

DOE Office of Science Director Orbach, BNL Director Paul Welcome U.S. Representative Timothy Bishop to BNL

On Monday, December 30, Raymond Orbach, the Director of DOE's Office of Science, journeyed to BNL to meet with U.S. Representative Timothy Bishop, the newly elected First District Congressman, who was visiting the Lab for the first time. The visitors, who included Office of Science advisor Todd Harding and Congressional staffer Lee Leshen, were welcomed by Peter Paul, BNL Interim Director, and Michael Holland, Manager of DOE's Brookhaven Area Office (BAO). Highlights of Bishop's brief

tour of the Lab included a stop at the National Synchrotron Light Source (NSLS). Doon Gibbs, Interim Associate Laboratory Director for Basic Energy Sciences, and NSLS Chair Steven Dierker explained a proposed NSLS upgrade, which will dramatically improve the capabilities available to the approximately 2,500 researchers from scientific institutions and industry who use the NSLS for their research each year. They also discussed plans for the new BNL Center for Functional Nanomaterials, for which Secretary of



At the DOE Brookhaven Area Office on December 30 are: (from left) Peter Paul, BNL Interim Director, Timothy Bishop, then U.S. Representative-elect; Raymond Orbach, Director of DOE's Office of Science; Michael Holland, Manager of the DOE Brookhaven Area Office.

Energy Spencer Abraham announced DOE approval when he visited the Lab last June 14.

Bishop, who was sworn in on Tuesday, January 7, and Orbach then visited the staff on the NSLS experimental floor and saw research results on osteoarthritis and the make-up of newly formed bone.

Bruce Gibbard, Physics, who directs the RHIC Computing Facility, described the technical effort needed to accept,

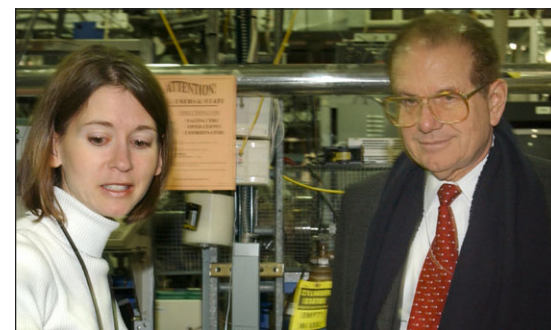
translate, and store RHIC collision events with thousands of tracks and make them available to about 1,000 users simultaneously.

The tour ended with an overview of BNL's pioneering neuro-imaging research on the brain chemistry of addiction, mental illness, and aging, from Nora Volkow, Associate Laboratory Director

for Life Sciences. David Schlyer, Chemistry Department, also explained some recent research that includes imaging of awake animals. — Liz Seubert



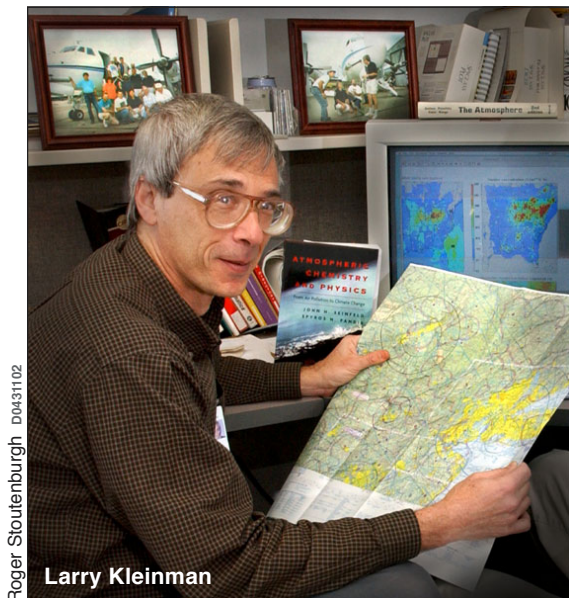
U.S. Representative Timothy Bishop at BNL's National Synchrotron Light Source.



Researcher Lisa Miller, National Synchrotron Light Source Department, and Raymond Orbach, Director of DOE's Office of Science.

379th Brookhaven Lecture

Texas-Sized Ozone Problem



Larry Kleinman

Ozone, an unstable form of oxygen, acts as both friend and foe to life on Earth. On the plus side, ozone absorbs the sun's ultraviolet rays, making the atmosphere safer for living creatures on Earth. But air containing high levels of ozone is harmful to breathe, becoming a menace to public health.

Ozone occurs naturally in the stratosphere, 20 or more kilometers above Earth's surface, where it acts as a shield for ultraviolet radiation. However, most ozone in the lower atmosphere is formed when emissions of chemicals such as nitrogen oxides and volatile organic compounds from automobiles, power plants, and other industrial sources react with sunlight. Thus, ozone pollution is greatest in urban areas, where more people are clustered.

To get a better understanding of how ozone is produced and how to control it, BNL scientists and other researchers from more than 40 institutions participated in the Texas 2000 Air Quality

Study, one of the most comprehensive air-pollution studies ever conducted, funded by DOE, the U.S. Environmental Protection Agency, the Texas Natural Resource Conservation Commission, and other agencies.

This research story, published in the May 15, 2002, issue of *Geophysical Research Letters* and highlighted in the June 10, 2002, *Chemical & Engineering News*, will be discussed by lead author Larry Kleinman of the Environmental Sciences Department's (ESD) Atmospheric Sciences Division in the next Brookhaven Lecture, "Why Does Houston Have a Texas-Size Ozone Problem?" The talk will be given on Wednesday, January 15, at 4 p.m. in Berkner Hall, when Kleinman will be introduced by ESD Chair Creighton Wirick.

As Kleinman will describe, the researchers used the DOE Gulfstream-1 aircraft with specially designed instruments to gather air samples from over Houston, Nashville, New York City, Philadelphia, and Phoenix. They then measured the concentrations of chemicals to find the rate of ozone production in different areas. Kleinman will explain the study's results: the highest ozone production levels are found in the petrochemical-rich Houston Ship Canal area.

Chemist Larry Kleinman earned his Ph.D. in chemistry at Yale University in 1971 and joined BNL in 1976. His research interests focus on atmospheric photochemistry.

Refreshments will be offered before and after the lecture. To accompany the lecturer to dinner at a restaurant off site after the lecture, call Barbara Roland, Ext. 3275. — Liz Seubert

Five BNL Scientists Awarded Tenure

Brookhaven Science Associates (BSA) has recently granted tenure to five BNL scientists: G. Lawrence Carr, National Synchrotron Light Source Department; Arokiasamy J. Francis, Environmental Sciences Department (ESD); George Hendrey, ESD; Alexei Tselvik, Physics Department; Raju Venugopolann, Physics. Each of these scientists is being featured in *The Bulletin*, starting with Carr last December 13 and continuing this week with Francis.

A.J. Francis, Environmental Sciences Department

Getting rid of toxic metals and radioactive waste in an environmentally safe and economical way is no easy task, but Microbiologist A.J. Francis, Environmental Sciences Department (ESD), has developed safe, environmentally friendly, novel treatment methods for remediation of these wastes by using naturally occurring bacteria, citric acid, and sunlight.

In fact, Francis holds four patents with colleagues in microbiological remediation, and he developed a method to remove lead and toxic metals from municipal solid waste incinerator ash and lead paint-contaminated soils.

Francis was awarded tenure for his contributions to the understanding of the interactions of microorganisms with toxic metals and radionuclides in contaminated soils and other wastes, and for developing novel treatments for the remediation of mixed wastes, contaminated soils, and other materials.

ESD Chair Creighton Wirick said, "Dr. Francis is an outstanding microbiologist who is

recognized for his scientific accomplishments in the U.S. and internationally." Wirick also praised Francis as an excellent supervisor and mentor.

Francis received his B.Sc. in agriculture in 1963 and his M.Sc. in soil microbiology in 1965 from Annamalai University, India. He earned his Ph.D. in microbiology from Cornell University in 1971, and he remained at Cornell as a research associate, 1970-73. He then joined Stanford Research Institute for two years as a microbiologist before he came to BNL in 1975 as an assistant microbiologist. He was promoted to associate microbiologist in 1977 and was named a microbiologist in 1980.

— Diane Greenberg



A.J. Francis

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

— EACH WEEK —

Weekdays: Free English Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

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

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Mary Wood, Ext. 5923, or wood2@bnl.gov.

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

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

Mondays: BNL Dance Club Ballroom, Latin & Swing Practice

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

Tuesdays: Welcome Coffee

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

Tuesdays: BNL Music Club

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

Tuesdays: BNL Dance Club Individual & Couples Instruction

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

Tuesdays: Toastmasters

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

Tuesdays & Thursdays: Aerobics

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

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m., \$2 pool fee per class or use pool pass. Mary Wood, Ext. 5923.

Wednesdays: On-Site Play Group

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

Wednesdays: Weight Watchers

Noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesdays: Yoga Practice

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

Wednesdays: Open Chess Night

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

Wednesdays: Exercise 101

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

Wednesdays: Dance Club Group Lessons

5-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053.

Thursdays: Science Discussion Group

12:30-1:30 p.m., Berkner Hall. Patrice Pages, Ext. 3270, pages@bnl.gov.

Thursdays: Singles Club

12:30-1:30 p.m., Berkner Hall. Contact: Jean, Ext. 4391, Patrick, Ext. 3270.

Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

8-11:30 p.m., Brookhaven Ctr., social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Saturdays: BNL Dance Club Monthly Ballroom Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing, North Ballroom, Brookhaven Center. 1/25, 2/15, 3/15, 4/12, 5/17. Marsha Belford, belford@bnl.gov or Ext. 5053.

— THIS WEEKEND —

Friday, 1/10

GLOBE Meeting

The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting at 7 p.m. For the meeting's location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information about the GLOBE club, see www.bnl.gov/bera/activities/globe.

— WEEK OF 1/13 —

Tuesday, 1/14

Fidelity Investment

A Fidelity Investment representative will be at the Lab next Tuesday, January 14, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 45-minute appointments by calling (800) 642-7131.

Happy Ending

Look, isn't that a dog!" exclaimed Carlee Ogeka to her colleague Bob Metz as they drove through the rain on the afternoon of December 26 along the east portion of the Lab site.

Ogeka and Metz, both of the Environmental Services Division, were checking the monitoring stations along the Lab's eastern firebreak.

Metz stopped the truck, and the little brown dog paused nearby, but ran away at Ogeka's approach. "For a while we followed him, but every time I got out, he ran off," said Ogeka. "We could see a tag around his neck, so we knew he was not a wild dog."

After Ogeka had made three attempts to catch the dog without alarming him, Metz got out to help. "The dog ran under the truck. Eventually, Carlee got him out and we had him safe," said Metz. "Then, the problem was finding his owner."

After having no luck in their door-to-door search along the



BNL's Carlee Ogeka, Robert Metz, and Sergeant Louis Figueroa hold up the January 1 Newsday article showing the Guinta boys with their dogs.

houses at the southeast corner of the Lab, Metz and Ogeka were starting among the north side when they thought of calling the BNL police. "Just in case they had heard of a missing dog," said Ogeka.

And that was beginning of the happy ending.

Earlier that afternoon, at the front desk in BNL's Police Headquarters, Sergeant Louis Figueroa of BNL's Safeguards & Security Division had received a

call about a lost Pomeranian. Teresa Guinta, one of whose sons' two dogs was lost, told Figueroa that the dog, called Bear, had run off into the woods near the Lab two days before, and that her sons were heartbroken. They were afraid that Bear might not survive the freezing weather.

"I told her to have faith, because small dogs can be pretty tough," said Figueroa, who has a Pomeranian himself.

BWIS Holds High School Career Day

About 45 female students from four local high schools learned firsthand about careers in science and related fields from BNL women employees at a career day in November coordinated by Brookhaven Women in Science (BWIS) and funded by Brookhaven Science Associates. The career day at BNL featured panel presentations by women in various scientific and technical fields, including physics, chemistry, engineering, environmental sciences, and science writing; a site tour; and a visit to the BNL Science Museum.

The students came from East Islip High School and the Hewlett School in East Islip, and Eastport-South Manor and Westhampton Beach High Schools.

Louise Hanson, a retired Community, Education, Government & Public Affairs employee (CEGPA) and current research collaborator in the Chemistry Department, wel-

Angelika Drees: Physicist, Blacksmith

Few people can claim to be both a physicist and a blacksmith, but one woman at BNL has acquired both these skills: Angelika Drees (see picture above right).

An associate physicist in the Collider-Accelerator Department, Drees learned blacksmithing while she was a student majoring in high-energy physics at the University of Wuppertal in Germany.

"While I was going to college, I was a volunteer counselor in a community project at a horse farm to help disadvantaged children," she explained. "A blacksmith at the farm taught me the trade. I grew to like blacksmithing very much, and I went on to work in a blacksmith shop to support myself during my last four years in college."

In fact, Drees liked blacksmithing so much that she had a hard time deciding whether she should be a blacksmith or a physicist.

"Both physics and blacksmithing are challenging," Drees said. "Physics, of course, is intellectually challenging, but I used my body and hands in

blacksmithing. It takes strength and skill to heat an iron and hold it with a forceps while hammering it out to fit the horse's hooves. Also, you have to know how to calm the horse, which doesn't at all like nails being hammered into its hooves."

Drees found that blacksmithing can be a dangerous job. At a blacksmithing show in a market in Germany, a horse Drees was working on pulled its leg down as she was hammering in a nail, and the nail went right through her hand, practically slicing it in half. Fortunately, she fully recovered from the accident, which did not dampen her enthusiasm for the trade. She still occasionally practices it for fun when she visits Germany.

As a teenager growing up in Germany, Drees wanted to be an astronaut. "Shortly after hearing about the success of the Apollo 11 mission, I wanted to go to the moon," she said, "but my father said there were no women astronauts. Of course, at the time, there weren't."

Drees then changed her strat-

egy, and decided to become a scientist, believing that she could then accompany the astronauts to the moon. Later, after hearing of the doomed Challenger mission, Drees changed her mind about moon voyaging. Still, astronomy and questions on how the universe was made intrigued her, and that interest spurred her on to be educated as a physicist.

Drees earned a master's degree in physics from the University of Wuppertal in 1992. She then worked at CERN, the European Organization for Nuclear Research, near Geneva, Switzerland, where she worked on a project that earned her a 1997 Ph.D. in physics.

"I studied the influence of local trains on the beam energy of the large electron-positron collider at CERN," Drees explained. "The high-speed trains that ran nearby leaked electrical current into the ground and disturbed the magnets in the collider. We had to account for that in our high-precision measurements."

Drees also studied the effects of the moon, tides, and

When Ogeka called with the news of the dog, "I told her that by finding this animal, she and Bob were about to answer a family's prayer," Figueroa said.

Metz and Ogeka drove Bear to HQ. "He was in pretty good shape, not too wet," said Ogeka. "He probably had found shelter in an open pipe, which must have kept off the worst of the weather."

At HQ, Bear shared turkey sandwiches with Figueroa while the latter telephoned the Guintas. The family was out, but upon their return, they found four messages from BNL to say that their pet was fine and that they could pick him up until 11 p.m., when Figueroa would take him home for the night.

However, "At 9:50 p.m. Mrs. Guinta called HQ and was ecstatic that we had found the dog," reported Figueroa. "Now here is the best part: the priceless look on Mrs. Guinta's face when she came to HQ and I walked out with that pup. We all felt great. I am glad that the story ended well."

— Liz Seubert

through an interactive visit to the BNL Science Museum.

BWIS is planning a similar career day for students from different high schools on February 4. — Diane Greenberg



BNL physicist Angelika Drees (see also story below) explained the physics of RHIC to (from left) Michelle Parker, East Islip High School; Diana DiCostanzo and Jackie Schneyer, Eastport-South Manor High School; Tia Beck, Westhampton Beach High School; and Nicole Boldoc and Asheleigh Perry (seated), the Hewlett School.

rainfall on the collider's magnets. "If it rained a lot, Geneva Lake became very full and tilted the ground, which affected the particle orbits in the collider," she said.

Looking for the next exciting project in physics, Drees joined BNL in 1997 as a research associate in the Relativistic Heavy Ion Collider (RHIC) Project, where she worked on luminosity monitoring and beam instrumentation during the construction of RHIC. In 1999, Drees was promoted to assistant physicist, and joined the Collider-Accelerator Department. In 2001, she became an associate physicist.

Currently, Drees works as a commissioner at RHIC, where she investigates ways to make the collider more efficient. She is also a member of the pp2pp team doing polarized proton elastic scattering experiments at RHIC.

"I love having the opportunity to work on both experiments and accelerator problems," she says. Right now, there is no talk of going back to blacksmithing.

—Diane Greenberg

BNL Researchers, County, Civic Leaders Meet to Discuss Addiction Issues

Last December 13, BNL partnered with the Suffolk Coalition to Prevent Alcohol and Drug Dependencies, Inc., and the Quality Consortium of Suffolk County to host a presentation made by the Chemistry Department's Joanna Fowler on BNL's addiction research. The event was also supported by a grant from the Association of Alcohol and Substance Abuse Providers of New York State. The underlying aim of the meeting was to increase communication between BNL addiction researchers and local substance-abuse professionals who are interested in finding out how their prevention, education and treatment practices might benefit from research findings. Participants praised Fowler for her team's research and expressed support for communicating their findings to a wider audience, particularly to policy makers.



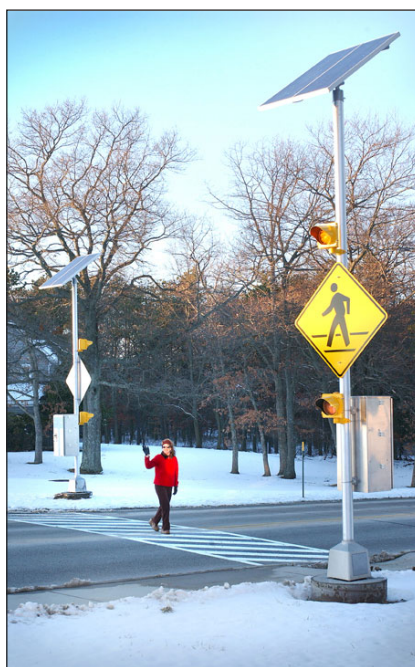
Among meeting attendees are: (from left) John Carter, Director of Community Affairs, U.S. DOE Brookhaven Area Office; Barbara Keller, Executive Director of the Suffolk Coalition to Prevent Alcohol & Drug Dependencies, Inc.; Fowler; Thomas MacGilvray, Director of Suffolk County's Division of Community Mental Hygiene Services; and Kathleen Ayers-Lanzillotta, of Catholic Charities and President of the Quality Consortium of Suffolk County.

See New Solar-Powered Crossing Lights

On the recommendation of the Lab's Traffic Safety Committee, the Plant Engineering (PE) Division has installed new flashing crosswalk signals on Upton Road near the dorms, to remind drivers to slow down and watch for pedestrians.

"These are no ordinary units, however," says Jim Wright, a PE electrical design engineer. "The flashing lights are powered by the south-facing solar panels above them, which charge batteries located in each controller. The batteries are sized to store power for the flashers for 14 days."

Wright explains that the solar-powered crossing lights not only make it safer for pedestrians to cross Upton Road, but also add the benefits of free power and significantly lower installation costs.



Roger Stouthenburgh 01/10/2003



Morningside Duo, 1/15

Next Wednesday, January 15, at noon in Berkner Hall, the Morningside Duo will present the next noon recital. The duo consists of clarinetist Ann Lavin and pianist Jean Schneider.

The program will include works by Brahms, Gershwin, Scriabin, Berg, and Verdi.

Noon recitals are free and open to the public. Visitors, ages 16 and over, must bring photo I.D. to enter the Lab. Bring your lunch and come and go as you please. For more information, visit <http://music.bnl.gov>.



Start Exercising!

All are invited to join any of the following get-fit classes, which will be held in the Recreation Hall in the apartment area, at \$4 per class or \$35 for a set of ten classes. To register, or for more information, call Pat Flood, Ext. 7886 or Sue Monteleone, Ext. 7235.

- **Aerobics:** done with either low or high impact, some stretch and strength exercises included. Tuesdays and Thursdays, 5:20-6:30 p.m.
- **Exercise 101:** an easy beginner class consisting of stretch, low impact aerobics, and light free-weights exercises. Wednesdays, 5:15-6:15 p.m.

Retiree Address List

From this year onward, the retiree address list will not be distributed in paper form; it is available in electronic form only. The cost of printing and distribution is one factor in this decision, but, more importantly, the printed list has been used for solicitation by financial services, insurance companies, and other sales organizations — a problem for many retirees. The PDF list, which is posted on the internal BNL Web page at <http://130.199.76.90/retiree/retireeslist.asp>, will continue to be updated by Joyce Wund of the Human Resources (HR) Division. Retirees may verify addresses of friends and colleagues by contacting Wund, Bldg. 185, or (631) 344-7516. Wund will screen calls to ensure that information is given only to Lab retirees.

Calendar

(continued)

Wednesday, 1/15

*Noon Recital

Noon, Berkner Hall, Morningside Duo play clarinet, piano. See notice, page 3.

379th Brookhaven Lecture

4 p.m., Berkner Hall. Larry Kleinman will talk on ozone pollution in Houston, Texas, and elsewhere. See page 1.

Thursday, 1/16

BAC Meeting

12:30-1 p.m. Brookhaven Advocacy Council Meeting, Open Session. For the meeting's location, contact Mike Loftus, Ext. 4200. For more information on the BAC, visit www.bnl.gov/bac.

— WEEK OF 1/20 —

Wednesday, 1/22

Science Education Forum

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

Thursday, 1/23

Wyndham Wind Watch Hotel Demo

10 a.m.-2 p.m., Berkner Hall. A representative from Wyndham Wind Watch Hotels will be on site to talk about Wyndham's features and amenities and to answer BNLers's questions. There will also be a raffle for a Herman Miller - Aeron chair. For more information, visit www.wyndhamwindwatch.com.

Saturday, 1/25

Defensive Driving

9 a.m.-3:30 p.m., Berkner Hall, Room B. Open to BNL, BSA, & DOE employees, BNL facility users, guests, and their families. To register, send a check for \$26 per person, made out to Empire Safety Council, care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your telephone number. All checks must be received by 1/20. No refunds after 11/23.

— WEEK OF 1/27 —

Wednesday, 1/29 (and 2/26)

BERA Ski Trip to Camelback

\$50 per person includes lift tickets and bus transportation to Camelback Mountain in Pennsylvania. Ski rentals are available for an additional \$16, and snowboard rental for \$23. A first time skier package is available at \$60 and includes restricted lift ticket, equipment rental, and an hour and a half lesson. Bus departs the Brookhaven Center at 5:30 a.m. and returns at approximately 8 p.m. Sign up immediately at the BERA Sales Office in Berkner Hall weekdays from 9 a.m. to 3 p.m. For more information, contact Andrea Dehler, Ext. 3347; Bob Marascia, Ext. 7779; or Christine Carter, Ext. 2873.

— WEEK OF 2/3 —

Wednesday, 2/5

Science Education Forum

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

— WEEK OF 2/17 —

Wednesday, 2/19

Science Education Forum

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

Thursday, 2/20

BSA Distinguished Lecture

4 p.m., Berkner Hall. Author Carl Safina, Blue Ocean Institute President, will talk on "World Fisheries: Depletion and Renewal." All are welcome to attend this free public lecture.

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. Please enter the 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.

In Memoriam



R.S., CN 8-273-00

Optician Robert Stone, provider of BNL's safety glasses for the past 15 years, died last December 14.

After receiving his optician's license from New York City Technical College, Stone joined the Opticians' Society in 1979 and played an active role in the Society's growth. In 1998, he chartered the Suffolk Chapter of the New York State Society of Opticians (NYSSO), and, in 1999, he was elected by more than 1,200 colleagues as NYSSO Optician of the Year. In addition to his work at BNL, Stone was the owner and president of Danesi Opticians, Centereach, and Daymond D. Leahy Opticians, Southampton. He also served as an adjunct lecturer in the Ophthalmic Dispensing Department at Suffolk Community College.

Stone is survived by his wife, Laurie, and children Rick and Debbie. After an interval of a few weeks, Laurie Stone will reopen the BNL Safety Glass Office as its dispenser.

Make Nominations for Goldhaber Prize

Brookhaven Women in Science (BWIS) is now accepting nominations for the 2003 Gertrude S. Goldhaber Prize. This award honors the late Gertrude Scharff-Goldhaber, the renowned nuclear physicist who, in 1950, became the first woman Ph.D. appointed to BNL's staff. She was also a founding member of BWIS.

The winner of the \$1,000 award will be a female graduate student in physics, who will be recognized for her substantial promise and accomplishment. She will be expected to give a seminar on her work at the award ceremony in the spring. To be eligible, she must be an enrolled physics graduate student who is a candidate for a doctoral degree, but not to be graduated with that degree before spring 2003. She must either be enrolled at Stony Brook University (SBU) or performing her thesis research at BNL.

Nominations may be made by BNL staff and SBU's Physics Department faculty, before February 15. For more information or to obtain the form, contact BWIS Goldhaber Prize, P.O. Box 183, Upton, NY 11972-5000 or Vinita Ghosh, Ext. 6226, ghoshvj@bnl.gov.

CAN YOU SPARE A CAN?

The BNL Food Drive needs more donations.

