Minority High School Apprenticeship.

Pictured at the closing ceremony of the Summer Student Poster Session are: (from left Reginald Blake, City College of Technology, Brooklyn, a faculty participant in the Faculty & Student Teams (FaST) Program; Michael Holland, DOE's Brookhaven Site Manager and a speaker at the ceremony; Sharon Lall-Ramnarine, Queensborough Community College and a faculty member of the FaST Program; Neville Parker, New York City Louis Stokes Alliance for Minority Participation (LSAMP); and Stephen Cox, Director of Greater Philadelphia LSAMP.

BNL also welcomed to the ceremony 65 students from the City University of New York and Medgar Evers College, Brooklyn, who are currently assisting BNL researchers with the Urban Dispersion Program studies of the movement of particulates and gases through New York City. In



Joseph Rubino D050805

addition, a number of university faculty and administrators attended the event.

Director Chaudhari congratulated the students on their liveliness and enthusiasm as the 'next generation' of scientists. He also described the first, "wonderful" (continued on page 2)

Removing Uranium From Contaminated Steel Surfaces

2000 DOE student intern who assisted in research is among authors of published paper

Scientists from BNL's Environmental Sciences Department and Stony Brook University (SBU) Material Science Department, both affiliated with the Center for

Environmental & Molecular Sciences, have developed a simple, safe method of removing uranium from contaminated metallic surfaces using citric acid for-

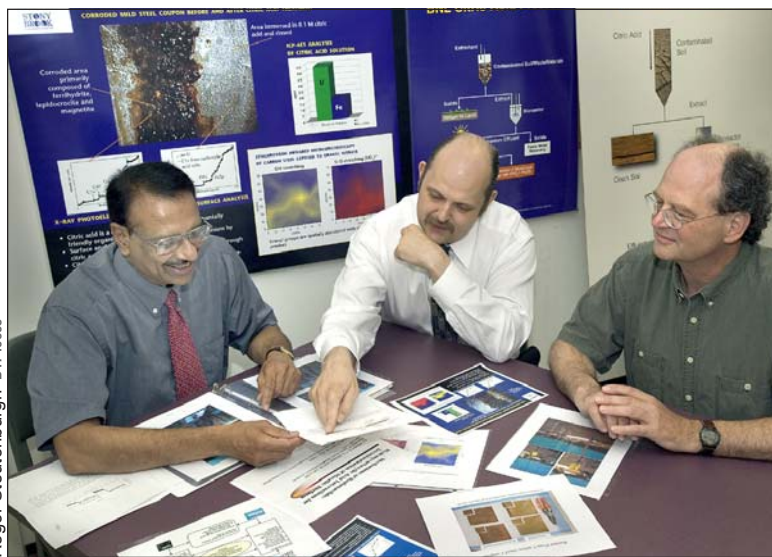
mulations so that the materials can be recycled or disposed of as low-level radioactive or nonradioactive waste. This research, published in the July 1, 2005, issue

of *Environmental Science and Technology*, is funded by the Environmental Management Science* Program of the Environmental Remediation Sciences Division, Office of Biological & Environmental Research of DOE's Office of Science.

Decontamination of radionuclides from metallic and other surfaces contaminated by radiological incidents is a major environmental challenge. A.J. Francis, assisted by Cleveland Dodge, BNL, and by SBU's Gary Halada, developed an innovative and improved process for decontaminating metal surfaces and other materials. Another team member named among the authors was BNL 2000 summer intern Jason McDonald, currently pursuing his Ph.D. at Louisiana State University.

(continued on page 3)

Discussing their uranium decontamination research conducted at BNL's National Synchrotron Light Source are scientists: (from left) A.J. Francis, BNL, Gary Halada, Stony Brook University, and Cleveland Dodge, BNL. Also participating in this research was Jason McDonald (not shown). McDonald worked with the research team at BNL in summer 2000 through a DOE summer internship program administered by BNL's Office of Educational Programs and is currently working on his Ph.D. in agronomy and environmental management at Louisiana State University, Baton Rouge.



Roger Stoutenburgh D1740605

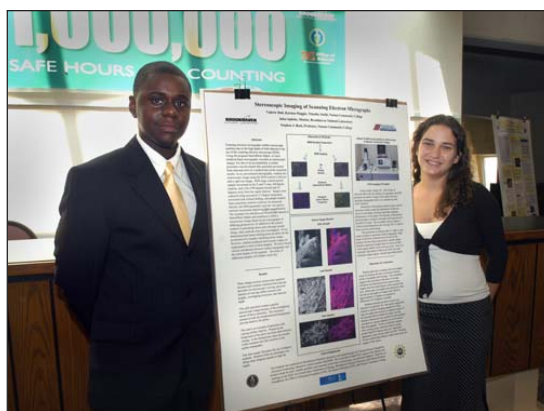
BNL intern John Cornwell (left) of Duke University, with his mentor, Ray Edwards of the Environmental Sciences Department, has developed an enhanced base component for the Brookhaven Atmospheric Tracer Sampler (BATS) being used this month by the New York City Urban Dispersion Program, a multi-agency project to improve models of airflow and gas dispersion in deep urban canyons. While participating in the Science Undergraduate Laboratory Internship (SULI) program at BNL this summer, Cornwell invented a cost-effective replacement for the electronic control system previously used in the BATS, an integral part of the Lab's Perfluorocarbon Tracer technology.



Roger Stoutenburgh D1910705

Meet the Summer Students

(See many more stories inside.)



Joseph Rubino D046805

Timothy Smith and Karissa Maggio, both of Nassau Community College, worked on aspects of "Three-dimensional imaging of scanning electron micrographs," with their mentor, John Spiletic of the Computational Science Center.

RSVP Terminated

We received some very disappointing news on August 15. The National Science Foundation (NSF) has decided to terminate RSVP, the Rare Symmetry Violating Processes experiment, which was planned for construction at BNL beginning this year.

The NSF cites several reasons for its decision, including construction and operating costs that increased greatly over the original estimates. In large part, but by no means all of it, the cost increases were associated with the two detectors, MECO and KOPIO, and with the project office. The NSF was also concerned that continued uncertainty about future funding for RHIC operations could increase costs even further.

I know that many of you worked very hard over the past five years to make a case for this project and bring it to fruition, and I thank you for your commitment. The bottom line is that our science was sound, but external factors and the current budget climate force agencies like the NSF to make some difficult decisions. The project will be phased out over the next several months.

— Praveen Chaudhari
Laboratory Director

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 Recreation Bldg. and at the laundry, both 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/.

Mondays & Thursdays: Kickboxing

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

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

Noon-1 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Meet in the gazebo in the apartment area. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club

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

Tuesdays: Jiu Jitsu Club

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

Tuesdays: Toastmasters

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

Tues., Wed. & Thurs: Rec Hall Activities

5:30-9:30 p.m. General activities, large-screen TV, ping pong, chess, games, and socializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group

10 a.m.-noon, Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Meet in the apartment area playgroup. Fang Dong, 871-5362.

Wednesdays: Farmer's Market

11:30 a.m.-1:30 p.m., Berkner Hall parking lot.

Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga

Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, Ext. 2027.

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.

— THIS WEEKEND —

Friday, 8/19

BNL Science Museum Open

11:30 a.m.-1:30 p.m. BNL Science Museum. The Lab community, with their families and friends, may visit the museum. The gift shop will also be open. Children under 14 years old must be accompanied by an adult.

Sunday, 8/21

***Summer Sundays: RHIC**

10 a.m.-3 p.m. See notice, page 4. The facility to be featured is the Relativistic Heavy Ion Collider. Learn how scientists probe matter thought to have existed at the dawn of the universe.

— WEEK OF 8/22 —

Wednesday, 8/24

***Bus Trip to Cradle of Aviation Museum**

9:30 a.m. Recreation Bldg. in apartment area. Bus will depart for the Cradle of Aviation Museum in Nassau County. Touch real planes and rocket-ship machinery, see movie at giant IMAX Dome theater. Bus will depart the Aviation Museum at 3 p.m. Sponsored by the English for Speakers of Other Languages Program, the trip costs \$10/adult, \$8/child, which includes bus, museum, and film entry. Buy tickets from Jennifer Lynch, Bldg. 179B, Ext. 4894 or lynch@bn.gov.

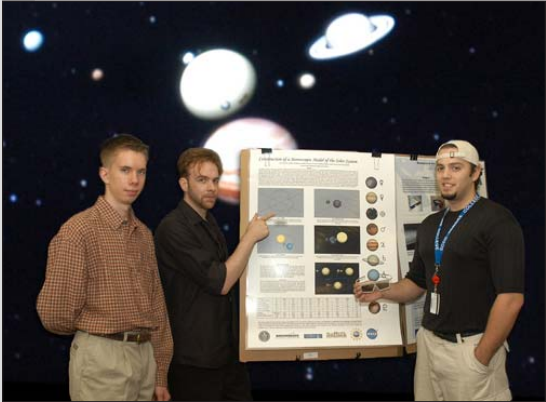
Celebrating Summer Students at Brookhaven

(continued)



Joseph Rubino D0108005

Miranda Davis of Binghamton University takes notes in the field for her research on "Understory composition of the Long Island Pine Barrens," which she worked on with her mentor, Timothy Green, the Lab's Cultural and Natural Resources Manager, who also mentored 19 other students.



Joseph Rubino D060805

Three students from Suffolk County Community College, (from left) Jason Emord, Douglas Tammany, and Jonathan Smolansky, who worked on "Construction of a stereoscopic model of the solar system via Maya 6.5," with mentor Gordon Smith of the Computational Science Center, are pictured with their research poster, which has had the background added to show the 3-D visualization of the solar system that was displayed in another room.

Sonya Lamb (left) of North Carolina Agricultural & Technical State University and Saneddy Quezada of Hostos Community College are in front of Quezada's poster on "Odonate species survey in correlation with air temperature and precipitation at BNL," which she researched mentored by Timothy Green, Environmental & Waste Management Division. Lamb, a participant in the Faculty & Student Teams Program, who was also mentored by Green, did research on "The relationship of soil and water chemistry to the preservation of salamander habitats on Long Island."

moment of making a discovery as an irreversible process that removes ignorance. "Once you know something, it doesn't go away," he said. "Once you share it, it is part of mankind's heritage."

The students received some advice from DOE's Michael Holland. "Remember," he said, "that the mentors at Brookhaven and the faculty members you have met are world-class people, and that they work so hard because they believe in the science, technology, and engineering that they are doing. They also believe in you, as the future of science and technology. I hope that when you move out into the career world, perhaps as scientists and faculty, you keep an eye backward, and help mentor those who come behind you."

The potential power of the students was a strong element of the talk by keynote speaker Windham. Taking the theme of "broadening participation" that he had found generally in the students' posters, he related it to the NSF mission of funding scientific proposals of intellectual merit that will have broad impact on society, increasing the knowledge of science in the workforce and thus developing scientific capital that will benefit the nation.

"So, think about your experience here," Windham said, "and in addition to what you have achieved of intellectual merit, realize the broader impact of helping others to benefit from your discoveries and participation at a world-class national laboratory."

As the concluding speaker of the ceremony, Congressman Bishop commended the present students and their mentors for their efforts in what he believes is the very best education — the education that takes place outside the classroom. He also commended DOE and the NSF for providing the funding that made these summer programs possible, and the Lab for providing the setting for "this very important process."

As he said to the students, "We need more of you — more who graduate and specialize in math and science. I hope we can make your pathway to your career goals as barrier-free as possible."

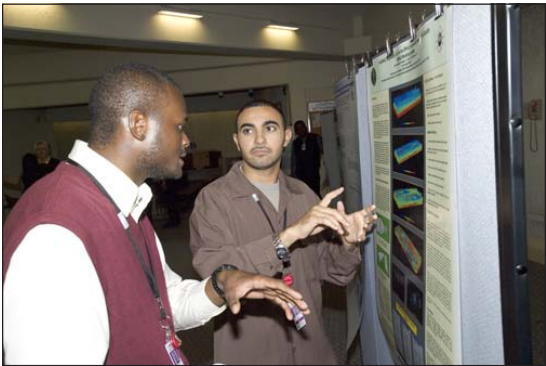
To sum up the Summer Student Poster Session in the words of Howard Gordon, Physics Department, who, drawn by the animation in Berkner lobby, stopped to see and discuss some posters with the young researchers, "This is one of the best things we do at the Lab. You can feel the energy in the room."

— Liz Seubert



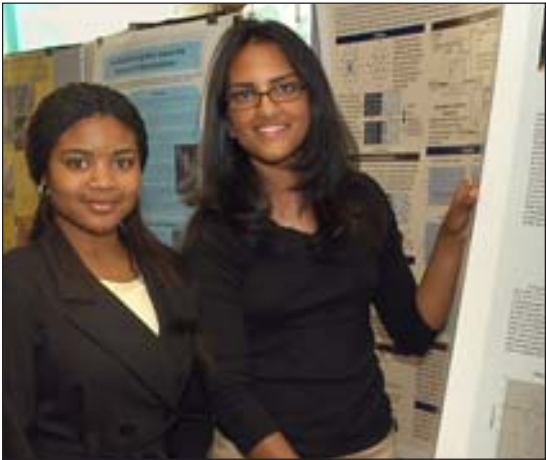
Roger Stoutenburgh D0108005

Steven Mui (right) of Columbia University and a participant in the Science Undergraduate Internship Program, displays his poster on "Template-assisted chemical vapor deposition (CVD) growth of carbon nanotubes," which he worked on during his 10-week internship at BNL this summer with his mentor Stanislaus Wong of the Materials Science Department.



Roger Stoutenburgh D0112005

Natan Lenjo (left) of Bronx Community College and Michael Khalil of New Jersey City University discuss a point of interest. Lenjo, mentored by Avraham Dilmanian of the Medical Department, did research on "Microbeam radiation therapy in the treatment of tumors" as a Community College Institute Program participant. Khalil, a member of the Faculty & Student Teams Program, worked with mentor Douglas Wright of the Department of Environmental Sciences on "Visualization of the output from multiscale air quality (CMAC) for the atmosphere."



Joseph Rubino D0440805

NSLS Hosts Future SESAME Scientists

Three students from Ben-Gurion University (BGU) in Israel worked at the National Synchrotron Light Source (NSLS) this summer, training to perform research at SESAME, the new synchrotron under construction in the Middle East that is sponsored by the United Nations Educational, Scientific, and Cultural Organization (see www.sesame.org.jo).

The Israeli-Arab students — Ebrahim Mahajna, Sami Khouri Salameh, and Mahmoud Simri — are fourth-year undergraduates in the BGU biomedical engineering program. They learned of the opportunity to visit the NSLS from their advisor at BGU, Brenda Laster, who is an NSLS user researcher.

The one-month program was supported by a DOE Cooperative Research Grant for SESAME to Herman Winick, a scientist at the Stanford Linear Accelerator. The grant is designed to educate future synchrotron scientists for the SESAME project.

The three students each had



Roger Stoutenburgh D150805

(From left) Ebrahim Mahajna, Mahmoud Simri, Sami Khouri Salameh

different research projects, and each worked under the guidance of a different NSLS scientist.

Simri, working with physicist Vivian Stojanoff, worked on the development of new crystallization techniques. He crystallized a protein and determined its quality at beam line X6A using

x-ray crystallography tools.

Salameh, with the help of biophysicist Lisa Miller, studied a potential therapy for skin melanoma by imaging skin cancer cells with an infrared microscope.

At beam line X15A, Mahajna worked with physicist Zhong Zhong, studying the feasibility

of using diffraction-enhanced imaging, a method used to "see" cartilage and soft tissue, to detect early stages of Alzheimer's disease.

At the end of the students' visit, Winick came to the NSLS to meet them and listen to their presentations on their work. He also gave a seminar, "The SESAME project and the impact of synchrotron radiation on science and society in developing countries."

Simri, Salameh, and Mahajna said that this is their first time at a large research facility, and they enjoyed learning techniques, rather than theory alone. They also liked the way that the NSLS brings together people of many backgrounds and cultures, connected by science.

All three expressed interest in visiting another synchrotron next summer to gain additional synchrotron research experience. They thanked their professors, Winick and Laster; DOE; and their families for supporting them. — Laura Mgrdichian

Star Quality Sparkles at Summer Student Talent Show

Talent abounded at the Summer Student Talent show sponsored on July 21 by the Office of Educational Programs (OEP). Students, mentors, and OEP and BNL staff morphed into gifted performers, filling Berkner Hall with comedy, drama, and music. Said Kenneth White, OEP Manager, “We realized that students with outstanding academic achievements were often very talented in other ways. We wanted to give them an opportunity to showcase those talents. The show we put on also served as a good social event for the summer visitors.

“We all thank Tabatha Wyche, a student intern in our office,” continued White. “Tabatha managed to organize volunteers into what proved to be a star-filled show.”

Some of the student performers at the Talent Show are featured below.



Joseph Rubino D1140705

First prizewinner in the Talent Show, Pavel Bogomiakov of Southampton College, who studied piano at the pre-college division of The Juilliard School, also played in a BSA Noon Recital on August 17 with violinist Stephanie Mocilan. As a Science Undergraduate Laboratory Internship participant at BNL, he did research with his mentor, John Dunn of the Biology Department, on “Biopanning T7 phage-displayed antibody library against proteins for Immunoprecipitation,” and he will go to The Johns Hopkins University in the fall.

“Specific activity of the SARS CoV main proteinase homo-dimer,” was the research topic of Joyce Lai of the University of California, Berkeley, who played Chopin’s *Polonaise* at the Talent Show. Lai participated in the Science Undergraduate Laboratory Internship Program, working with mentors Walter Mangel, William McGrath, and Vito Graziano, in the Biology Department.



Joseph Rubino D1140705

Yolanda Jordan, a general engineering BSc. graduate from Prairie View A&M University, worked this summer on a study of reasons for injuries with mentor Patricia Williams of the Safety & Health Services Division. She also took second prize in the Talent Show for her rendering of “Ain’t I a Woman?” A GEM Fellow of the National Consortium for Graduate Degrees for Minorities in Engineering & Science, Jordan came to BNL through Terrence Buck of the Human Resources & Occupational Medicine Division. Jordan will start a Ph.D. at Texas A&M University in the fall.



Joseph Rubino D0970705

“The Seven Ages of Man,” dramatized by Joseph Carrion, a Community College Institute student from City College of New York, won him the third prize in the Talent Show. Carrion’s most outstanding work, however, was with mentor Wynne Schiffer, Chemistry Department, on “Relative cerebral glucose metabolism and behavioral studies of toluene abuse using ¹⁸FDG in toluene-exposed rats.” During his 10 weeks’ internship, Carrion completed a unique protocol using microPET to image behaving animals as they craved the addictive inhalant toluene. These data will serve as the basis of a new National Institutes of Health grant and will be submitted as a rapid communication for publication.



Joseph Rubino D1340705



Joseph Rubino D1320705

Nick Taylor of Jamestown Community College, who this summer worked on “Stereoscopic 3-D visualization labs” with his mentor, Robert Bennett of the Computational Science Center, proved to the Talent Show audience that merely “Tying a Shoe-lace” with true comic flair provides a memorable performance.

Removing Uranium From Steel

(cont’d.)

The research team developed an environmentally friendly green-chemistry process that uses all naturally occurring materials — citric acid, common soil bacteria, and sunlight. Present methods of removing uranium from contaminated metal surfaces include sand blasting, chemical extraction, and electro-chemical dissolution. These methods generate secondary waste streams, creating additional disposal problems.

“In the event of a radiological incident, such as a ‘dirty bomb,’ this technology can be used to clean up contaminated materials,” Francis said. “It will also treat

the secondary waste generated from the treatment process, resulting in waste minimization. It is a comprehensive process.”

*DOE’s Environmental Management Science Program supports basic research to clean up DOE legacy sites and the technologies that have emerged from the program can also be used in response to radiological incidents. — Kay Cordtz

For more details on this research, which was done using beam lines X11A and U4A at BNL’s National Synchrotron Light Source, see www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=05-69.

BWIS Reception Chasman Scholarship Presentation, 9/1

Brookhaven Women in Science (BWIS) invites the BNL community — employees, facility users, visitors, guests, and their families — to a summer reception and presentation of the Renate W. Chasman Scholarship for Women, on Thursday, September 1, at 5:15 p.m. in the Physics Seminar Lounge, Bldg. 510. Refreshments will be served. For more information, contact Lorale Smart, Ext. 2425, or lsmart@bnl.gov.

SBU Launches Saturday MBA Program

This fall, Stony Brook University’s College of Business is launching a Saturday MBA program for working professionals. To enroll or learn more, go to <http://saturdaymba.info>. or www.stonybrook.edu/sbbusiness or call 632-7171.

In this program, working professionals attend class on Saturdays only, with the option of combining Saturday classes with an evening program. Students with five years’ working experience can earn the MBA in two years. Others will require an extra semester. The program may also be stretched beyond two years if students prefer a slower pace.

Roll Up Your Sleeve: Blood Drive, 9/8

To replenish Long Island’s blood supply, BNL is holding a blood drive on Thursday, September 8, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Donors must be from 16 to 76 years of age, in good health, and weighing over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number.

To make an appointment, contact Susan Foster at Ext. 2888 or e-mail donateblood@bnl.gov. In your message, include your name, phone extension, and preferred time to donate.

Safety Shoe Office

The Safety Shoe Office is closed until August 29.

Arrivals & Departures

Arrivals

None

Departures

Victoria Kircher Ctrl. Fab. Svcs.

Calendar

(continued)

Wed. & Thurs., 8/24-25

Verizon Wireless Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from Verizon will present BNLers with special rates on their wireless products and services. For more information, contact Edwin Kang, 516-459-2635.

Friday, 8/26

BNL Science Museum Open

11:30 a.m.-1:30 p.m. BNL Science Museum. Last Friday this year when the Lab community, with their families and friends, may visit the museum. The gift shop will also be open. Children under 14 years old must be accompanied by an adult.

— WEEK OF 8/29 —

Monday, 8/29

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the Union Office. The agenda includes regular business, committee reports, and the president’s report.

Thursday, 9/1

*Chasman Scholarship Presentation

5:15 p.m., Physics Seminar Lounge, Bldg. 510. Brookhaven Women in Science (BWIS) invites BNLers to a summer reception and presentation of the Renate W. Chasman Scholarship for Women. Refreshments will be served. For more information, contact Lorale Smart, Ext. 2425, or lsmart@bnl.gov.

— WEEK OF 9/5 —

Tuesday, 9/6

Trip to U.S. Open Tennis

8:30 a.m. Lab tennis courts parking lot. Some seats remain on the bus trip to the U.S. Open Tennis championships at the National Tennis Center. Bus will depart the Tennis Center at 7:30 p.m. \$65 per person includes admission (\$45), the roundtrip bus fare, and tip for the driver. Buy tickets at the BERA Sale Office in Berkner Hall, Ext. 3347.

Thursday, 9/8

‘Books Are Fun’ Book Fair

10 a.m.-2 p.m., Berkner Hall. Great selection, save 20 to 70 percent off retail.

— WEEK OF 9/12 —

Tuesday, 9/13

BSA Colloquium on Science Policy

4 p.m. Berkner Hall. Patrick Looney, Assistant Laboratory Director for Policy and Strategic Planning, will give a BSA Colloquium on “Science Policy and Politics.” All are welcome to this free public lecture. Visitors of 16 and over must carry photo ID.

— WEEK OF 9/19 —

Wednesday, 9/21

Brookhaven Lecture

4 p.m. Berkner Hall. Vasilis Fthenakis, Environmental Sciences Department, will talk about “Photovoltaics and the Environment.” All are welcome to this free public lecture. Visitors of 16 and over must carry photo ID.

Sunday, 9/25

BERA-Sponsored NASCAR Trip

Dover, Delaware. \$110 per person includes great seats and luxury coach bus. Advance reservations are necessary and can be made at the BERA Store, weekdays, 9 a.m.-3 p.m. See also www.nascar.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.

Last of the 2005 Summer Sundays Features the Relativistic Heavy Ion Collider

This summer, combine free family fun and learning something about the tremendous discoveries at the Lab by visiting BNL on the last of the 2005 Summer Sundays. You can try out interactive exhibits, see an entertaining science show, and each week, tour a different facility and meet a scientist who will tell you in nontechnical terms about some of BNL's forefront research.



Roger Stoutenburgh CN9-52-96

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/.

The Deputy Director has exempted the following positions from the freeze:

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates. NS2645. SR. CONTRACTS SPECIALIST (A-8, two positions, reposting, ERAP Eligible - \$1K) – Requires a BA in business administration or equivalent experience, knowledge of Federal Acquisition Regulations particular to cost type and fixed price contracts and 10 years' related experience including experience with high-tech and electronic equipment. Must be well versed in all aspects of procurement in a government contract environment including drafting RFPs, proposal evaluation, cost and price analysis, negotiation, drafting of contracts and modifications and contract administration. Must have excellent written and oral communication skills, familiarity with Microsoft Word and Excel, and a customer service orientation. Demonstrated experience in teaming with technical requestors and quality assurance personnel in a scientific or high tech environment is desirable. Under minimal supervision, will be responsible for obtaining desired equipment and services through contractual agreements. Procurement & Property Management Division.

Motor Vehicles & Supplies

- 04 HONDA 250EX - Sportrax ATV, 250cc, Red, low hours, elec start, 5-sp, auto clutch, direct drive, \$2,995. Ext. 7237 or 929-6571.
- 03 MERCEDES C240 4MATIC WAGON - V6, pwr. s/roof, 6CD changer, <http://usr.v7.com/ts/>. 22K mi. \$24,900. Taka, Ext. 8408.
- 01 CHEVY SUBURBAN LS - 4wd, c/c, a/c, a/t, p/w, p/l, AM/FM/CD, 4 dr., 8-cyl., 3rd row, seats 9, 56K mi. \$17,000/neg. 516-982-3470.
- 99 MERCURY GS SEDAN - a/t, radio, no a/c, avail 8/29. 81K mi. \$1,999. Taka, Ext. 8408.
- 98 HONDA CIVIC EX COUPE - Black - New tires and batt. pl, p/b, 2 dr, a/c, abs, p/w, p/s. 82K mi. \$6,700/neg. Ext. 4705 or 929-4978.
- 96 CHRYSLER CIRRUS LXI - 4-cyl, a/t, a/c, abs, c/c, p/w, leather, good cond, recent insp. 75K mi. \$2,800/neg. Mark, Ext. 2247.
- 94 RANGE ROVER COUNTY LWB - V8, awd, abs, a/t, all pwr., m/rf. 19 mpg hwy. 123K mi. \$3,900/neg. Ext. 4459 or 751-2095.
- 93 CHEVY LUMINA - 6-cyl, 4dr, a/c, abs, p/b, p/l, p/s. gd cond., needs some work, 100K mi. \$500/neg. Ext. 7129 or 516-779-3116.
- 91 CHEVY S10 BLAZER - 4.3L 4wd., new alt., batt., starter, just tuned. \$1,275/neg. 872-2788.
- 91 CHEVY CAPRICE - . 66K mi. \$1,500/neg. Richard, Ext. 7129 or 516-779-3116.

90 MERCURY TOPAZ - 4-dr. GS sedan p/l, c/c, tilt, remote trunk, 4 new tires, runs. 85K mi. \$500/neg. Ext. 4553 or 219-1660.

83 MERCURY COLONY PART WAGON - classic car cond., all pwr., leather, gar., one owner. 76K mi. \$3,400. Rodney, 751-7023.

8' PICKUP CAP - white, fiberglass, excel. cond., \$500. Roy, Ext. 4843 or 727-6714.

TRUCK CAP & TONNEAU COVER - fg cap & vinyl cover, fits Ford Ranger size pick up truck, good cond., no leaks. \$250. Ext. 8733.

Boats & Marine Supplies

22' PEARSON SAILBOAT - incl. 25HP outbrd., good compression, don't know if it runs, no fuel tank. \$1,000. Ext. 4160 or 949-0658.

24' PROGRESSION 24LD - 250 Merc trir, Latham, cabin, every option. Mint. \$40,000/neg. Rob, 646-207-0878.

OUTBOARD MOTOR - 5 hp Mercury, like-new condition, fresh water use only, \$475. Bob, 631-327-0106.

Furniture & Appliances

BEDROOM SETS - 2, full master sets, \$150 ea; 2 mtchg. night tables, \$15/both; daybed, \$125; bassinet, \$20. Ext. 7007 or 473-9678.

BOOKCASE - 3-shelf bookcase with adjustable height. \$30. Jeff, 834-0143.

COMPUTER DESK - Holds midsize tower and up to 19-in monitor. Built-in CD rack, pull out keyboard tray and shelf. \$50. 834-0143.

COMPUTER TABLE - from IKEA, 6 months old. Birch effect/white, \$30. Ext. 2352.

DINETTE SET - Canadel, birch table w/4 chairs 38x60 & 18" leaf; white wash w/cherry top & seats; \$500. Ext. 2494 or 928-6496.

DRYER - Roper electric, XL capacity, good cond., best offer. Gregory, Ext. 7810.

REFRIGERATOR - small 1.8 cu. ft. Haier, used during kit. renovation for one month, perfect for dorm, quiet. \$40. Brian, Ext. 2799.

MOVING SALE - 2 Ikea Poäng armchairs & footstool, \$100; TV stand \$20; rem. contr. fan, \$30; black floor lamp \$30. Bernd, Ext. 3640.

Tools, House & Garden

LAWN TRACTOR - Ariens 8HP, batt. start, 30-in. w/catcher, excel. cond. \$450. 327-0106.

Wanted

AIR CONDITIONER - Compact window unit for student's dorm room, 115V, reasonable. Ext. 7505.

APT OR HOUSE - 2 bedroom rental in SWR School District. Male, Prof., single parent with 15 year old son. Don, Ext. 7237 or 929-6571.

CHAISE LOUNGE - in good condition, fully reclining, cheap. Maxim, Ext. 3621.

CRAFTERS - If you cross-stitch, quilt, applique, etc., join us at noon on the first Tues of each month. Maria, Ext. 5483.

In Appreciation

To my friends and co-workers, especially DJ, Joe & Barbara, I extend a big "Thank You!" for the wonderful farewell party. I won't soon forget my 38 years at BNL and all the great people I got to know. I will miss you all.
— Robert Marascia

Our deepest appreciation to everyone for your prayers and support. The love and caring during my son's recovery have been overwhelming and heartwarming. Words cannot truly express our gratitude.
— Terri Loffredo & family

Once again, I want to thank BNL friends who contributed to Ed's Memorial Fund. Donations have been made to the Foundation for Ecological Research in the Northeast (FERN), and to the American Heart Association in his memory. — Jane Koropsak

To all my BNL friends, thank you for the barbecue luncheon and gifts. I will treasure the memories throughout my retirement.
— James Downing

We regret that ads omitted for lack of space must be resubmitted.

No reservations are needed. Visitors, including anyone from the Lab community, may arrive at any time between 10 a.m. and 3 p.m. All visitors age 16 and over must bring a photo ID.

As on every Sunday, the educational and entertaining "Whiz Bang Science Show" will be staged at 10:30 a.m., noon, 1:30 p.m. and 3 p.m.

In addition, visitors may test their creative and problem-solving skills at the Brain Teasers exhibit in Berkner Hall lobby.

Artifacts from Camp Upton — the U.S. Army base that occupied the Lab site during World Wars I and II — will also be on display.

This Sunday, 8/21, visit the Relativistic Heavy Ion Collider, and see the 2.4-mile underground ring (see photo at left).

8/21 - Exploring Matter at the Beginning of the Universe

What do you get when you smash together two beams of gold particles moving at 99.9 percent the speed of light? At the Relativistic Heavy Ion Collider, known as RHIC, scientists use detectors such as PHENIX and STAR, three stories tall, and other specialized detectors, BRAHMS and PHOBOS, to probe matter that existed in the first millionth of a second after the Big Bang. It's astounding — and not to be missed!

Save the Date: Walk for Beauty, 9/18

The 12th Annual Walk for Beauty will be held on Sunday, September 18, in Stony Brook. The annual four or six kilometer walk through scenic, historic areas of Stony Brook raises funds for breast and prostate cancer research at Stony Brook University.

BNL's Women's Program Advisory Committee is gathering a team from the Lab. The Walk for Beauty flyer and brochure, which includes the registration form, walker sponsor sheet, and driving directions, are on the Women's Program website at: www.bnl.gov/diversity/womansProgram.asp.

All participants are responsible for their own registration and fee of \$20, or sponsorship. If you have any questions, contact Stacia Scocca, Ext. 3979 or scocca@bnl.gov.

Weight Watchers

Registration for the next Weight Watchers 10-week series will be held on Wednesday, September 7, noon-1 p.m., in the Brookhaven Center. The new series will begin on Wednesday, September 14. For more information, contact Michael Thorn, RN, Health Promotion Coordinator, Ext. 8612.

Retirement Counseling

A TIAA-CREF consultant will visit BNL on August 22, 30, and 31, to answer employees' questions about financial matters. The consultant will help you with: protecting assets against inflation, finding the right allocation mix for you, learning about TIAA-CREF retirement income flexibility, and comparing lifetime income vs. cash withdrawal options. For an appointment, call Kathy Murphy, (866) 842-2053, Ext. 4625. (Not the on-site Ext 4625.)

One-on-One Retirement Planning

The Vanguard Group invites BNLeers to spend 45 minutes one-on-one with a licensed Vanguard representative on Wednesday, September 28, at the Lab, to talk about financial issues.

You may learn about: investing for long-term goals such as retirement; selecting funds for your savings; and making the most of the services and investment tools available to you.

Schedule a 45-minute session online at www.meetvanguard.com or call 1-800-662-0106, Ext. 14500.

Donate School Supplies

Back packs, pads, pens and pencils, folders, glue, and all general school supplies are being collected to help local children in need. Drop donations at Building 179B in the Quality of Life /BERA/Recreation Office; or send a check made payable to BERA so that supplies can be bought for those in need.

On-Site Service Station

Need your vehicle inspected, or your brakes, battery or tires checked and/or replaced? This and much more can be done at the on-site service station while you are at work. Call Ext. 4034 for more information.

Farmer's Market

The Farmer's Market will be outside Berkner on Wednesdays until August 31, 11:30 a.m.- 1:30 p.m. Buy fresh produce, crafts, and more.

For more information, call Joanne Rula, Ext. 8481.

Tennis, Anyone? Trip to U.S. Open, 9/6

The BERA Tennis Committee has scheduled a repeat of its popular bus trip to the U.S. Open Tennis championships at the National Tennis Center, to be held this year to be on Tuesday, September 6. The bus will leave from the Lab tennis courts parking lot at 8:30 a.m. and make one stop at exit 63 at the Park and Ride on the Long Island Expressway. Departure from the National Tennis Center will be at 7:30 p.m.

The cost of the trip is \$65 per person, which includes a ticket for the day session (now \$45) and the roundtrip bus fare and tip for the driver.

Paid reservations are being accepted in the BERA Sale Office. Join us for this day of tennis, but sign up soon, only 15 seats remain available.

Softball Party, 9/30

The BERA Softball League End of Season Party will be held on Friday, September 30, from 6 to 10 p.m. at the Rock Hill Country Club.

If purchased by August 31, tickets for players cost \$25, guests \$30. Tickets purchased after August 31 cost \$30 for softball players and \$35 for guests. Price includes dinner buffet, cookies, coffee, DJ for dancing, and a cash bar. Everyone is welcome, but there is limited seating. Tickets are available at the BERA Sales Office in Berkner Hall; from Rich Scheidet, Bldg. 134C, Ext. 5284; or from Lois Marascia, Bldg. 460, Ext. 8600. Make checks payable to BERA Softball. A limited number of tickets will be available at the door.

Fidelity Investment Counseling, 9/29

A Fidelity Investment representative will be at the Lab on Thursday, September 29, 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.

Jazzercise Session Begins, 8/13

Sign up now for Jazzercise classes that will begin on Tuesday, September 13, and will be held on Tuesday and Thursdays at noon in the Recreation Hall. Registration for the eight-week session is \$88 and must be paid in full by September 6. If you are brand new to Jazzercise, then you may come and try a free class before joining. For more information, contact the Recreation Office, Ext. 2873.

Operation Phone Home

The Upton Post Office is encouraging people to participate in the U.S. Postal Service's "Operation Phone Home Program." This program sends phone cards to the men and women serving overseas to allow them to keep in touch with their families. You may purchase and donate the phone card at the Upton Post Office to be distributed to local service members. If you have family members or friends who are serving, give their names and addresses to the Post Office staff, who will see that they receive a phone card. The price of a card is \$10 or more, but if you are unable to buy an individual card, you may place a donation for whatever you can afford in a bucket that will be on the counter. This group fund will be used to buy and donate more phone cards. For more information, call Ext. 2539.