Talk Science To Mom, Dad

I

ast Friday and Saturday, March 8-9, BNL hosted a workshop on its proposed Center for Functional Nano-materials, a user facility to be located at BNL and open to scientists from academia and industry. The workshop 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.

The workshop opened with good news from Peter Paul, BNL's Internim Director, who announced that the New York State Office of Science, Technology & Academic Research (NYSTAR), through a collaborative nanoscale 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.”

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 one of three user facilities 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.

“Berkeley will serve the West, Los Alamos will serve the Southwest, Oak Ridge will serve the Southeast, and clearly we are not missing now is a center that will work in the Northeast and the Midwest,” Dehmer added. “That’s why so many of us are particularly interested in this workshop to form a foundation for a nanoscience center that will serve the Northeast.”

While BNL has three major facilities for probing materials at the atomic level, the NSLS, which produces very intense x-ray, ultraviolet, and infrared light; 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 esti-

ated 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 Besette, 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 Thomas B. Roe-

ber, Chair of the House Science Committee.

Also expressing his support for BNL’s leading role in nanoe-
technology, 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 Besette compared the center's potential impact on society to the changes brought about by the space race in the 1960s.

Said Besette, “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

Inside

Brookhaven Awards

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

Brookhaven Lecture

Morgan Freeman, film star, Department presents “Strange News in Nature” at 6 p.m. on Wednesday, March 10, in Berkner Hall. See story on page 2.

Talk Science To Mom, Dad

by Roger Osgood, BNL's Associate Director for Basic Energy Sciences.

"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 Thomas B. Boehner, 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 Besette compared the center's potential impact on society to the changes brought about by the space race in the 1960s.

Said Besette, “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

Focus on Science

Major scientific presentations at the workshop included: “Challenge of Nano-
technology in the 21st Century,” presented by Venkatesh Nara-
yanamurti, 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 presenta-
tion on the future scientific activities at BNL’s proposed nanoscience center by Richard Osgood, BNL’s Associate Labo-
ratory Director for Basic Energy Sciences.

Among other highlights, Osgood focused on the vari-
cious activities that BNL scientists are already pur-
suing in nanoscience. These included: the work of physicist Thomas Vogt on powerrful techniques of metal oxide nanocrystals; the study of electrocatalysts by chemist Radoslav Adzic; the growth of nano-
crystals of metallic materials by chemist Michael White; and the study of charge transfer between nanomater-
als by chemist Carol Crezat. The center will also focus on the emerging applica-
tions of nanotechnology.

Osgood also de-
scribed the scientific goals of the center as being the properties and function of materials at the atomic level.

“These functional materials will be for conventional ones such as piezoelec-
trics, ferroelectrics, magnetic materials, and new ones such as carbon nanotubes, cadmium sulfide nanodots, and complex metal oxides,” he said.

During the workshop, the participants split into work-
ing groups to discuss key sci-
cientific research and instru-
mentation for the proposed nanoscience center.

Patrice Pages

NYSSTAR to contribute $1.8 million for instrumentation

BNL's strong involvement in nanoscience research, which was fully demonstrated in a presenta-
tion on the future scientific activities at BNL’s proposed nanoscience center by Richard Osgood, BNL’s Associate Labo-
ratory Director for Basic Energy Sciences.

Among other highlights, Osgood focused on the vari-
cious activities that BNL scientists are already pur-
suing in nanoscience. These included: the work of physicist Thomas Vogt on powerrful techniques of metal oxide nanocrystals; the study of electrocatalysts by chemist Radoslav Adzic; the growth of nano-
crystals of metallic materials by chemist Michael White; and the study of charge transfer between nanomater-
als by chemist Carol Crezat. The center will also focus on the emerging applica-
tions of nanotechnology.

Osgood also de-
scribed the scientific goals of the center as being the properties and function of materials at the atomic level.

“These functional materials will be for conventional ones such as piezoelec-
trics, ferroelectrics, magnetic materials, and new ones such as carbon nanotubes, cadmium sulfide nanodots, and complex metal oxides,” he said.

During the workshop, the participants split into work-
ing groups to discuss key sci-
cientific research and instru-
mentation for the proposed nanoscience center.

Patrice Pages

Focus on Science
F

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, teams of scientists from around the world are 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 composition 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 37th Brookhaven Lecture, “Strange Nuclei in Nuclei.” May will speak on Wednesday, March 20, at 4 p.m. in Berkner Hall.

May joined the BNL staff in 1973 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

### 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. Internal 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 Callow (back, center), Environmental Management Directorate; Robert DiNardo (left), Environmental Management Division; Guthrie Ferguson (front, left), Community, Education, and 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 responsible and environmentally sensitive. At the same time, Carney has spearheaded efforts to restructure the division to improve performance and efficiency. Her contributions have been recognized significantly by BLS’s recognition of her as a responsible environmental steward of the site. For instance, BLS’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 Callow**

Michael Callow, 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. BCA 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, Callow 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 honored for his contributions to the environmental sciences, with the division’s efforts to improve BNL’s Standards-Based Management Systems to diverse technologically challenging, and his scientific knowledge and professional dedication resulted in their solutions. The Division’s activities would not have been possible even with the environmental, health, and safety controls made possible by the management systems that he developed.

**Kathy Geiger**

Kathy Geiger is the Community Relations Manager in the Community, Education, and 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 Information Association for Public Participation in DOE 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 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.

### 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 their 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 display in BNL’s 2001 Site Environmental Annual Report. For more information, contact Karen Ratel, Ext. 3711 or ratek@bnl.gov. Deadline for entries is April 1.

### In Memoriam

Anna Kiesel, 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.

— John Galvin
Meet the Candidates for the 2002 BERA Executive Board

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

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

Terry Monahan

Terry Monahan, a project engineer and group leader in the Safety and Health Services Division, has been involved in various BERA activities since arriving at BNL almost 14 years ago. He currently serves as the vice president of the BERA Exercise and 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 working 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.

“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 Monahan.

“So that spirit is one of the things that BNL sets apart, makes the Lab special, and provides a quantifiable benefit!”

Terry Monahan

Terry Monahan, a senior preventive assistant in the Energy Sciences & Technology Division, has worked at the Lab since 1983. He has been a member of the BERA Aerobic League Club for more than ten years and is currently serving as the Club’s president.

She has also played mixed doubles tennis 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 Monahan. “If elected, I will strive to encourage even more employees, 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 Monahan.

“So that spirit is one of the things that BNL sets apart, makes the Lab special, and provides a quantifiable benefit!”

EAP Outreach Workshop 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 Resooms to Work for You,” Gindes will guide participants to identify their strengths and transform them.

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. To register, contact Strongson, Ext. 4192, mms@bnl.gov.

Softball Captains Meeting, 4/3

All softball team captains will meet on Wednesday, April 3, at noon in Berkner Hall, Room C. 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 Lecturers on current events: All free and 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 Friday, March 22. It will re-open on Tuesday, March 26.

“Civil Rights History Talk

Robert Bonham, a current leader Aileen Bryant Robinson, son of the 1955 Martin Luther King Freedom Rider, will speak about his lifetime experiences. All are welcome to this free event. See story on page 4.

BAC Meeting

12:30-1:15 p.m., Berkner Hall, Room C. Brookhaven Advocacy Council Meet-


BERA Bridge Club

7 p.m., Berkner Hall Cafeteria, Morri

— WEEK OF 3/25 —

Monday, 3/25

IBEW Meeting

6 p.m., Knights of Columbus Hall, Rail-

road. Participants are encouraged to attend.

BAC Advisory Board meeting: 12:30-1:15 p.m. Room C.

Tuesday, 4/2

Workshops: Cholesterol & Hypertension

Cholesterol workshop: 10:30 a.m.

Room D. Hypertension: 5 p.m., Room E. Participants must register in ad-

ance of fees will be collected. See calendar for more information about the workshops.

BAC Advisory Board meeting: 12:30-1:15 p.m. Room C.

Wednesday, 4/3

Softball Captain’s Meeting

Note: Records of fees will be collected. Schedules and other information will be distrib-

uted. Anyone interested in playing soft-

ball should e-mail softball@bnl.gov.

Thursday, 4/4

BAC Meeting

12:30-1:15 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meet-


BERA Bridge Club

7 p.m., Berkner Hall Cafeteria, Morn-

— WEEK OF 4/1 —

Tuesday, 4/2

Softball Captain’s Meeting

Note: Records of fees will be collected. Schedules and other information will be distrib-

uted. Anyone interested in playing soft-

ball should e-mail softball@bnl.gov.

Thursday, 4/4

BAC Meeting

12:30-1:15 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meet-


BERA Bridge Club

7 p.m., Berkner Hall Cafeteria, Morn-

— WEEK OF 4/15 —

Wednesday, 4/18

BAC Meeting

12:30-1:15 p.m., Berkner Hall, Room D. Brookhaven Advocacy Council Meet-


BERA Bridge Club

7 p.m., Berkner Hall Cafeteria, Morn-

Note: This calendar is updated continuously and the information in the bulletin reflects the events and activities as of the date preceding that in the column. For more information about each event in the order listed above: dates, times, places, fees, and contact information is available on the BAC Web site: www.bnl.gov/bac.

Meet the Candidates for the 2002 BERA Executive Board

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

John McCaffrey

John McCaffrey, a technical specialist in the Accelerator Magnet Division, has been involved in BERA activities since 1988. McCaffrey plays in the Soft- ball Club. He has served as president of the men’s and mixed bowling leagues 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 condi-

tions for all members,” says McCaffrey, who has run bus trips to New York Yankee games and other trips to New York City.

McCaflrey has helped or-

ganize 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 improv-

ing the quality of BERA a top priority.”

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-be-

ing. The BNL Tai Chi Club will start a new session on Monday, March 25. Classes are held on Monday, Tuesday, Wednesday, and Thursday from noon to 12:45 p.m. in the Recreation Bldg. The ten-week session costs $40. Past participants are welcome back, and new mem-

bers are welcome too. For more information, contact Scott Brad- 

ley, Ext. 5745, or bradleyb@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 BNLers and their spouses on Wednesday, March 20, from 10 a.m. to 2 p.m. in the Recreation Bldg. Deborah Johnson, Director of Internal Audit, and Mark Israel, Fi-

nancial Officer, will give income-tax guidance as it pertains to nonresi-
dent aliens. Participants should bring tax forms, tax-related infor-

mation, and questions.

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

Arrivals & Departures

Arrivals


Departures None

Egg Hunt, 3/31

The Hospitality Committee will sponsor an Easter egg hunt at 3:30 p.m. on March 31. See the calendar at right for details.
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.

Women’s History Month

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.

Placment 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 Alternative 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, employees who are interested in positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2582; call the JOBLINE at Ext. 7744 [435-7744], be a list of all job openings, use a TDD system to access job information by calling (800) 344-8018, or access current job openings on the World Wide Web at www.lnf.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 RWS, 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, execution, documentation, health and safety, and quality compliance, waste management and control infrastructures. Environment Management Directorate

OPEN RECRUITMENT – Opportunities for Laboratory Employees and outside candidates.

NS2389. 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 pioned 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 I.M. Tarasov, Physics Department.

NS0851. ADVANCED TECHNOLOGY ENGINEER I (I-7) – Requires a bachelor’s degree or equivalent, preferably in computer science or related discipline, and 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 6500 series routers, Catalyst switches) is required. Demonstrated knowledge of network Management tools (HP Openview, Cimon Works) and verification proficiency in these tools is a must, as is hands-on experience configuring and managing IPv6 and Checkpoint firewall technology. Must demonstrate ability to manage VPN, DNS, DHCP functions hands-on, with mental supervision. The ideal candidate will also have experience in installing and configuring storage area networks (SAN) devices and technologies (IBM, Brocade, Compaq). Must have strong written and oral communication skills, demonstrated ability to provide training, support and technical assistance to customers, and to interact effectively with peers and superiors. Demonstrated ability to communicate technical documentation and demonstrated planning organizational, customer service, and technical communication skills are a must. Must be available to perform maintenance/market construction (24/7/365) as required, and be willing to serve as weekend on-call duty network engineer approximately one weekend a month. Physics Department

NS2311. SR. TECHNOLOGY ANALYST I (S-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 high-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

NS2325. RESEARCH ASSOCIATE II (S-8, reporting, CFA). Ph.D. or equivalent – 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 system circuits and systems that produce up to one hundred kilowatts of power in the frequency range from 200 kHz to 200 MHz for particle-beam accelerators.Collider-Accelerator Department

ST7737. SR. TECHNICIAN I (S-6, term appointment) – Requires an AA degree in electronics 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 FGAs is a plus. Computer experience (Windows, UNIX, LabView) is helpful. Responsibilities will include testing, fabricating, maintaining and repair of system 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

TB7701. SR. TECHNICIAN I (S-6, term appointment) – Requires an AA degree in electronics 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 FGAs is a plus. Computer experience (Windows, UNIX, LabView) is helpful. Responsibilities will include testing, fabricating, maintaining and repair of system 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

BULLETIN

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

Browder’s BNL program includes exciting works by Kurtág and Bryant as well as George Cumbi’s “Pieces for Am- plified 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 contemporary music.

Noon recitals are free and open to the public.

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 arrested. 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.

NS2311. SR. TECHNOLOGY ANALYST I (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

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

For more information, contact the Employment Manager, Ext. 2582; call the JOBLINE at Ext. 7744 [435-7744], be a list of all job openings, use a TDD system to access job information by calling (800) 344-8018, or access current job openings on the World Wide Web at www.lnf.gov/JOBS/jobs.html.