

Science, Government, Industry Pack BNL's Nanoscience Workshop

NYSTAR to contribute \$1.8 million for instrumentation

Talk Science To Mom, Dad

Talking about science to the public is not easy, but it is critically important, according to Patricia Dehmer, Associate Director of DOE's Office of Basic Energy Sciences (BES), and U.S. Representative Sherwood Boehlert, Chair of the House Science Committee.

"I spend most of my time in Washington describing scientists' science to people who are not scientists and who have almost no knowledge of science," said Dehmer at the nanoscience workshop.

Speaking to the scientists attending the workshop, she expressed how vital it is for scientists to make science interesting to "mom and dad."

She explained: "It is important that every one of you be able to tell them quickly what is a nanometer, and why nanoscience is important."

Subsequently, Boehlert also urged his listeners to reach out to the public. He recognized how difficult this is, but stressed that practical long-term benefits could result. He advised workshop attendees to make sure they could easily explain the basics in their field.

"Manipulating individual atoms, that sounds like the stuff of science fiction to a layperson like me," he said. "But manipulating atoms is easier than manipulating public attitudes."

— Patrice Pages

Numbered photos of nanoscience workshop speakers are by Roger Stoutenburgh.

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Peter Paul

Last Friday and Saturday, March 8-9, BNL hosted a workshop on its proposed Center for Functional Nanomaterials, a user facility to be located at BNL and open to scientists from academia and industry. The researchers will work on cutting-edge projects in the new field of nanoscience — the study of materials at the scale of individual atoms.

The goal of the workshop, which attracted well over 400 registrants representing 80-plus U.S. institutions and visitors from Japan, was to bring together representatives from academia, industry, and government to discuss the role of the center in the Northeast region. Attendees were also asked to comment on instrumentation, operational principles, and science for the center.



Felix Grucci

The workshop opened with good news from Peter Paul, BNL's Interim Director, who announced that the New York State Office of Science, Technology & Academic Research (NYSTAR), through a collaborative nanoscience program with Stony Brook University, will contribute \$1.8 million to the purchase of a new transmission electron microscope for nanoscience research activities at BNL.

"Nanoscience is very important to the Department of Energy," said Michael Holland, DOE Brookhaven Area Office Manager, who spoke next. "This new field of research has potential benefits in medicine, space exploration, the environment, agriculture, energy, and national security."



Shirley Strum Kenny

Addressing the participants in a packed Berkner Hall on Friday morning, Patricia Dehmer, Associate Director of DOE's Office of Basic Energy Sciences (BES), said, "Your role here is to help define a new facility for Basic Energy Sciences, the Nanoscale Science Research Center here at Brookhaven. The advice and council you will provide to Brookhaven over the next two days will have a major impact for many, many years to come."

The nanoscience center is expected to be an 80,000 square-foot user facility attached to the National Synchrotron Light Source (NSLS), attracting about 500 scientists per year.

Four other nanoscience centers have been proposed to DOE, to be located in Berkeley, California; Los Alamos, New Mexico; Oak Ridge, Tennessee; and Chicago, Illinois. The Berkeley, Los Alamos, and Oak Ridge centers are now in the design phase, and the two other centers are awaiting decisions from BES.



Michael Holland

"Berkeley will serve the West, Los Alamos will serve the Southwest, Oak Ridge will serve the Southeast, and clearly what is missing now is a center that will work in the Northeast and the Midwest," Dehmer added. "That's why we are particularly interested in this workshop to form a foundation for a nanoscience center that will serve the Northeast."



Venkatesh Narayanamurti

BNL already has three major facilities for probing materials at the atomic level:

the NSLS, which produces very intense x-ray, ultraviolet, and infrared light; a transmission electron microscope, which uses electrons to take pictures of the atomic structure of materials; and a Laser Electron Accelerator Facility, which probes the dynamics of chemical reactions with unprecedented time resolution.

Last year, to fund six major centers in nanoscale science and engineering, the National Science Foundation (NSF) announced awards estimated to total \$65 million over five years. New York State won three of those centers, at Columbia University, Cornell University, and Rensselaer Polytechnic Institute, for a total award of \$31 million. Governor Pataki then added to the awards by investing an additional \$1.5 million for each center.

"We feel that these awards clearly establish the Empire State as a primary place for nanotechnology development," said Russell Bessette, Executive Director of NYSTAR. "It provides solid confirmation that our efforts and our initiatives to develop a high-technology-based economy in New York State are now on track."

BNL plans to work especially closely with the three nanoscale centers in New York, as well as with other major Northeastern research universities.

"Nanotechnology, with its application to many diverse fields, finds a natural home at Brookhaven, which is at the center of so many vital scientific enterprises throughout this region," confirmed Shirley Strum Kenny, President of Stony Brook University and Chair of the Board of Brookhaven Science Associates.

New York's First District Representative Felix Grucci expressed his support for BNL and its future nanoscience center, then introduced U.S. Representative Sherwood Boehlert, Chair of the House Science Committee.

Also expressing his support for BNL's leading role in nanotechnology, Boehlert said, "I already know how I want your story to end: With a healthy interagency program of nanotechnology research that includes a DOE nanotechnology center at Brookhaven National Laboratory."

Emphasizing the future importance of a BNL nanoscience center in the Northeast, both Boehlert and Bessette compared the center's potential impact on society to the changes brought about by the space race in the 1960s.

Said Bessette, "The need to make things smaller, cheaper and faster will be the driving forces in medicine, genetics, and the materials science. The opportunity to do nanotechnology in New York State and the Northeast is not a shot outwards, but a shot inwards, into inner space, the ability to probe the mysteries of life, which will be extremely important to the American citizens."

— Patrice Pages



Patricia Dehmer

Nano Workshop Focus on Science

Major scientific presentations at the workshop included: "Challenge of Nanoscience in the 21st Century," presented by Venkatesh Narayanamurti, Harvard University; "Nanofabrication in Industry," presented by Randall Isaac, IBM Research Division; "Nanoscience of Polymer Systems," by Tom Russell, University of Massachusetts, Amherst; and "Nanoscience Opportunities in Biology," by Harold Craighead, Cornell University.

During their presentations, the speakers referred to BNL's strong involvement in nanoscience research, which was fully demonstrated in a presentation on the future scientific activities at BNL's proposed nanoscience center by Richard Osgood, BNL's Associate Laboratory Director for Basic Energy Sciences.

Among other highlights, Osgood focused on the various activities that BNL scientists are already pursuing in nanoscience. These included: the work of physicist Thomas Vogt on powder-diffraction techniques of metal oxide nanocrystals; the study of electrocatalysts by chemist Radoslav Adzic; the growth of nanocrystals of molecular materials by chemist Michael White; and the study of charge transfer between nanomaterials by chemist Carol Creutz. The center will also focus on the emerging applications of nanoscience.

Osgood also described the scientific goals of the center as studying the properties and function of materials at the atomic level.

"These functional nanomaterials will be conventional ones such as piezoelectrics, ferroelectrics, catalysts, and optical materials, and new ones such as carbon nanotubes, cadmium sulfide nanodots, and complex metal oxides," he said.

During the workshop, the participants split into working groups to discuss key scientific research and instrumentation for the proposed nanoscience center.

— Patrice Pages



Sherwood Boehlert



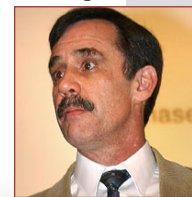
Russell Bessette



Richard Osgood



Harold Craighead



Tom Russell

Inside

Brookhaven Awards

Five BNLers honored for outstanding contributions. See story on page 2.

Brookhaven Lecture

Morgan May, Physics Department, presents "Strangeness in Nuclei," at 4 p.m. on Wednesday, March 20, in Berkner Hall. See story on page 2.



Roger Stoutenburgh D05A002

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 —

All Weekdays: English for Speakers of Other Languages Classes

Various times. Rec. Bldg., 2nd Floor. Learn English, make friends. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

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

Mon., Tues., & Thurs.: Aqua Aerobics

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

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., Tues., & Fri.: Tai Chi

Noon-12:45 p.m., Rec. Bldg. Scott Bradley, Ext. 5745, bradley@bnl.gov.

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 Mimi Luccio, 821-1435.

Tuesdays: Toastmasters

Meetings are 1st and 3rd Tuesday of each month at 5:30 p.m. in 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.

Wednesdays: English Exchange Table

noon-1:30 p.m., Berkner Hall. Native and non-native English speakers are welcome. Make friends and improve English skills. Jen, Ext. 4894, lynch@bnl.gov.

Wednesdays: On-Site Play Group

9:30-11:30 a.m., Rec. Bldg. Parents meet while children play. Monique de la Beij, 399-7656.

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., Rec. Bldg. Free. Ila Campbell, Ext. 2206.

Wednesdays: Stretch

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

Wednesdays: BNL Ballroom, Latin & Swing Dance Club Lessons

6-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053, or www.bnl.gov/bera/activities/dance.

Thursdays: Falun Dafa Class

noon-1 p.m., Free. Rec. Bldg. Falun Dafa refines the body and mind through exercises, meditation. www.falundafa.org.

Fridays: BNL Social & Cultural Club

7-11:30 p.m., Brookhaven Ctr., dance social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

March Is Women's History Month

— TODAY —

Friday, 3/15

*EAP Outreach Program

noon, Berkner Hall. Marion Gindes on "Be Your Own Best Coach: Put Your Personal Resources to Work For You."

— NEXT WEEK —

Monday, 3/18

Money Talks Seminar

noon, Berkner Hall. TIAA-CREF will present information about the Economic Growth and Tax Relief Reconciliation Act. Joyce Wund, Ext. 7516.

Tuesday, 3/19

Pick Up Daffodil Bouquets

11:30 a.m.-1:30 p.m., Berkner Hall. Pick up reserved daffodils or buy at \$7 from BERA Sales Office to benefit the American Cancer Society.

Wednesday, 3/20

Safety Glass Office Half-Day

The Safety Glass Office will be open from 9 a.m. to noon today. Deborah Botts-Keating, Ext. 3888, botts@bnl.gov.

Five Lab Employees Honored With Brookhaven Awards



Each year, BNL recognizes key contributors in support functions whose performance and achievements represent outstanding service to the Laboratory, especially in areas such as environment, safety, affirmative action, training, community involvement, and quality. Interim BNL Director Peter Paul presented this year's Brookhaven Awards, in the form of a commemorative plaque and a pre-tax award of \$2,000 to each recipient, at the Employee Recognition Award Ceremony on January 30. The honorees are: Katherine Carney (front, right), Waste Management Division; Michael Cowell (back, center), Environmental Management Directorate; Robert DiNardo (back, left), Instrumentation Division; Kathy Geiger (front, left), Community, Education, Government, & Public Affairs Directorate, and Elizabeth Mogavero (back, right), Physics Department.

Katherine Carney

Katherine Carney, Manager of the Waste Management Division (WMD), was recognized for her outstanding leadership of the division over the past two years for creating an infrastructure that is responsive to changing needs. At the same time, Carney has spearheaded efforts to restructure the division to improve performance and efficiency. Her commitment has contributed significantly to BSA's recognition as a responsible environmental steward of the site. For instance, BNL's WMD was the first such organization within DOE to achieve registration to ISO 14001, an internationally recognized standard of excellence in environmental management.

Michael Cowell

Michael Cowell, the Business Operations Manager of the Environmental Management Directorate (EMD), was cited for her excellent performance in driving the sweeping changes made within the directorate over the last two years. BSA recently demobilized Bechtel National, Inc., as the prime contractor for BNL's cleanup program, and EMD has been restructured to perform this work in-house. At the same time, the cleanup schedule was accelerated as mandated by BNL's stakeholders. Through this period of change, Cowell carried out her responsibilities over long hours. Her dedication and its results are recognized as exceptional.

Robert DiNardo

Robert DiNardo, a physicist in the Instrumentation Division, was recognized for ensuring that the division developed the necessary administrative controls, structure, and procedures to comply with federal, state, and county environmental, health, and safety mandates. He contributed substantial effort and ingenuity in applying BNL's Standards-Based Management Systems to diverse technological challenges, and his scientific knowledge and professional dedication resulted in their solutions. The Division's activities would not be flourishing without the environmental, health, and safety control made possible by the management systems that he developed.

Kathy Geiger

Kathy Geiger is the Community Relations Manager in the Community, Education, Government, & Public Affairs Directorate. She was awarded for outstanding contributions in designing and orchestrating a Lab-wide community-involvement program which has allowed BNL to re-establish trust with the community and improve communications within the Lab. The program is used as a model throughout DOE, other government agencies, and industry. The International Association of Public Participation chose BNL as "Organization of the Year," based on the success of this program as an example of best practices in community involvement.

Elizabeth Mogavero

Exemplifying the very best of BNL's administrative staff who support the Lab's science mission, Elizabeth Mogavero, a Physics Department assistant staff specialist, was awarded for her organization and planning contributions to the nuclear-physics community. She was recognized for her work for the STAR experiment at RHIC and for organizing the proceedings from Quark Matter 2001, which helped establish BNL as an important steward of nuclear physics. Mogavero created the Website for long-range plan development by the Nuclear Science Advisory Committee, maintaining it and other Websites. She has also been BNL's United Way financial coordinator for eight years.

— Liz Seubert

Strangeness in Nuclei

From the smallest single atom to the largest neutron star, matter is held together at the nuclear level by the strong, or nuclear, force.

At BNL, team of scientists from around the world is conducting research aimed at a better understanding of this force, by introducing into the nucleus a different kind of quark called "strange." The team has recently completed experiments far more sensitive and precise than ever before, revealing new kinds of strange nuclei and giving insight into the origin of the strong force.

To learn about these experiments and how properties of strange nuclei measured on Earth are related to the compo-

sition of neutron stars, join physicist Morgan May, Deputy Group Leader of the Medium-Energy Physics Group in BNL's Physics Department, as he presents the 371st Brookhaven Lecture, "Strangeness in Nuclei." May will speak on Wednesday, March 20, at 4 p.m. in Berkner Hall.

May joined the BNL staff in 1975 as a postdoctoral physicist and now heads BNL's nuclear strangeness physics program. May received his Ph.D. in physics from Columbia University.

Refreshments will be offered before and after the lecture. To accompany the lecturer to dinner after the talk, contact Cora Feliciano, Ext. 3908.

— John Galvin

Morgan May, Physics Department, with the innovative Hyperball detector, which was built in Japan and brought to BNL's Alternating Gradient Synchrotron to detect gamma rays from strange nuclei.



Roger Stoulenburgh 00140302

Science in Society Essay Contest

All Are Invited to the Award Ceremony, 3/21, 4 p.m.

The six finalists of the Science in Society Essay Contest will present essays and receive awards at a ceremony to be held on Thursday, March 21, at 4 p.m. in the Hamilton Seminar Room of the Chemistry Department, Bldg. 555. The Lab community is invited to attend; refreshments will be offered afterward.

Juniors from six local high schools — Deer Park, Newfield, Patchogue-Medford, Rocky Point, Sachem North, and Ward Melville — participated in the contest, which is sponsored annually by BNL's Office of Educational Programs and Friends of Brookhaven. The contest challenges students to question and deliberate the purposes and social implications of scientific research. At the ceremony, a grand champion will be announced, who will receive a \$500 award. The other five finalists will receive a \$200 award. The prizes are funded by Friends of Brookhaven.

Earth Day Art Contest

It's not too late to enter your child's art (grades 3-12) in the Lab's "Your Environment" art contest. Top entries will be chosen for publication in BNL's 2001 Site Environmental Report. For more information, contact Karen Ratel, Ext. 3711 or ratel@bnl.gov. Deadline for entries is April 1.

In Memoriam

Anna Kissel, whose life number was 57 and who had come to BNL on January 27, 1947, as a secretary in the Director's Office, died on October 1, 2001, at the age of 85. She had worked for the first four Lab Directors (1947-1972), retiring as Executive Secretary from the Physics Department on May 31, 1983, after 36 years of service.

Thomas Iarocci, Life Number 295, who had joined BNL as a fireman on March 22, 1947, died on December 9, 2001, at age 83. After 35 years of service, he had retired as Group Leader Plumber A from the Plant Engineering Division on September 25, 1981.

Meet the Candidates for the 2002 BERA Executive Board

The following four candidates are running for two 4-year positions on the Executive Board of the Brookhaven Employees Recreation Association (BERA).

This contest will be decided through an election to be held Monday-Friday, March 25-29. All employees of BNL, BSA, DOE, and employees of permanent, on-site contractors are BERA members — and are urged to

vote. The winners will be able to affect BERA recreation policies. So, read the campaign statements below so you make an informed choice before you cast your vote.

Voting will be held: Monday-Wednesday, March 25-27, 11:30 a.m.-1:30 p.m., at Berkner Hall; or Thursday and Friday, March 28-29, 10 a.m.-2 p.m., at the Teachers' Federal Credit Union.



Roger Stoulenburgh 00060302

John McCaffrey

John McCaffrey, a technical specialist in the Accelerator Magnet Division, has been involved in BERA activities since 1988.

McCaffrey plays in the Softball League and serves as secretary of the Exercise & Body Building Club. He had previously served as president of the men's and mixed Bowling League and as a softball manager in leagues 1 and 2. McCaffrey has also served as vice president on the BERA Board from 1999 to 2000.

"My goal has always been to make BERA clubs fun for everyone and improve facility conditions for all members," says McCaffrey, who has run bus trips to New York Yankee games and other trips to New York City.

McCaffrey has helped organize after-work parties such as the BERA Spring Fling and Summer Bash.

"If I am elected, I will work to provide the best service for the participants and family members of all BERA clubs." McCaffrey concluded, "I will make improving morale within the BERA organization a top priority."



Roger Stoulenburgh 00060302

Terry Monahan

Terry Monahan, a project engineer and Group Leader in the Safety and Health Services (S&EP) Division, has participated in various BERA activities since arriving at BNL almost 14 years ago.

He currently serves as the vice president of the BERA Exercise & Body Building Club and plays on the Bombers softball team, and he has previously been involved with both the volleyball and bowling leagues.

According to Monahan, "When you participate in BERA activities, you have the opportunity to meet many people that you otherwise would not meet. This makes for better work relationships."

His goals, if he is elected to the Board, are to increase the awareness of, and participation in, the various clubs and activities that BERA offers.

"Participating in BERA activities is one of the many perks of working at BNL," says Monahan.

"As an employee, you are shortchanging yourself of the BNL experience if you don't get involved in the many activities that BERA sponsors."



Roger Stoulenburgh 00060302

Susan Monteleone

Susan Monteleone, a senior administrative assistant in the Energy Sciences & Technology Department, has worked at the Lab since 1980.

Monteleone has been involved in various BERA activities since 1983. She has been a member of the BERA Aerobic Dance Club for more than ten years and is currently serving as the Club's president.

She has also played mixed league softball and has served as co-captain on two BERA volleyball teams.

"Over the years, I've helped organize numerous holiday parties and summer picnics," said Monteleone. If elected, she wants to encourage even more employee, retiree, and guest participation in various BERA activities.

"I believe that it is through these activities that we foster and maintain our community spirit and improve our quality of life at the Lab," said Monteleone.

"That spirit is one of the things that sets BNL apart, makes the Lab special, and proves that BNL is not 'just another place to work.'"



Roger Stoulenburgh 00060302

Gerry Shepherd

Gerry Shepherd, a safeguards associate in the Safeguards & Security Division, has been employed at BNL for 25 years. Shepherd has participated in BERA's softball, football, basketball, racquetball, and golf leagues. He has served as captain on many BERA athletic teams and is a past president of the BERA Basketball League.

"BERA has offered me the opportunity to achieve a healthy level of fitness in a collegiate environment where there is a great social and cultural mix," said Shepherd. "When I first came to the Lab, I was impressed with the quality and quantity of the Lab's recreational activities, facilities, and events.

"Today, I find BERA to be a workplace motivator and a non-quantifiable benefit!

"If elected, I will strive to ensure that BERA continues to contribute positively to our mental and physical health, and our cultural and social well-being," said Shepherd. "Also, if ever challenged about a budget or resource issue, I will help champion the value of our employee recreation program to Lab management."

Ten-Week Tai Chi Session Begins 3/25

Tai Chi is a traditional Chinese exercise for the mind and body that promotes health, calmness, and a general sense of well-being. The BNL Tai Chi Club will start a new session on Monday, March 25. Classes are held on Mondays, Tuesdays, and Fridays, from noon to 12:45 p.m. in the Recreation Bldg. The ten-week session costs \$40. Past members are welcome back, and new members are welcome too. For more information, contact Scott Bradley, Ext. 5745, or bradley@bnl.gov.

Tax Workshop for Non-U.S. Citizens, 3/20

The Quality of Life/Guest Services Committee is sponsoring a free income-tax workshop open to all BNLees and their spouses on Wednesday, March 20, from noon to 2 p.m. in the Recreation Bldg. Deborah Johnson, Director of Internal Audit, and Mark Israel, Fiscal Officer, will give income-tax guidance as it pertains to nonresident aliens. Participants should bring tax forms, tax-related information statements, and questions.

To register, call Ext. 8481 or e-mail guestservices@bnl.gov.

Arrivals & Departures

Arrivals

Guy Eaton Plant Eng.
Desigan Kumaran Biology
Edward Lacina S&H Svcs.
Zheng Lin Biology
James McNeely Plant Eng.
Yibo Mo Materials Sciences
Linda Satalino EENS

Departures

None

Spoken English Test

A free test of spoken English will be given by BNL's English for Speakers of Other Languages (ESOL) Program to anyone who wants to know the level of their English-speaking skills: beginner, intermediate, or advanced.

The test will determine grammatical correctness and comprehension of spoken English. BNL staff, visiting scientists, and spouses are welcome to take the test. Contact ESOL Program Coordinator Jennifer Lynch, Ext. 4894 or lynch@bnl.gov, to schedule an appointment.

EAP Outreach Workshop Today at Noon

Today, Friday, March 15, psychologist Marion Gindes will present a workshop at noon in Berkner Hall sponsored by the Employee Assistance Program (EAP). During her talk, "Be Your Own Best Coach: How to Put your Personal Resources to Work for You," Gindes will guide participants to identify their strengths and transform their weaknesses. All are welcome.

March Into May

Physical Activity Program Begins next Monday, 3/18

March Into May, a ten-week physical activity program running from March 18 to May 26, is designed to help everyone, regardless of fitness or activity level.

Participants who sign up through the Health Promotion Program will receive a questionnaire and daily activity record from a contact person in their area.

Participants set personal goals for moderate or vigorous exercise, then check off points on the activity chart. One point is earned for ten minutes of exercise, the point goal for a week being at least ten.

Last year, 332 employees participated in March Into May, and 299 reached at least 100 points by the end of the program. Many of them reported life-style changes such as: increased energy, better weight control, better concentration and handling of stress, being more productive on the job. Some even stopped smoking.

There will be a drawing for prizes for participants, and incentive awards for those who complete their ten-week activity chart. Sign up today for the free drawing. For more information, contact Mary Wood, Ext. 5923 or wood2@bnl.gov.

Softball Captains Meeting, 4/3

All softball team captains will meet on Wednesday, April 3, at noon in Berkner Hall, Room C. There, the balance of fees will be collected, and schedules and additional information will be distributed as well. Those interested in playing softball are invited to e-mail softball@bnl.gov.

Calendar

Wednesday, 3/20 (cont'd.)

*Brookhaven Lecture

4 p.m., Berkner Hall, Brookhaven Lecture on strangeness in nuclei will be given by Morgan May of BNL's Physics Department. See story on page 2.

Thursday, 3/21

Safety Shoe Office Closed

The Safety Shoe Office will be closed from Thursday, March 21, to Monday, March 25. It will re-open on Tuesday, March 26.

*Civil Rights History Talk

noon, Berkner Hall. Civil rights leader Amelia Boynton Robinson, winner of the 1990 Martin Luther King Freedom Medal, will describe her lifetime experiences. All are welcome to this free event. See notice on page 4.

BAC Meeting

12:30-1 p.m., Berkner Hall, Room C. Brookhaven Advocacy Council Meeting, Open Session. www.bnl.gov/bac.

BERA Bridge Club

7 p.m., Berkner Hall Cafeteria. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 3/25 —

Monday, 3/25

IBEW Meeting

6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. 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.

Sunday, 3/31

Easter Egg Hunt

11 a.m. in the Rec. Bldg. Each child should bring 15 plastic eggs filled with soft (NOT hard) candy. There will also be a craft to make and a piñata. Participants should bring a desert to share. Monique de la Beij, 399-7656.

— WEEK OF 4/1 —

Tuesday, 4/2

Workshops: Cholesterol & Hypertension

Cholesterol workshop: 11:30 a.m.-12:15 p.m. Bldg. 490, small Conference Room. Participants must register in advance to have blood work done prior to the workshop.

Hypertension workshop: 12:30-1:15 p.m. Bldg. 490, small Conference Room. Topics will include nutritional foods, healthy dining out, easy cooking, travel monitoring for success. Program will be facilitated by a registered dietitian. For registration information, contact Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesday, 4/3

*Softball Captain's Meeting

Noon, Berkner Hall, Room C. The balance of fees will be collected. Schedules and other information will be distributed. Anyone interested in playing softball should e-mail softball@bnl.gov.

Thursday, 4/4

BERA Bridge Club

7 p.m., Berkner Hall Cafeteria. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 4/15 —

Thursday, 4/18

BAC Meeting

12:30-1 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meeting, Open Session. www.bnl.gov/bac.

BERA Bridge Club

7 p.m., Berkner Hall Cafeteria. Morris

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.

Women's History Month Civil Rights Pioneer to Talk at BNL, 3/21

American civil rights pioneer Amelia Boynton Robinson will speak about her struggle for racial equality and social justice at noon on Thursday, March 21, in Berkner Hall.

Robinson will give her talk to celebrate her 90th birthday, as part of a tour called the "Dialogue of Civilizations." This dialogue, which aims to bring about peaceful coexistence among nations, is sponsored by the Schiller Institute, a foundation dedicated to the idea of the rights and dignity of humanity as expressed in the works of the nineteenth century poet and playwright Friedrich Schiller.

Robinson is the vice chair of the Schiller Institute Board. She also is the 1990 recipient of the Martin Luther King Freedom Medal and a member of the board of the Martin Luther King Center for Non-Violent Social Change.



Amelia Boynton Robinson with President Lyndon Johnson at the White House, with other civil rights leaders in 1965.

From the 1930s to the 1960s, Robinson labored for the right of African Americans to vote in Selma, Alabama. Martin Luther King Jr.'s attention was drawn to Selma in the 1960s because of Robinson's personal plea. In March 1965, Robinson was in the forefront of the march from Selma to Montgomery, known as "Bloody Sunday," where she was brutally beaten and gassed. In that year, the battle for the right of African-Americans to vote was won, when the U.S. Congress passed the Voting Rights Act.



Noon Music Recital, 3/20 Piano by Zoe Browder

Pianist Zoe Browder will present the next noon recital on Wednesday, March 20, in Berkner Hall.

Browder's BNL program includes exciting works by Kurtag and Bryant as well as George Crumb's Fantasy Pieces for Amplified Piano After the Zodiac. She has participated in the New York premiere of over a dozen new contemporary works at a variety of venues, including Columbia's Miller Theatre and the Juilliard School.



Browder will spend next year in The Netherlands as a Fulbright fellow, studying Dutch contemporary music.

Noon recitals are free and open to the public.

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/JOBS/jobs.html.

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

NS2399. PROJECT ENGINEER I (P-9) - Requires a bachelor's degree in engineering or science and a minimum of 10 years' experience. Specific experience related to decommissioning of nuclear facilities, design and execution of nuclear facility characterization and final status surveys, and a strong background in radiation protection and industrial safety is preferred. Will be responsible for the administration, planning, and execution of work activities for major projects and tasks as defined in the BGRR work packages and technical documents. Will implement requests, review and process RWPs, permits, and other documents. Will develop and execute BGRR program-related technical work documents, prepare and review specifications, report preparation, procurement, contractor oversight and overall implementation of D&D strategies. In addition, will manage work activities including work planning, engineering, regulatory, health and safety, and quality compliance, waste management and control infrastructure. Environmental Management Directorate

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK2266. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in experimental nuclear or elementary particle physics. Experience with detector hardware and the use of modern computing tools for detector simulation and data analysis desirable. Position is with the PHENIX Group, a multipurpose detector performing forefront research in the study of relativistic heavy ion and polarized proton collisions at the highest available energies. Will be participating in the collection and analysis of data and working on the detector. Under the direction of M. Tannenbaum, Physics Department.

NS8061. ADVANCED TECHNOLOGY ENGINEER (I-7) - Requires a bachelor's degree or equivalent, preferably in computer science or related discipline, and a minimum of 5+ years' experience in providing installation, diagnostic and problem resolution

services for LAN and WAN network environments. Experience with major networking operating systems and transport protocols (Cisco IOS, Linux, Solaris, TCP/IP, OSPF, EIGRP) and extensive hands-on experience configuring and installing a wide variety of network hardware and software components (Cisco 6000 series routers, Catalyst switches) required. Demonstrated knowledge of Network Management tools (HP Openview, Cisco Works) and verifiable proficiency in their use is a must, as is hands on experience configuring and managing PIX and Checkpoint firewall technology. Must demonstrate ability to manage VPN, DNS, DHCP functions hands-on, with minimal supervision. The ideal candidate will also have experience in installing and configuring storage area network (SAN) devices and technologies (EMC, Brocade, Compaq, fiber channel). CCNA certification at a minimum and demonstrated planning organizational, customer service, and excellent communication skills are a must. Must be available to perform network maintenance 24x7x365, as required, and be willing to serve as weekend on-call duty network engineer approximately one weekend a month. Information Technology Division.

NS2311. SR. TECHNOLOGY ANALYST (I-5, term appointment) - Requires a master's degree (or equivalent) in computer science and several years' experience in programming, especially for high-energy physics or large-scale nuclear physics experiments, using Object-Oriented languages such as Java and C++. Familiarity with the UNIX operating system, including basic system administration tasks and knowledge of scripting languages (PERL) is necessary. Physics Department.

NS8295. RESEARCH ENGINEER II (P-7, reposting, ERAP Eligible - \$1K) - Requires an advanced degree in electrical engineering and a minimum of five years' "hands on" experience with high power rf systems. Will design high-power vacuum-tube circuits and systems that produce up to one hundred kilowatts of rf power in the frequency range from 200 kHz to 200 MHz for particle-beam accelerators. Collider-Accelerator Department.

TB7701. SR. TECHNICIAN (TW-4, reposting) - Requires AAS in electronics technology or equivalent and at least two years' experience in analog and digital circuitry to the component level. Must be a self starter and willing to learn and keep up to date with new technologies. Experience with FPGAs is a plus. Computer experience (Windows, UNIX, LabView, C) helpful. Responsibilities will include testing, fabricating, maintenance and repair of rf systems for particle accelerators. Must be able to work mandatory overtime and be available during non-scheduled hours to respond to Collider-Accelerator operations. Collider-Accelerator Department.

TB2461. TECHNICIAN (TW-2) - Under close supervision of Facility Manager, will perform a variety of semi-routine technical support tasks related to printer and copier maintenance in support of Physics Staff. Duties include responsibility for routine maintenance of equipment, troubleshooting problems, ordering printer and copier supplies and delivering paper to multiple workstations. Some general technical and mechanical ability is important, as is the capability to respond promptly to requests for service and repair. Excellent interpersonal skills are necessary to relate to customers. Requires a high school diploma plus several years of relevant work experience. Hours 8:30 a.m.-12:30 p.m. (20 hours per week). Physics Department.