

Budget Picture

Recent news out of Washington reported on the House Appropriations Committee's restoring money to the fiscal year (FY) 2006 budget that could directly benefit BNL's nuclear physics, National Synchrotron Light Source, and medical imaging programs.

This news followed a visit to BNL by U.S. Representative David Hobson, Chairman of the House Energy and Water Development Appropriations Subcommittee, and U.S. Representative Tim Bishop, who both attended the Center for Functional Nanoscience (CFN) site dedication on April 15. During their tour of the Lab, Hobson had interacted with researchers, and he praised their enthusiasm and the value of their work in his subsequent talk at the site dedication.

The Bulletin asked BNL's John Hauser, Interim Assistant Laboratory Director for Finance, to explain some of the implications of the present more positive budget picture. Hauser responded with the following memo:

On May 18, 2005, the House Appropriations Committee voted on their portion of the Energy and Water Appropriations Bill. This bill contains funding for DOE. Included in this budget bill is \$3.7 billion for the Office of Science, BNL's prime DOE sponsor. This amount is \$203 million (M) above the President's budget of last February of \$3.5 billion.

Although the increase is good news for the Office of Science, there is the other side of the equation yet to be determined by the Senate. Senators must now complete their FY06 budget process and produce their version of the budget. When the two sides are complete, they will "conference" to determine a final and single budget amount to be sent in the completed bill for the President to sign into law or veto.

We are optimistic that the Senate will appreciate the need to increase the sup-

port of science. Only time will tell us the final amount.

At the moment, with the action by the House, nuclear physics funding is up \$37.6M, which includes "\$31.6M provided to restore operating time of the user facilities [such as the Relativistic Heavy Ion Collider] to fiscal year 2005 levels." Biological and environmental research is up \$70M, which includes earmarking \$35M for medical applications and measurement science. This is welcome news for BNL's imaging program. Funds for basic energy sciences are also up \$27.1M above the President's budget, with \$19.7M "provided to maintain operating time on user facilities at fiscal year 2005 levels." Funds for the BNL Center for Functional Nanomaterials remain at \$36.55M. These increases are welcome and definitely moving in the right direction. — John Hauser

Urban Dispersion Field Study — Behind the Scenes Helping Plan Response to Potential Terrorist or Chemical Spill Events

Two days of winter field studies for the Urban Dispersion Program (UDP), designed to contribute valuable data to computer models of how gases move in urban winds, were held in New York City in March 2005. The four-year program has a budget of \$10 million and aims to improve existing models of how a gas or chemical release might move around Manhattan's tall buildings and canyons. Emergency management, law enforcement and intelligence personnel can use these models to plan for, train for and respond to potential terrorist attacks and accidents involving toxic industrial chemicals. The March field study, called Madison Square Garden 2005 or MSG05, involved detailed meteorological observations and a tracer gas release. An account of a field study day appeared in the April 1 Bulletin. The following story profiles some of the BNL staff from the Environmental Sciences Department (ES), the Energy, Environment & National Security Directorate (EENS), the Office of Educational Programs (OEP) and others who worked for many months behind the scenes to ensure the success of this phase of the ongoing project.

Late last summer, Scott Smith and Ray Edwards of ES began assembling the tripods, computers and other electronic equipment they would use to build weather stations for the Urban Dispersion field studies, scheduled for the following spring. During the winter months, ES's Earth Systems Division (ESD) staff members designed 11 meteorological towers to be placed on the ground at the corners of Madison Square Garden and on the rooftops of several nearby buildings. Victor Cassella of ESD contacted the managers of the buildings selected as sites for the weather stations.

"All the building managers were very cooperative," Cassella said. "They offered their resources to be part of the solution to the terrorist threat and contribute to the success of the project."

During a bitterly cold February, one

month before the field studies began, Smith and Edwards began transporting the equipment from Bldgs. 490, 815, and 830 at BNL and assembling it on the roofs of One and Two Penn Plaza, the New Yorker Hotel and the U.S. Post Office on 8th Avenue to prepare for the two-day experiment. While another BNL team tracked the movement of small releases of tracer gases, the meteorological team headed by Principal Investigator Michael Reynolds, ES, would measure which way the wind was blowing.

"Everything comes together in the computer models," Reynolds said. "Our measurements will be used to validate the existing models."

Watching the Weather

Tracer releases need to occur during specific weather conditions, and as the three-week window designated for the studies approached, Cassella was also responsible for monitoring three-day weather forecasts. Cassella teamed with National Weather Service colleagues on the Upton site and Professor Brian Colle of Stony Brook University to forecast the most suitable days for the two experiments. A conference call was held each morning to discuss the forecast and take recommendations. When a tentative date was picked, a call was held at 10 p.m. the night before to confirm its suitability.

"We wanted a consistent day, with winds blowing from the same direction all day," Cassella said. "We didn't want precipitation because of the computers, and we didn't want the gas to be held down by inversion, where clouds can form a ceiling below the tops of the buildings."

Early on the morning of an experiment, the meteorological and tracer instruments had to be deployed before the tracers were released. The meteorological team was supported by BNL staff from across the Lab, including Lou Gerlach from the EENS Directorate Research

'WSYFNY' — Work Safely, Your Family Needs You

Work safely, your family needs you," says James Tarpinian, Assistant Director for Environment, Safety, Health & Quality.

Recently, BNL was treated to a live presentation from a world-renowned safety motivational speaker, Charlie Morecraft. Says Tarpinian, "For those who were fortunate enough to see Charlie, you may remember one of his main messages, 'Safety is about families.' This theme will be prominently featured during National Safety Month, which the National Safety Council sponsors each year during the month of June. This year's theme is 'Safety: Where We Live, Work and Play.'"

It turns out that historically, June is a month when more accidents are likely to happen at the Lab. "Last year we had five serious injuries in June," says Tarpinian. "National Safety Month offers us an opportunity to reverse this historical trend."

BNL Director Praveen Chaudhari strongly backs this goal. "I challenge the Lab to strive to work injury-free during the month of June," he says. "Staying focused is the key, and I ask everyone to redouble their efforts to think safely."

Tarpinian appreciates the excellent safety efforts being made around the Lab. "We know that many groups of BNL employees have successfully completed long periods without

having any injuries," he says. "Together with Pat Williams, I warmly congratulate all concerned for their many months and in some cases, years, without injuries that cause lost time on the job."

Among the groups specially congratulated by Tarpinian and Williams, who is the Manager of the Safety & Health Services Division, are: the Staff Services Division, celebrating a full year without a lost work day; the Environmental & Waste Management Division,

which exceeded 700 days; the Life Sciences Directorate, which has worked over 2,700 days; and the Instrumentation Division, with over 11 years of no lost days to its credit.

"We know that some workers in some of these groups have jobs in which injuries are less likely than in the work done by others," says Tarpinian. "But it is not a question of measuring one person against another. We stick together, and we need to be sure that everyone, one way or another, is working safely — first, because of the benefit to our own health and safety, and also, because this effort directly furthers the national labs' and DOE's goal of producing world-class science while maintaining absolutely safe and efficient operations."

This goal, which is constantly emphasized by Director of the Office of Science Ray Orbach, is extremely challenging.

But, "With continuing effort from all of us, I am confident that BNL is up to it," says Tarpinian.

Says Williams, "In keeping with this year's National Safety Council theme, we will hold some events that help people and their families keep safe off the job. We are arranging some brown bag

It's hard to share concerns about safety without everyone's thinking, 'Oh, not again!'

lunches during the month, when anyone who is interested can come and learn various tips on things we have to do at home. We'll have some fun prizes for all who attend the talks

and a bigger raffle prize for people who attend more than one talk."

"It's hard to share concerns about safety without everyone's thinking, 'Oh, not again!'" admits Tarpinian. "But our safety record means so much to every employee personally and to the Lab as a whole, that we have to keep reminding ourselves that just one moment of distraction can cause an injury, while just a little more concentration can keep us and our families safe."

— Liz Seubert

Get Tips on Home Safety

Brown Bag Lunch Sessions: Berkner Hall, Room D

Noon-1 p.m., Wednesday, 6/1 — Home Chemical Safety

Noon-1 p.m., Monday, 6/6 — Bicycle Safety

Noon-1 p.m., Friday, 6/10 — Yard Maintenance Safety

Operations staff, who helped set up some of the rooftop equipment.

"It was really cold up there," he remembered, "but the view was breathtaking."

BATS and CATS

The task of releasing the gas and tracking its dispersion was handled by the tracer team using Brookhaven Atmospheric Tracer Samplers (BATS) and Capillary Absorption Tube Samplers (CATS). Other team members analyzed and produced visualizations of the data captured by the BATS and CATS. Tom Watson, Atmospheric Sciences Division (ASD), set up the release of the tracer gases. John Heiser, Environmental Science & Technology Division (ERTD) and Tracer Team

Principal Investigator, coordinated tracer fieldwork, supervising the efforts of more than 40 students from two Brooklyn colleges who helped monitor samplers and

(continued on page 2)

Members of the Urban Dispersion Program meteorology team at the BNL Met Tower are calibrating instrumentation used in the NYC project. From left are: Victor Cassella (standing), Michael Reynolds, Ray Edwards, and Scott Smith.



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 & Wednesdays: Pilates

Mon., Noon-1 p.m. in the Rec. Hall; Wed., 5:30-6:30 p.m. in the Rec. Hall. Christine Carter, Ext. 5090.

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon., noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., noon-1 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. North Room. 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. Cindy Ottemann, 849-2646.

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.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$5 per class or \$40 for ten classes. Rec. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tuesdays & Thursdays: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistration is required. Christine Carter, Ext. 5090.

Tues., Thurs., Fri.: Upton Nursery School

8:30-11:30 a.m. Rec. Hall. Two- and three-day program avail. 727-8082 or Ext. 5090, for information.

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. Kati Petreczky, 821-4131.

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.

Wednesdays: Open Chess Night

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

Wednesdays: Dance Lessons

5:15-8 p.m. Brookhaven Cntr., North Room. BNL Ballroom Dance Club hosts lessons, beginner to adv. John Millener, Ext. 3853.

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, 5/27

Hispanic Heritage Club Meeting

Noon. Berkner Hall, Room B. All are welcome. Omar Gould, Ext. 2656.

— WEEK OF 5/30 —

Monday, 5/30

Memorial Day Observed

BNL will be closed in honor of Memorial Day. The Cafeteria will be open 7:30 a.m.-2 p.m. for breakfast and lunch. The Center Club will be closed Saturday and Sunday, and also on Monday, 5/30, as will the gym and swimming pool. No Bulletin will be published on Friday, June 3.

Helping Plan Response to Potential Terrorist or Chemical Spill Events

gather data during the field studies. Four other ERTD members — Mark Furman, Jay Adams, Jeff Fitts and Larry Milian — each supervised a group of students stationed on the streets around Madison Square Garden with portable air samplers. OEP's Ken White and Noel Blackburn had developed relationships with several professors through BNL's Faculty & Student Teams program, and these contacts produced valuable student assistance.

"The students brought a wealth of resources and energy to the project," Blackburn said. "In redefining OEP's mission, one of our goals is to develop programs which add value to our scientific community. Utilizing students in this manner is one example how informal education can assist us in obtaining this goal."

While the students stood on street corners, Bob Wieser, Rick Wilke and Gabe Vignato, ASD, cruised the outer perimeter of the study area with a van-mounted instrument designed by Russell Dietz and Wieser, which tracked the presence of the gas. The instrument, built and calibrated at BNL, was developed for Keyspan to locate leaks in underground pipes.

When the field study was over, the tracer team members dismantled all the equipment and collected samples for analysis at the Lab, to be performed by Wilke, Watson and Dietz.

Terry Sullivan, who also assisted in coordinating the tracer releases on the test days, and



Pictured with the air samplers used in several locations during the New York City field trip are (front, from left) John Heiser, Environmental Sciences (ES) Department; Terry Sullivan, ES; and Lou Gerlach, Energy, Environment & National Security Directorate; (back, from left) Linda Satalino, ES; Noel Blackburn, Office of Educational Programs; Larry Milian, ES; and Alice Cialella, ES.



Data from the New York City experiment were collected and brought to BNL to be analyzed by (from left) Bob Weiser, Tom Watson, Rich Wilke, and Russell Dietz. Not present is Gabe Vignato, who prepared the samplers for use in the field.

Women in Science Career Day at BNL

Ten female students from the Henry Viscardi School, an Albertson, Long Island-based school for children with physical disabilities and health impairments, learned about scientific careers first-hand from female researchers at BNL. The career day was coordinated by Brookhaven Women in Science and funded by Brookhaven Science Associates. During the day, Jeanne Petschauer (standing, left) from the Community Relations Office gave an overview of BNL's breadth of scientific interests, and Lisa Miller (right) of the National Synchrotron Light Source Department discussed her path to becoming a chemist and her research on such diseases as osteoarthritis, osteoporosis, and Alzheimer's disease. Linda Bowerman of the Atmospheric Sciences Division explained some of BNL's environmental research, and physicist Angelika Drees described her work with other scientists to discover more about the earliest moments of the universe now being studied at the Relativistic Heavy Ion Collider. Among the students present were (front, from left) Adeline Joshua and Stephanie Avramenko.



Hispanic Heritage Club Meeting Today, 5/27

The Hispanic Heritage Club of BNL will have a general meeting today, Friday, May 27, at noon in Berkner Hall, Room B. This general meeting welcomes all individuals, members and non-members interested in the Hispanic Heritage Club. For information, contact Omar Gould, Ext. 2656, ogould@bnl.gov.

(cont'd.)

Alice Cialella work on visualizations, taking spread sheets of numbers and plotting the data on a map in a number of ways, including a movie that shows gas concentrations over time.

Paul Kalb, ERTD Division Head, who coordinated the various BNL teams, said that the field tests "were a truly collaborative group effort, in which everyone pitched in to do what was needed." For example, on the first test morning, ES Chair Creighton Wirick could be found monitoring a gas cylinder on a street corner to give the designated technician a break from the cold, while Kalb delivered donuts to students standing outside with air samplers.

Valuable assistance also came from other sources: Dietz advised on aspects of the tracer technology, which he helped develop over the past 30 years. Linda Satalino ordered equipment and provided administrative support. ESD's John Nagy, Keith Lewin, and Bill Behrens gave support as needed, and Community, Education, Government & Public Affairs staff provided guidance to a phalanx of media representatives covering the story.

Heiser praised all the teams' professionalism. "In large field experiments, something always goes wrong so you have to be versatile and fix things quickly," he said. "These teams overcame everything that came up without complaint, on a very tight schedule with reporters everywhere." — Kay Cordtz

2005 RHIC & AGS
Annual Users' Meeting
June 20-24

The Relativistic Heavy Ion Collider (RHIC) & Alternating Gradient Synchrotron (AGS) Annual Users' Meeting will include three days of topical workshops followed by two days of plenary sessions on Thursday, June 23 and Friday, June 24. The plenary program will include the latest results from RHIC, AGS, and NASA Space Radiation Laboratory; reports from Washington, elections, awards, an Open Forum Meeting, thesis awards, poster session with prize for best student/post-doc poster, and a banquet. Workshops are scheduled for Monday through Wednesday. An End-of-Run Party will follow the plenary session on Friday afternoon at 4 p.m. in Building 510 courtyard. □

For more information, with a complete list of workshops, go to http://www.bnl.gov/rhic_ags/users_meeting/.

In Memoriam

The Bulletin greatly regrets that, due to an editorial error, some information regarding BNL employee Arthur Swenson in the In Memoriam article on May 20th was incorrect. The correct information is below.

Arthur Swenson, who joined the General Shops Division as a machinist on September 5, 1950, died on January 11, 2005, at 82. He became a senior technical specialist in the Chemistry Department in August 1971, and he retired on June 30, 1977.

Isadore Danowski, who joined the Medical Department on October 19, 1966, as a research services assistant III, and retired on May 31, 1985, as a senior veterinary services assistant, died on January 13, 2005. He was 82.

Arrivals & Departures

Departures

Stephen Adler Physics
Michael Loftus Magnet
Alexander Nass CAD
John Whitehouse Ops. Dir.
Xian-Zhi Zhou Biology

Free Movie Night, 6/9
Maya Lin, Architect

All are welcome to attend a fascinating film on Maya Lin, the architect who designed the Washington, DC, Vietnam Memorial. "Maya Lin: A Strong Clear Vision," will show at 5:30 p.m. on Thursday, June 9, in Berkner Hall, sponsored by the English for Speakers of Other Languages program, the BERA Asian Pacific American Association and the BERA Social & Cultural Club.

Meet Ella McLean, BNL Retiree, Hospital Volunteer

Through the Lab's Volunteers in Partnership (VIP) program, which organized the Volunteer Expo held in Berkner Hall last November, BNL has "discovered" many employees who give their time and effort to various community causes. The Bulletin is featuring these volunteers, and others, as space is available, to show what they do and how others may join with them if interested. The VIP program, which is funded by BSA, is always looking for BNLeers who volunteer for different causes and may need some assistance that VIP may be able to provide. Contact Barbara Blenn, Ext. 4458 or blenn@bnl.gov for more information.



Ella McLean, who worked in the Lab's Photography Department for 22 years, and retired in 1988, has excelled in another line of work — she is a volunteer in the gift shop at Brookhaven Memorial Hospital Medical Center, East Patchogue, for over 43 years. McLean has logged in over 7,000 volunteer hours and was honored for her services, along with other volunteers, at the hospital's annual volunteer awards luncheon on April 30.

McLean's primary effort is in ordering beverages and updating inventory for the hospital gift shop. She also tends to patients, employees, and visitors who stop to shop and is one of the best known "pink ladies" — a nickname derived from the

volunteers' pink smocks — around the hospital.

Says McLean, "I just love to assist visitors in selecting a gift for the special someone they come to visit. The little stuffed animals are always our best-seller; everyone loves them. I remember back in the 1960s when several of the volunteers and I would sew handmade ki-



At the gift shop in Brookhaven Memorial Hospital in East Patchogue are: (from left) volunteers Ella McLean, BNL retiree, and Florence Goldfarb; and customer Martha Diaz.

monos for new babies. We don't do that anymore, but we do keep a well-stocked gift shop."

McLean has watched the hospital grow in size and services. Several years ago, she sold a portion of her property, which borders the hospital, so that the hospital parking facilities could be enlarged and better accommodate employees and visitors.

"I have met many wonderful people over the years. If I have made one person smile for each hour I have volunteered, then it's well worth my efforts," she said.

Volunteers are always welcome! If you are interested in becoming a Brookhaven Memorial Hospital volunteer, call June Milewski, 654-7737.

— Jane Koropsak



Noon Recital: Hofstra String Quartet, 6/1

The Hofstra String Quartet — Alexander Sharpe, violin; Matthew Lehmann, violin; Thomas Stevens, viola; and Benjamin Wolff, cello, each an accomplished and traveled musician in his own right — will perform "Concert Miniatures" at Berkner Hall, on Wednesday, June 1, at noon.



Sponsored by BSA, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Plant Swap, 6/14

The fourth annual BNL plant swap "tailgate" will be held on Tuesday, June 14 (rain date June 16), at Berkner Hall parking lot, 11:30 a.m. - 1 p.m. Employees, retirees, and guests are welcome to bring in plants, seedlings and cuttings, and take plants home. Contact Beth Blevins, Ext. 6033, bllevins@bnl.gov, for details.

Benefit Notes: Qualifying Events

Changes to medical and/or dental coverage may be made during the benefits annual open enrollment. Also, certain changes may be made within 31 days of when a qualifying event occurs. Qualifying events include: birth or adoption of a child, marriage, divorce or legal separation, loss of dependent status (for instance, graduation, attainment of age limit, or no longer a full-time student), death of a dependent, change in the place of residence or worksite, or a spouse's gain or loss of employment. The Benefits Office will need documentation of the qualifying event.

For the change in benefits to be approved, the qualifying event must closely relate to the requested change in benefits. For example, if a child is born, a participant may add the child to his/her medical coverage. The participant cannot drop medical coverage at that time. In addition, depending on the situation, some items that you may want to update when you have a qualifying event are: covered dependents for medical and/or dental coverage, life insurance beneficiaries, retirement plan beneficiaries, tax withholdings on Form W-4, address change, emergency contact(s).

For more information or to make a change to your benefits within the 31 days of the qualifying event, contact the Benefits Office, Bldg. 185, Ext. 2877, Ext. 5126 or call (800) 353-5321.

Scharff-Goldhaber Prize Ceremony, 6/15

The 2005 Gertrude Scharff-Goldhaber Prize will be awarded to Ann Sickles, a graduate student at Stony Brook University (SBU), in a ceremony on Wednesday, June 15, at 3 p.m., in the Large Seminar Room of the Physics Department, Bldg. 510. BNL Distinguished Scientist Maurice Goldhaber will present the award consisting of a framed certificate and \$1,000. Ann Sickles will present a short seminar on her research titled "Jets and the Baryon Excess at RHIC." She will be introduced by her thesis advisor Barbara Jacak, SBU. Refreshments will follow the presentation.

Administered by Brookhaven Women in Science (BWIS), the annual Gertrude Scharff-Goldhaber Prize recognizes substantial promise and accomplishment by a woman graduate student in physics. Established in 1992, 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.

BWIS invites the Lab community and SBU's Department of Physics faculty members and graduate students to the award ceremony and reception. For more information, call Vinita Ghosh, Ext. 6226.

An Evening of Indian Classical Dance, 6/18

Join the BERA Indo-American Association on Saturday, June 18, 4:30-7 p.m., in Berkner Hall, for an evening of Indian classical dance. The dances will be presented by Jayalakshmi Eshwar, founder and director of the Abhinay School of Dance, which promotes Indian culture and art to able and handicapped students.

Tickets are \$8 for adults and \$5 children over 5 years, and \$30 for a family. Snacks are included. Buy tickets from: Sharadha Sambasivan, Ext. 4862, sharadha@bnl.gov, Kumi Pandya, Ext. 7734, pandya@bnl.gov, Piyush Joshi, Ext. 3847, joshi@bnl.gov

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Tuesday, June 14; Thursday, June 16; Monday, June 20; and Monday, June 27; to answer employees' questions about financial matters. The consultant will help BNLeers to understand the importance of protecting assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, compare lifetime income vs. cash withdrawal options.

For an appointment, call Kathy Murphy, (866) 842-2053, Ext. 4625. (Not the on-site Ext. 4625.)

Vanguard One-on-One Retirement Planning, 6/15

The Vanguard Group invites BNLeers to spend 45 minutes one-on-one with a licensed Vanguard representative at the Lab to talk about financial issues. Meet with a representative on Wednesday, June 15. 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.

BERA Recreation Offers

Stop by the BERA Store in Berkner or check the BERA website for the latest events, discount tickets and coupons, and trips. A repeat trip is being organized to the Culinary Institute of America, or you may prefer to sign up for a "Wicked" Broadway show.

Calendar

(continued)

Wednesday, 6/1

*BSA Noon Recital, String Quartet

Noon. Berkner Hall. Hofstra String Quartet. All are welcome to this free public concert, sponsored by BSA.

Thursday, 6/2

Cycletrons Motorcycle Club Meeting

5 p.m. Brookhaven Center. The Cycletrons, BNL's Motorcycle Club, meets on the first Thursday of each month. All are welcome. For more information, contact Frank Dusek, Ext. 2022, or dusek@bnl.gov.

Sunday, 6/5

*Hospitality Bus to New York City

9 a.m. - approx. 7:30 p.m. Bus will leave from the Recreation Bldg. in the apartment area and leave the city at 6 p.m. 410 for adults, children 2-12, \$5. pay in advance in cash. Jing Rochman, deshanghi@yahoo.fr or 891-9430.

— WEEK OF 6/6 —

Wednesday, 6/8

Costco Wholesale Club Demo

9 a.m.-1 p.m., Berkner Hall. Representatives from Costco Wholesale Club will present BNLeers with discounted rates on memberships and membership renewals.

BREA Summer BBQ

Noon-4 p.m. Brookhaven Center. Old-fashioned BBQ with extras: Special guest speaker County Executive Steve Levy, and music by DJ Ed Taylor. To attend, send a check made out to BREA for \$25 per person, addressed to Brookhaven Retired Employees Association, Bldg. 475C, BNL, Upton, NY 11973-5000. Bring a photo ID to show at the main gate.

Thursday, 6/9

*Free Movie on Maya Lin, Architect

5:30 p.m. Berkner Hall. All welcome to this free documentary film, *Maya Lin: A Strong, Clear Vision* on the life of the Chinese-American architect who designed the Vietnam Memorial in Washington, DC. Sponsored by the English for Speakers of Other Languages program, the BERA Asian Pacific American Association and the BERA Social & Cultural Club.

— WEEK OF 6/13 —

Wednesday, 6/15

*Scharff-Goldhaber Prize Ceremony

3 p.m. Large Seminar Room, Physics Department, Bldg. 510. All are welcome. See notice at left.

Friday, 6/17

*Movie Night and Dancing

6:30 p.m. Berkner Hall. The BERA Social & Cultural Club will show the film *Happy Ever After* — written, produced, and directed by Anthony DiFranco, who will introduce the show. Then, dance until midnight at the Brookhaven Center club. Buy tickets at \$10 for adults, \$5 for students with ID, and children under 12 years, at the BERA Store in Berkner Hall, or from Rudy Alforque, Ext. 4733. See page 4 also.

Saturday, 6/18

*Indian Classical Dance

4:30-7 p.m. Berkner Hall. Dances will be presented by Jayalakshmi Eshwar, founder and director of the Abhinay School of Dance. Tickets are \$8 for adults and \$5 children over 5 years, and \$30 for a family. Snacks are included. See notice at left.

— WEEK OF 6/20 —

Mon.-Fri., 6/20-24

*2005 RHIC & AGS Users' Meeting

Workshops and plenary sessions. See notice on page 2 and go to www.bnl.gov/rhic_ags/users_meeting/.

Mon., Tues., 6/20-21

*Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. See notice on page 4.

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.

Buy Hot Cakes at Upton Post Office!

Hot cakes is another way of describing the set of stamps commemorating four of America's great scientists, which are selling like hot cakes — the on-site U.S. Postal Service has already re-ordered them twice after selling out the previous supplies. Like all other scientific institutions, BNL is indebted to one of the scientists, Josiah Willard Gibbs, who died in 1903 having won the most prestigious awards of his era for his formulation of the modern system of thermodynamic analysis. But the other three scientists in the set have more or less apocryphal connections with the Lab says Dick Watson, a Physics Department retiree.



Barbara McClintock, who won the Nobel Prize in 1983 for her discovery of genetic transposition from her maize plant research, while she was at Cold Spring Harbor Laboratory, grew at least some of her corn at BNL.

Richard Feynman, 1965 Nobelist in physics for his work on quantum theory, visited BNL several times during the 1950s or 1960s. The story goes that his well-known absentmindedness led him on more than one occasion to drive straight through the guarded main gate without pause, which reportedly resulted in the time when he was stopped abruptly, confronted by a less-than-welcoming pistol, before he was allowed to enter the site.

And John von Neumann, whose significant contributions in pure and applied mathematics won him the 1956 Enrico Fermi Award, was also the first husband of Marietta Kuper, the first BNL employee.

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 employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present 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; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/default.htm.

The following positions have been exempted from the freeze by the Deputy Director:

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

TB2889. SR. ADMINISTRATIVE SERVICES ASSISTANT (A-3) - Requires an AAS in secretarial science or equivalent experience and excellent demonstrated organizational and interpersonal skills, excellent written and oral communication skills, a comprehensive knowledge of Laboratory policies and procedures and proficiency in MS Word, PowerPoint, Excel, Outlook, and Access. Must also have the ability to work independently, function effectively as a team member, exercise initiative and good judgment in a climate of changing priorities, have the ability to develop and implement systems to improve Division efficiency and effectiveness. Knowledge of PeopleSoft and FrontPage is desirable. Will provide varied support, including travel arrangements, preparation of personnel records, records management, tracking deliverables and corrective actions, arranging meetings/coordinating schedules, taking minutes and editing of correspondence and reports. Safety & Health Services Division.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates. MK3661. POSTDOCTORAL RESEARCH ASSOCIATE (Two positions) – Requires a Ph.D. in molecular biology, biochemistry, or structural biology. Experience in instrumental analysis (e.g., HPLC, LC-MS, and GC-MS) on plant secondary metabolites or in x-ray crystallography, preferred. Research will involve the study of biochemistry of plant natural product biosynthesis, structure-function relationship to the related key biosynthetic enzymes, and structural based enzyme engineering and metabolic engineering. BNL has a well-equipped synchrotron light source and the Biology Department provides a sound environment for interdisciplinary interaction in biochemistry, structural biology, and cell biology. Under the direction of C.-J. Liu, Biology Department.

Motor Vehicles & Supplies

04 SAZUKI QUAD - 250cc, yellow, semi-auto w/reverse, only used 2 hrs., mint cond. \$4,000/neg. Tom 338-9313.

03 FORD MUSTANG GT - Convertible, auto, silver/black, loaded, like new. 18K mi. \$18,995. Darlene, Ext. 4685.

02 FOREST RIVER FLAGSTAFF - 25' travel trlr., sleeps 5, gas/elec fr., 20' awng., heat/ac, \$10,500/neg. Gina, Ext. 8600 or 208-3959.

01 SUZUKI JR50 - 50cc dirt bike, low hrs. Perfect starter bike. \$675/neg. Joseph, Ext. 7316 or 886-1650.

01 HYUNDAI SONATA GLS - 2.5L V6, a/t, abs, 4wd, ac, p/s, p/w, p/l, cc, am/fm/cd, dual f/s air bgs, more. 70K mi. \$7,100/neg. 929-0671.

01 FORD EXPLORER XLT - 4x4, 6-cyl, 4dr, am/fm/cd/cass a/t, a/c, a/p, warr., grt. cond. 67K mi. \$14,900. Ext. 3018 or 347-453-5749.

00 NISSAN MAXIMA GXE - black, a/t, CD, many new parts, good cond. 95K mi. \$8,100. Steven, Ext. 4719 or 751-8240.

00 CHEVY PICKUP - Silverado Z/71, 4X4, 5.3l V8, a/t, a/c, p/l, p/w, tow, new tires, 82K mi. \$12,500. Michael, Ext. 4028 or 878-2571.

00 DODGE RAM 1500 PICKUP - Sport mdl., V8, ext cab, long bed w/cap, 4x4, 48K mi. \$16,500/neg. Gina, Ext. 8600 or 208-3959.

98 SUBARU LEGACY OUTBACK - red, awd, a/t, a/c, abs, all pwr., gar., r/r/rk, excel. cond., full rec. 82K mi. \$8,000. Anthony, 929-4903.

96 CHRYSLER CIRRUS LXI - 4-cyl, a/t, a/c, abs, c/c, p/w, leather, gd. cond., recent insp., Carfax. 75K mi. \$3,000. Mark, Ext. 2247.

95 PONTIAC GRAND PRIX - New ball jnts, tie rod ends, brakes, cd, s/roof, a/c, abs, c/c, 140K mi. \$2,000. Ext. 4926 or 467-4222.

94 JEEP WRANGLER SAHARA - 4x4, 2 tops, great cond. in/out, runs well. 101K mi. \$4,500/neg. Dolores, 921-3083.

94 LAND ROVER RANGE ROVER - 5L, V8, AWD, abs, a/t, all pwr., s/r/f, 121K mi., gd. cond. \$8,500/neg. Ext. 4459 or 751-2095.

92 CHEVY S10 BLAZER - 6-cyl., a/t, abs, 4x4, am/fm, pwr. wdw/drs., r/r/rk., clean. 153K mi. \$2,000/neg. Ext. 3085 or 849-4167.

92 S10 BLAZER GMC - runs well, grt. for beach, 4x4, 6-cyl. \$1,100/neg. John, Ext. 3499.

91 TOYOTA CAMRY - 4 dr., dk, red, new tires/brakes. 108K mi. \$800/neg. 833-9606.

91 MERCEDES 190E 2.6L - 6-cyl, a/t, lthr., a/c, ABS, all pwr., c/c, am/fm/cass. 93K mi. \$2,900/neg. Ext. 2072 or 516-629-6324.

NOSEMASK for NISSAN X-TERRA - 2-pc. for 00/01 X-Terra only (squared headlights); genuine Nissan. \$35. Susan, Ext. 7264.

Boats & Marine Supplies

19' GRADY WHITE TOURNAMENT - 130hp Yamaha, magic tilt trailer, full encl., VHF& depth finder, more. \$11,000/neg. 878-8302.

20' MARATHON 2100- Weekender, cuddy, enc. head, Merc I/O, repwrd. 120hp eng., glass inner hull, trailer \$5,200/neg. Ext. 2788.

26' GRAMPIAN SAILBOAT - w/mrg., '73, up gd. to max, new elec., 7.5 ckipit., prsszd. wtr., \$4,500. Kathryn, Ext. 7229 or 821-0898.

18' RUNABOUT - fg. dbl. V hull, 115 hp Johnson, trailer w/power winch. \$989. Ext. 5593.

17' GRUMMAN CANOE - gd. cond., no leaks/dents, outbd. mtr. brkt., car-top carry kit, incl. 2 paddles, 3 PFDs. \$675/obo. 751-0165.

Movie Night, and More! 6/17

On June 17, the BERA Social & Cultural Club will sponsor a screening of the film *Happy Ever After* — written, produced, and directed by a local Long Island talent, Anthony DiFranco. This event is in line with the mission of the Club to promote social interaction and support and encourage the development of local talents in arts and culture.

The screening will be held at Berkner Hall. Before the show, at 6:30 p.m., a cold hero buffet will be served. The movie will start at 7 p.m. Before the start of the feature film, however, DiFranco will give a brief introduction to the movie, and add a few pointers and tips about independent movie production. After the movie, which will be at about 9 p.m., everybody who likes to dance is invited to a Dance Party at the North Ballroom at the Brookhaven Center for general dancing until midnight. Coffee, tea, and cookies will be available at that time.

Tickets will be sold in advance: \$10 for adults, \$5 for students with ID, and children under 12 years. Buy tickets at the BERA Store in Berkner Hall, or from Rudy Alforque, Ext. 4733, or rudy@bnl.gov. If there are extra proceeds after expenses, some of the money will be donated to the Dr. Mow Lin Scholarship Fund that is being administered by the BERA Asian Pacific American Association.

Furnishings & Appliances

AIR CONDITIONER - 10,000 Btu, 9.0 EER, 110v, used one season, \$175. 516-527-4902.

CHINA CABINET - golden oak, 90's, w/ light, pic avail. at <http://hometown.aol.com/phpile/china.jpg>. \$500. 286-5532.

DRESSER - antique keyhole w/design, \$80; end tbl., \$50; oak storag. cube w/remvbl. lid, \$30; qu. comfter. set, 774-0599. Ext. 3536.

FURNITURE - Pine, early American, chairs, chest, hutches, custom-made professional office desk, much more. 208-0408.

FURNITURE - Cnpts' chairs, \$15/pair; end/night table, \$20; table lamp, \$7. 803-0506.

KITCHENWARE - Knives set, stainless stl, wooden stor. blk, \$25; Crock pot \$10; Double-burner portable stove, \$10. 803-0506.

PILLOWS - Sobakawa buckwheat hull pillows (2), standard size, new. \$25. Susan, Ext. 7235 or 399-7997.

WALL OVEN - 24" Magic Chef, gas, used only 2 times, sacrifice \$250. 514-9871.

WASHER - Kitchen Aid, lg. cap., v. gd. cond., \$100/obo. Connie, 727-1483.

Audio, Video & Computers

COMPUTER PARTS - new, in box, mid-tower case, 350 W, \$30; keyboard, spkrs. & mouse \$20. DVD-ROM, \$30. Ext. 4719 or 751-8240.

MONITOR - Compaq 19 in., excellent condition, asking \$100. Ext. 5683.

PLAY STATION 1 - w/one game, controller & mem. card, \$60. Ext. 2094 or 831-3469.

SCANNER/COPIER - HP ScanJet 200C color, flatbed, hardly used, b/o. 208-0408.

SPEAKER - Leslie speaker, Model 120, \$175/obo. 803-0506.

Sports, Hobbies & Pets

BENCH PRESS - one bench press w/wghts., \$75, lg. Maytag washing mach. & dryer (GE), both \$150. Ext. 8321 or 804-8609.

BICYCLE - Ross, men's 27", 10 spd., gd. cond., \$40. Walter, 567-9025.

EXERCISE BIKE - recumbent, Cardiomax 550R (keys) like new, hardly used. \$400 new, ask \$110. . 921-4899.

EXERCISE EQUIPMENT - Universal 4-station machine, extra weights, b/o. 208-0408.

Tools, House & Garden

GARDEN BENCH - 1960s garden bench, 3-piece concrete, \$75.00. 803-0506.

LEAF BLOWER - Homelite, gas power, runs v. well, \$65. Chris, Ext. 2094 or 831-3469.

PLANT SWAP - 11:30 a.-1 p., 6/14, r/date, 6/16; Berkner pkg. lot. Bring plants, cuttings, to swap & take. Ext. 6011, blevins@bnl.gov.

TABLE SAW - 10" blade, 42 x 32 base, heavy duty, \$100/obo. 208-0408.

WASHER PARTS - on 15 gal. tank, \$35; Bulk Oil pump w/51 gal. tank. Walter, 567-9025.

Miscellaneous

BICYCLE - Boy's Trek 220, 24" wheels, 18 spds, for 9-12 yrs. old, \$50. 874-3652.

BRIDAL GOWN SLIP - Full netted, brand new, never worn, \$40. Phillip, 878-2239.

ENGAGEMENT RING - 0.45 ct., platinum setting, 3 stone, Past/Present/Future. \$600. Michelle, 767-9755.

GARAGE DOOR - White, 1 yr. old, but sat outside. Tracks, springs incl., b.o.; Andersen 6' wh. slidd. patio dr, 1 yr. old, b.o. 921-5189. MAGAZINES - *Analog Science Fiction & Fact*, over 100 issues from 1976-1995, make offer. Rita, Ext. 3320.

OIL TANK - 275-gallon steel tank. Brand new, never installed. \$275. Emil, 921-5189.

PIANO - Wurflitzer (Baldwin) upright, golden oak, late '80s, \$1000, <http://hometown.aol.com/phpile/piano.jpg>. 286-5532.

PLAY LOFT - Wooden climber, used indoors, adjustable height loft, climbing pole, about 45"x60", \$50. Scott, Ext. 7110 or 874-3652.

Yard & Garage Sales

MEDFORD - Sat. 5/28, 9-5. Collectibles, clothes, etc. 22 Petty La, off N. Ocean Ave. R/date 5/29. Linda, Ext. 2733 or 395-6784.

NYC Bus Trip, 6/5

The Hospitality Committee invites all BNLers to join a bus trip to Manhattan on Sunday, June 5, for a "do-as-you-like" trip. The luxury bus will leave from the Recreation Bldg. in the apartment area at 9 a.m. and leave the city at 6 p.m. The cost for adults is \$10; children 2-12, \$5; payments must be made in advance in cash. To make reservations and pay, contact Jing Rochman at deshang.hai@yahoo.fr or 891-9430.

Pool, Gym Closed on Weekends, 5/28-9/5

The BNL pool and gym facilities will be closed on weekends from Memorial Day through Labor Day, May 28 through September 5, 2005.

SHIRLEY - spacious 4-room apt. - l/r, eik, bdrm., den, lg. bath, prvt. ent., no smoking/pets, security, credit, refs. & 1 mo. sec. req'd., avail. 6/1. \$1,300/mo. 698-2121.

SHIRLEY EAST - furn. 1-bdrm. apt, full bath, sep. ent., nr. beach, stores, golf course, 15 min to Lab, no smkg./pets, 1 mo. sec. req'd., all util. inc \$750/mo. Ext. 8321 or 804-8609.

SHOREHAM - 2 lg. bdrm & l/r fully carpeted, kitch, full bath, cable, priv. ent. on cul-de-sac., no smkg./pets, 8 mi. to BNL. Available in July. \$1,300/mo. Gordon, Ext. 5123.

SHOREHAM VILLAGE - 4 bdrm. contempor., l/r, d/r, t/r, 3 f/p, 2.5 bath, cac, lge deck, garden, pvt. beach, 9 mi to BNL. avail. 7/1. Rent + 2 mo. sec. req. \$2,500/mo./neg. Ext. 5349.

STONY BROOK - 3-bdrm. house, 2.5 bath. 3-Vill. SD, walk to LIRR, Univ. 1-yr. lease from Aug. 1. <http://gradesheet.com/rent>. \$2,600/mo. Laszlo, 689-5374.

WADING RIVER - 1-bdrm. apt., near pond, duplex in 1900 Victorian farmhouse, l/r, full bath, porch, priv. yard, no pets/non smoker. \$1,200/mo. 929-5960.

YAPHANK - studio apt., furn. for one person, pvt. ent., 4 mi. to Lab. Cable, high speed internet, all incl. \$850/mo./neg. 924-3049.

YAPHANK - Colonial Woods. 2-bdrm. condo, 1.5 bath, 2 stories + full basement. w/d hook-up, d/w, a/c, priv. prkg., mins. to BNL. Avail. 8/01. \$1,350/mo. Tim, 924-5798.

LAKE GEORGE - Lakefront Cottage in Hulet's Landing; sleeps 6, porch, deck, dock. Children's park, hiking trails. Call 1-518-747-7821. \$1,700/wk. Debbie, Ext. 7870.

MYRTLE BEACH, SC - 2 bdrm (4 beds), 2.5 bath, Townhouse on golf course in Little River, SC. Comm. pool. \$491 - \$813/week or \$700 - \$1200/month \$491/wk. 472-4994.

For Sale

ARUBA, - Time share Marriott ocean view Dec. to May, can swap for other places. \$17,000/neg. Robert, Ext. 7238.

MEDFORD - high-ranch, 5 bdrm., 3 bath, 2500 sq. ft., 100x100 lot, carpet, kit, wood cabinets, gar., poss. mother/daughter, rent or lease to buy. \$360,000/neg. 662-4696.

RIDGE - 1.3 acres, opp. land reserve, all permits to build, foundation dug, city water avail. Mins. to Lab. \$275,000/neg. 255-8445.

RIVERHEAD - open house, 5/28 & 29, 9 a.m.-1 p.m., 3 bdrm, 1 bath, fin. bsmt., app, in-gr. spklr., fenced dbl. lot, 641 Northville Tpk. \$315,000/neg. Shanneikqua, Ext. 3560.

ROCKY POINT - 1-bdrm cottage, brand-new roof, siding, floors, & bdrm; mins. to beach, beach rights. \$244,000/neg. 255-8445.

SETAUKET, - Lakes at Fountainhead Condo, 3 bdrm/2.5 bath, eik, gar, a/c (2 zone), low tax, lakefront, patio, awning, new Pergo, paint, many updates. \$519,000/neg. 828-8112.

Farewell Gatherings

DONNA ZADOW - Collider-Accelerator Department, died on 5/23. An In Memoriam article will appear in the Bulletin. A wake will be held on Sat., 5/28, 2-4 p.m., 7-9 p.m., at the Alexander Tuthill Funeral Home, 6447 Rt. 25A, Wading River, 929-4111. A service will be held on Sunday, 5/29, 2 p.m., Wading River Congregational Church, 2057 N. Country Rd., 929-8849. See Marion Heimerle, Bldg. 911B to contribute for flowers (excess to be given to a charity of the family's choice).

Roll Up Your Sleeve: Blood Drive, 6/20&21

To replenish Long Island's blood supply, BNL is holding a blood drive on Monday and Tuesday, June 20 and 21, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Donors must be from 17 to 75 years of age, in good health, and weighing over 110lbs. 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.