

Laboratory Director Marburger Addresses State of the Lab

As BSA approached its second March 1st anniversary as DOE's management and operations contractor, Laboratory Director John Marburger delivered an address on the state of the Laboratory to a filled Berkner Hall on February 17.

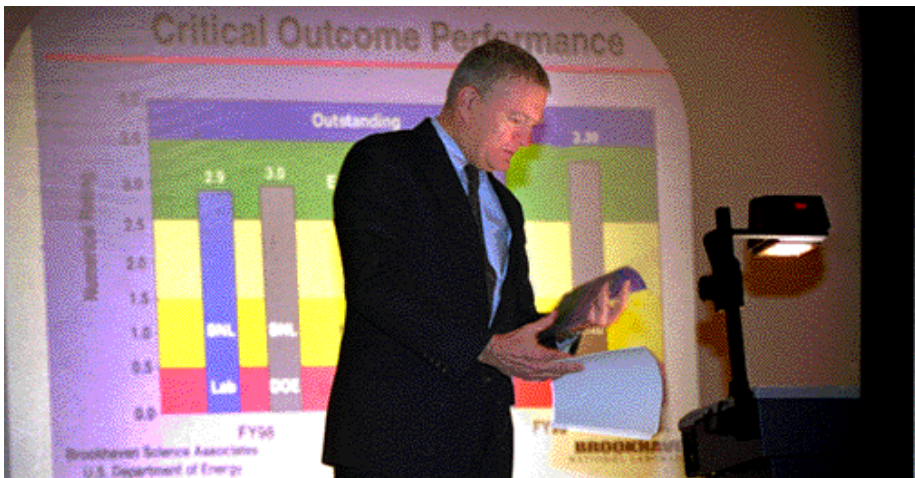
His talk touched on topics ranging from the Lab's future science role in a changing world and evolving DOE complex, to budget and management news.

He also discussed security changes and outsourcing, issues that have preoccupied the Lab community, and gave special recognition to employees for exceptional performance (see Brookhaven Bulletin, February 18, 2000).

For example, Marburger congratulated Ray Davis for sharing the 2000 Wolf Prize in Physics, as a result of his work on solar neutrinos. "This is an important award because it is often a precursor to the Nobel Prize," said Marburger. "And I'd like to think that we might have another Nobel in our future."

Reflecting on the past two years, Marburger said, "March 1, 1998 [the day BSA became BNL's management and operations contractor], seems like a very long time ago to me right now. It was in the last century, the last millennium. A lot has happened, and it has just been an extraordinary time for all of us."

A major theme of Marburger's talk



Lab Director John Marburger addresses employees on February 17.

was the increasing role that technology is playing in society, and how advances in that technology are affecting DOE and the national laboratories. As a result, he said, "We don't have any choice but to run very hard to keep up."

"Fortunately, in many areas, "Brookhaven Laboratory is ahead," he continued. "We have extraordinary facilities here and remarkable people who are working very hard, especially given the changing circumstances around us, to maintain our prowess in some key areas of science."

BNL's Science Future

In describing BNL's future, Mar-

burger pointed to several current initiatives, including the free electron laser project; environmental science initiatives such as the tropospheric aerosol program; the human proteome project; the recently established Center for Data Intensive Computing; and the muon storage ring project. Medical imaging, nanoscience technology, and the possible future use of the Relativistic Heavy Ion Collider (RHIC) as a heavy ion-electron collider will also play major roles as BNL moves into the 21st century, he added.

Just as important, the Director said, are initiatives that are funded through Laboratory Directed Research & Development (LDRD) monies. "We're

really trying to identify things we can invest in that will continue to grow and receive support primarily from Department of Energy programs," Marburger said. "We try to find themes that will integrate capabilities throughout the Laboratory."

Marburger said he plans to increase LDRD funding by approximately \$2 million per year over the next several years, bringing BNL up to the level of other national laboratories.

However, LDRD monies come out of overhead funds. "We don't want to increase the overhead very much, so, in order to do this, we're going to have to not do something else," he said.

The Director also addressed CERN's announcement that it had found evidence of quark-gluon plasma (see Brookhaven Bulletin, February 11, 2000), reassuring the crowd that RHIC's role is now even more important.

"I think a lot of people felt that [CERN's announcement] was a scoop," (continued on page 2)

BNL's FY00 Budget

In his address, Laboratory Director John Marburger reviewed the fiscal year (FY) 2000 and proposed FY2001 budgets, pointing out that the Lab's funding has remained "remarkably stable" over the past few years. Although there was a "little bit of a dip" from 1999 to 2000, Marburger said he believes the Lab will see an increase in 2001, based on the President's proposed budget released last month.

"The budget situation looks better, and that is my bottom line to you," the Director remarked.

For FY00, the Lab's overall budget is \$421.3 million, down from \$424 million in FY99. However, in 1999, the Lab only spent \$408.4 million, carrying forward a total of almost \$110 million to FY00. This includes approximately \$84 million carried over from FY98.

As a result, Marburger said, the Lab is in good financial shape. "With the carry-forward, we have an unprecedented, large amount of money available to us to spend to get our business done," he said.

According to Budget Officer Richard Melucci, some of that carry-forward will be put to use this year. "We have carefully analyzed the funds available to us and worked with the departments to develop a spending plan for this year of \$447 million, which is up considerably from the \$408 million spent in FY99," the Budget Officer explained.

For FY01, the Director commented, the picture looks better. In the President's FY01 proposed budget, the total funding for BNL from DOE sources is \$285.4 million, up from \$267.2 million in FY00. This includes substantial funding increases for nuclear and high-energy physics at BNL.

While the increase is good news, "We would like there to be even more," Marburger said. "What's at stake here is running time for RHIC and other experiments within the Collider-Accelerator Department, and the development of other areas of strength."

— Pete Genzer

BSA Distinguished Lecture

Understanding Potassium Channels

Roderick MacKinnon, an investigator at Howard Hughes Medical Institute and head of the Laboratory of Molecular Neurobiology & Biophysics at Rockefeller University, will give a BSA Distinguished Lecture titled "Exploring Potassium Channels: A Key to Understanding the Nervous System," on Wednesday, March 8, at 4 p.m., in Berkner Hall.

Potassium channels play a key role in transmitting the nervous system's electrical signals, which control the heart's pace, hormone balance and several other biological processes. Using a technique known as x-ray crystallography, MacKinnon and his colleagues recently determined the atomic structure of a potassium channel from the bacterium *Streptomyces lividans*.

From this information, researchers can learn more about how potassium channels function, which is important knowledge for designing drugs that may cure or alleviate certain neurological diseases, epileptic seizures and cardiac arrhythmias.

"Living cells produce electrical signals for communicating information across their outer membrane and for transferring information between cells in multicellular organisms," MacKinnon explained. "Muscle contraction is initiated when electrical impulses arrive from a nerve cell, and information in the central nervous system is encoded as electrical signals."

He continued, "Thus, our movements, thoughts and ability to sense the world around us depend on cellular electricity. Cell electrical signals are mediated by ion channels, which are proteins that catalyze the rapid, selective flow of ions across the membrane."

The lecture will present a historical

Roderick MacKinnon will deliver his BSA Distinguished Lecture on March 8 at 4 p.m. in Berkner Hall.

view of MacKinnon's understanding of ion-channel proteins and a discussion of potassium-channel mechanisms.

Roderick MacKinnon earned a B.A. in biochemistry from Brandeis University in 1978 and an M.D. from Tufts Medical School in 1982. He completed his residency at Beth Israel Hospital, Harvard University in 1985 and a postdoctoral fellowship at Brandeis University in 1989.

He then started his career as an assistant professor at Harvard Medical School, eventually becoming a pro-



fessor in the school's Department of Neurobiology. In 1996, he joined Rockefeller University as a professor in the Laboratory of Molecular Neurobiology and Biophysics, and, in 1997, he became an investigator at the Howard Hughes Medical Institute.

MacKinnon has won several honors, among them the Biophysical Society Young Investigator Award in 1995, the AAAS Newcomb Cleveland Prize in 1998, and the Albert Lasker Medical Research Award in 1999.

— Diane Greenberg

State of Lab (cont'd)

but, he added, “It’s not the discovery so much of the existence of this new state of matter, it’s unraveling its properties that is the important thing. Most people agree that what they saw suggests that there is something there that is important to look into more deeply, and that is what RHIC was designed to do.”

FY00, FY01 Budgets

As the Laboratory moves through 2000 and into 2001, Marburger said the budget picture is encouraging (see sidebar, page 1). Despite what he called a “peculiar underspending” of funds in fiscal year (FY) 1999, which resulted in extreme pressure on the Lab’s support units, Brookhaven’s overall budget has remained stable.

Marburger traces the \$109 million carryover of unspent funds from FY99 to changes the Lab has recently gone through.

“These last years have been very tumultuous, and there has been a major change in the funding of the Laboratory from high-energy to nuclear physics,” he said. “I believe some large departments prudently avoided spending money, anticipating that they would need it this year, and to some extent they’re right.”

When programs do not spend the money allocated to them, overhead funds never get to the support organizations. As a result, Marburger placed budget restrictions on the general and administrative units, forcing them to spend less than budgeted last year.

“This created a lot of strain in the support areas,” he said. “I apologize for that, but I didn’t want to start the fiscal year in a hole.”

After meeting with department heads to get a better handle on the level of funds that would actually be spent this year, Marburger found it was more than he expected. “Consequently, I’m able to solve some of the problems that were created by my restraints on these general and administrative units,” he said. “So, as we move into the remainder of this fiscal year, the Laboratory is operating under considerably less stress than I expected.”

Overall, the Lab’s FY00 budget is down approximately \$3 million from the FY99 level. Marburger said that, despite this “little bit of a dip,” he sees no evidence that DOE’s financial support of BNL is flagging due to “negative” news over the past several years. “The fact is the budget for the Laboratory has been remarkably stable, remarkably constant,” he said.

The Director added that despite the High Flux Beam Reactor (HFBR) closure, “There is no intention of reducing the budget of the Laboratory,” and that the neutron scattering group within the Physics Department, which relied upon the HFBR, remains fully funded. That group does “some extremely important work that is valued by the DOE, and there is no intent to cut that,” Marburger commented.

To increase the number of postdocs within all the scientific fields at BNL, Marburger revealed that the Lab will shoulder more of their costs directly. His goal is to double the number of postdocs on site by the end of the year, and, eventually, increase that number by a factor of three or four.

Postdocs are “the life blood of the Laboratory,” Marburger said. “It’s extremely important for us to have young scientists active in our laboratories.”

Report Cards, Security Issues

Near the end of his talk, Marburger reviewed the Lab’s annual “report card” from DOE, pointing out that BNL’s marks in relation to its set performance measures have steadily improved since 1997.

Historic BNL Photos in Stony Brook Exhibit

Two photographs from BNL’s past are featured in a new exhibit at The Museums at Stony Brook entitled “New Neighbors: Migrations and the Changing Face of Long Island.” The exhibit explores the cultural, economic and political impacts of recent migrations through photos — including one of Brookhaven Lab staff, circa 1947, and one of the late BNL retiree Henry Boyd (pictured right) as a Camp Upton soldier (see Brookhaven Bulletin, May 23, 1986), circa 1945 — as well as art, oral histories, maps, and more. The exhibit will run through July 4, from 10 a.m. to 5 p.m. Wednesday through Saturday and noon to 5 p.m. Sunday. The Museums are located at 1208 Route 25A, Stony Brook. For more information, call 751-0066.



“In 1999, we’re up toward the top of the excellent range, and, according to the Department of Energy, they seem to like what we’re doing,” he said. “Overall, science and technology continue to be rated close to outstanding.”

In addition, Marburger addressed real and rumored changes in DOE security policies following allegations of violations at Los Alamos.

“There’s a lot of consternation out there, and people are very concerned about things like polygraphs and a kind of heavy security atmosphere that they believe has or might inhibit science,” he said.

According to Marburger, many of the directives that the Lab has received from DOE in recent months have not been complete or have not gone through the proper approval channels. As a result, “We’re telling our local DOE officials and those in Washington that we think there are better ways of addressing their concerns at our lab,” the Director said.

Another issue that has concerned employees is the possibility of outsourcing some of the overhead functions at BNL. “We have some fairly impacted departments that are very concerned about the future of their jobs and future at the Laboratory,” Marburger said. “If you ask me, ‘Is outsourcing a way of the Lab in the future?’ you know my short answer to that is, ‘Yes, it is.’”

Marburger explained that, for the services the Lab needs, BNL is required to do a make-versus-buy analysis of each function to ensure that service is being supplied in the most

cost-effective way. In cases where it is not, the Laboratory must be able to justify a decision to continue providing the service in house.

For instance, “We made a very careful make-versus-buy analysis of the services provided for desktop computing in ITD, and it shows there could be a marginal gain if we outsourced those activities,” Marburger said. “However, it’s not very much and, in our opinion, it’s just not worth trying to go to outsourcing at this point for those services.”

In one high-visibility area, however, BNL probably will move to an outside vendor. Talks are currently under way to transfer the environmental restoration program to Bechtel, the company currently managing the Environmental Restoration Division. Here, according to Marburger, the situation is more complicated.

Environmental restoration is “not part of the Laboratory’s core mission from the [DOE] Office of Science’s point of view, so they don’t feel that money has to come here,” he said. “I’m working with Mike Schlender...to try to find a path forward for environmental restoration activities here at the Lab that satisfies the Department of Energy and is best for our employees.”

Overall, Marburger believes the Laboratory is headed in the right direction. Pointing to the recent Brookhaven and Spotlight Award winners as indicators of Lab employees’ dedication, he said, “We have outstanding people here who are working very hard to make this Lab excel.”

– Pete Genzer

Pick a Student by 3/10

Through next Friday, March 10, student applications for the Summer 2000 Energy Research Undergraduate Laboratory Fellowship (ERULF) program may be viewed via an electronic database. Addresses and passwords are available from the Office of Educational Programs (OEP), Bldg. 438, or from department education coordinators.

ERULF will run from June 5 to August 11. OEP pays for students’ stipends and round-trip transportation. Sponsoring departments must share the cost of one month’s housing for students requiring it. For more information, contact Louise Hanson, Ext. 5849 or hanson2@bnl.gov; or Cathy Osiecki, Ext. 4503 or cathyo@bnl.gov.

HazWoper Training

The on-site PACE Union Local 1-431 has scheduled a free 40-hour hazwoper course for BNL employees, contractors, and guests. It will take place 8 a.m. to 4:30 p.m., March 13-17, in the training room of Bldg. 703.

To register, contact Lou Evers, evers@bnl.gov or Ext. 4417, or Steven Coleman, coleman@bnl.gov or Ext. 2760.

Software Training

The Information Technology Division (ITD) has scheduled the following classes for March. To register for these classes, submit a training request form and an ILR for the appropriate amount to Pam Mansfield, Bldg. 515.

For more information and class schedules, go to www.itd.bnl.gov/bnl/training, or contact Mansfield, Ext. 7286 or pam@bnl.gov.

date	class	level
3/3&8	Word	advanced
3/9	Outlook	
3/10	Outlook	
3/10	Excel	beginner
3/13	PowerPoint	intermediate
3/16	Outlook	
3/20 & 21	Project	beginner
3/23	Excel	intermediate
3/24	Word	intermediate
3/29 & 30	Access	intermediate
3/31	Excel	advanced

Batter Up!!!

For more information, contact softball@bnl.gov.

BERA Softball Y2K

Spring is just around the corner and summer is not far behind, so it is time to think about the BERA Softball season.

BNL employees and their spouses are eligible. Consider joining a team or starting your own. Or, for the first time this year, join the players’ pool for the different leagues. Beginners through experienced players, and women and men are welcome. Join the fun and meet new people.

Softball Captains’ Meeting 3/15

Softball captains are invited to the first meeting of the Y2K preseason on Wednesday, March 15, in Room B, Berkner Hall. There, the balance of dues will be collected, and a league structure will be established so schedules can be determined.

Rifle & Pistol Club

The BNL Rifle & Pistol Club will next meet on Wednesday, March 8, at noon. Note that the location of the meeting has been changed to the conference room of Bldg. 535.

For more information, call Joe Gatz, Ext. 4212; Jim Durnan, Ext. 5993, or the club’s hotline, Ext. 2658. Or go to the club’s Web page at www.berahome.bnl.gov/clubs/rpc/rpc.html.

BWIS Lecture

Science, Technology Role in L.I.’s Future

The chief economist of the Long Island Association (LIA), Pearl Kamer, will discuss “The Role of Science and Technology in Long Island’s Economic Future,” on Tuesday, March 7, at noon in Room A, Berkner Hall. Her talk is sponsored by Brookhaven Women in Science (BWIS), and all are invited to attend.

LIA is the region’s largest business and civic organization, working with business, labor, government, and academia to improve the Island as a place to live, work and do business. In her role at LIA, Kamer monitors local, regional and national economic trends. In addition, she serves as the Director of the International Trade Research Institute of the College of Management at the C.W. Post campus of Long Island University. Kamer received her Ph.D. and M.B.A. from New York University.

Defensive Driving

A six-hour defensive driving course will be offered on Saturday, March 18, 9 a.m.-3:30 p.m., in Room B, Berkner Hall.

The course will be taught by a Metropolitan Life instructor and is open to all BNL, BSA and DOE employees, facility-users, other visitors, and their families. The cost is \$23 per person.

Completing the course entitles participants to a 10-percent discount on vehicle collision and liability insurance for three years, and to have up to four points deducted from their driving records if they were incurred during the 18 months before completing the course.

To register, send a check, made payable to Empire Safety Council, to Scott Zambelli, Empire Safety Council, P.O. Box 670, Mount Sinai, NY 11766. Checks must be received by Tuesday, March 14. For more information, call Zambelli, 582-6544, Ext. 5877 (not the on-site Ext. 5877).

Volleyball

League standings as of February 25

Open League A	Mixed League 2
Drilling & Ex. Co. 36 - 9	Safe Sets 42 - 6
Shank, Carry&Throw 29 - 16	Spiked Jello 37 - 14
Far Side 16 - 29	Up-Setters 35 - 16
Death Volley 9 - 36	Inside Out 32 - 22
Open League B	Nuts & Bolts
Late Entry 34 - 11	Group Sets 12 - 42
Bumpin Ugliers 32 - 13	Setups 5 - 46
Mon. Nite Live 16 - 29	
The Stars 8 - 37	Mixed League 3
Mixed League 1	Six Samurai 37 - 8
I Want Your Sets 32 - 13	Upton Ups 34 - 11
Set To Kill 29 - 16	NWO 22 - 23
Scared Hitless 17 - 28	Net Setters 22 - 23
Rude Dogs 12 - 33	Net Workers 15 - 30

Water Aerobics

Eight weeks of in-water stretching and aerobics classes will again be offered to employees and their spouses at the Lab pool, Bldg. 478, from 5:20 to 6:20 p.m., on Tuesdays and Thursdays. Classes begin on March 2 and 7, respectively.

Sponsored by the Health Promotion Program of the Occupational Medicine Clinic, water aerobics classes are free. However, participants must pay the daily pool fee of \$2 or must own a season pool pass.

Registration for water aerobics is a must. To sign up for one or both days of classes, call Health Promotion Specialist Mary Wood, Ext. 5923.

Arrivals & Departures

Arrivals
Philip T. Beauparlant PPM
Carol D. Davis OMC
Terry M. Harrison NSLS
Claire G. Lynga NSLS
Lisa M. Morello Collider-Accel.
Milton F. Yee Financial Serv.
Departures
Said F. Mughabghab Adv. Tech.
Thomas Shea Collider-Accel.
George Sintchak Superc. Magnet
Sylvester C. Suda Adv. Tech.
Barbara S. Boerjes Adm. Support
Gary Utz Collider-Accel.

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On the World Wide Web, the Brookhaven Bulletin is located at www.pubaf.bnl.gov/bulletin.html. A Weekly Calendar listing scientific and technical seminars and lectures is found at www.pubaf.bnl.gov/calendar.html.

BERA Returns to Disney World

Reserve now for BERA's ninth annual group trip to Walt Disney World in Orlando, Florida. The seven-day, six-night trip is scheduled from Thursday, October 26, through Wednesday, November 1. The trip is open to BNL, BSA, and DOE employees, Lab guests, on-site contractors, and their families.

The discounted group-package rates per person are as follows:

4 adults/rm.	\$982.85	child ages 10-17*	\$609.06
3 adults/rm.	\$1,107.45	child ages 3-9*	\$515.11
2 adults/rm.	\$1,356.65	child ages 2 & under**	\$202.00
1 adult/rm.	\$2,104.24		

*Rates for children ages 3-17 are applicable only when children occupy room with adult(s); maximum five per room, or six with child under 3.

**Cost is for full-fare airline ticket.

Included in the rates are:

- Round-trip, nonstop flight between Islip and Orlando;
- Round-trip transportation between Orlando airport and the hotel;
- Baggage handling;
- Six nights of accommodations at Disney's Polynesian Resort;
- Seven days of unlimited transportation within the Walt Disney World Resort;
- Unlimited admission and use of attractions at the Magic Kingdom, EPCOT, Disney-MGM Studios Theme Park, Typhoon Lagoon, Blizzard Beach, Pleasure Island, River Country, Animal Kingdom, and Discovery Island;
- One coupon good for breakfast at one of Disney World's breakfast eateries, including a character breakfast; and
- One coupon good for dinner at one of Disney World's dining locations.

Reserve now, first come, first served, with Recreation Supervisor M. Kay Dellimore, Ext. 2873, Human Resources Division, Bldg. 185. A deposit of \$150 per person is required. For more information, call Dellimore, Ext. 2873, or Andrea Dehler, Ext. 3347.

Ski BERA

BERA is sponsoring a one-day ski trip on Wednesday, March 22, to Brodie Mountain ski resort in Ashford, Massachusetts. The cost of \$45 per person includes round-trip bus and lift ticket. A restricted new-skier package is available for \$55 per person.

The bus will leave from the BNL tennis-court parking lot at 5 a.m. and will make a pickup at LIE exit 63 if requested. The bus will return around 9 p.m.

Pay for your place on the trip by March 13 at the BERA Sales Office, Berkner Hall, Tuesday through Thursday, 9 a.m. to 1:30 p.m. For more information, call Andrea Dehler, Ext. 3347, or Bob Marascia, Ext. 7779.

Retirement Counseling

A TIAA-CREF representative will visit the Lab Monday through Wednesday, March 27-29, to answer BNL employees' questions regarding the TIAA-CREF retirement plan, in one-on-one counseling sessions. Questions employees might ask include:

- What are the differences between TIAA and CREF?
- How should I allocate my money between TIAA and CREF?
- What options and flexibilities do I have for my existing dollars with TIAA-CREF?
- What are my retirement options?

A limited number of 45-minute appointments are available; to arrange one, call Duane Walden, 800 842-2733, Ext. 7289 (not on-site Ext. 7289).

How to Be Transported Around the Site

For more information, contact Travel & Transportation Supervisor Sylvia Mouzakes at transportation@bnl.gov.

Shuttle Service

Since February 22, the number of runs made by the on-site shuttle has been reduced to one per day. On weekdays excluding holidays, this morning shuttle transports people from visitor housing to the cafeteria and various work locations around the site.

The run begins at 7:30 a.m. in the apartment area and ends at 8:16 a.m. at the Relativistic Heavy Ion Collider building. The complete shuttle schedule and rules may be viewed at www.bnl.gov/bnlweb/shuttle.html.

Courtesy Van Service

Also since February 22, a free, on-call courtesy van has been providing door-to-door service on site weekdays, excluding holidays, between 8:45 a.m. and 4:15 p.m.

To arrange for a pickup, call Ext. 2714. Callers must supply their names, extensions, pickup and drop-off locations, and the number of passengers to be transported. Callers are advised to be ready for pickup before placing the call.

The driver will meet those in need of a ride at the main entrance of the building specified. Since there is only one courtesy-van driver, requests will be accepted first come, first served.

Classified Advertisements

LAB RECRUITMENT - Opportunities for Laboratory employees.

MK8343. DIVERSITY COORDINATOR POSITION - (reposting) Requires excellent oral and written communication skills, knowledge of MS Word and at least several years of Lab experience, preferably in an administrative position. A bachelor's degree is preferred. Must have demonstrated interest in and knowledge of the diversity/EEO field, and the ability to undertake some travel. Knowledge of human resources policies and procedures, and equal employment law and affirmative action highly desirable. Will be responsible for assisting in the formulation and implementation of programs and special projects

relating to the affirmative action plan and equal employment opportunity compliance. In addition, will administer several Diversity Office programs, which include the recruitment of minorities and women, representing the Lab on and off site, delivering training programs, and participating in Diversity Office's Lab-wide projects. Diversity Office.

DD8576. SECRETARIAL POSITION - (part-time; reposting) Requires an AAS degree in secretarial science or equivalent experience, excellent oral and written communication skills, and experience with MS Word. Knowledge of BNL systems such as IPAP, JCARS, PeopleSoft and travel is highly desirable. Will provide varied secretarial and clerical support to the Office of Economic Development & Technology Transfer and the Office of Research Administration. Office of Economic Development & Technology Transfer.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

Cell-Phone Demos

On Wednesday, March 8, Bell Atlantic Mobile will be in Berkner Hall from 11 a.m. to 2 p.m., to discuss its mobile phone service and dedicated, wireless data service. Special pricing plans will be available. For more information, call Harry Campbell, 458-9122.

Sprint PCS will be in Berkner Hall from 11 a.m. to 2 p.m. on Friday, March 10, to explain its cellular-phone services. With a two-year contract, Sprint PCS offers phones for as low as \$9.99, 180 minutes for \$29.99, 500 minutes for \$50, free domestic long distance service, and an additional phone for \$14 per month. For more information, call Brian Bearman, 462-3220.

Basketball

Scores from games on February 10

Bombers 83	Wizards 81
Troy Mayo 33	Chris Ingolia 18
Brian Hobson 16	Jerry Gaeta 15
Don Davis 8	Jim Garrison 15
Pete Ratzke 8	Charlie Edwards 12
Doug Aichroth 7	Steve Springston 12
Jim Rank 7	Dorian Mergen 7
Sean Baugh 2	Chris Fockenberg 2
Pat Moylan 2	

Three-point shots: Mayo (6), Garrison (5), Hobson (2), Ingolia (4), Gaeta (3), Rank.

Heavers 70	Magic 56
Steve Jao 23	Mike Mallardi 14
Al Boerner 20	Shane Stadler 14
Greg Mack 15	Mike Grodski 10
Reggie Sanchez 12	Hector Machado 9
	Jan Chaloupka 9

Three-point shots: Chaloupka (3), Jao (3), Grodski (2), Machado (2), Mallardi (2), Boerner, Stadler.

Scores from games on February 24

Wizards 76	Magic 50
Jerry Gaeta 19	Jan Chaloupka 18
Charlie Edwards 17	Mitch Williams 10
Chris Ingolia 16	Shane Stadler 9
Steve Springston 10	Rusty Towell 9
Jim Garrison 6	Mike Fulkerson 4
Chris Fockenberg 4	
Dong Jo Kim 4	

Three-point shots: Chaloupka (4), Gaeta (3), Ingolia (3), Garrison (2).

Heavers 64	Bombers 51
Seth LeGrand 29	Troy Mayo 21
Steve Jao 13	Doug Aichroth 14
Greg Mack 7	Brian Hobson 13
Al Boerner 6	Pete Ratzke 2
Tim Powers 5	Jim Rank 1
Reggie Sanchez 4	

Three-point shots: Mayo (4), Hobson (3), Aichroth (2), Boerner, Jao, Powers.

GLOBE@BNL

BERA's gay and lesbian club, GLOBE@BNL, will hold its next monthly meeting on Wednesday, March 8. For more information and the meeting's location, call Mike Loftus, Ext. 2960, or Chris Gardner, Ext. 4537, or go to the club's Web page at <http://homestead.juno.com/bnlglobe/files/home.html>.



MK8579. SCIENTIST - Requires a Ph.D. in physics and significant experience and knowledge of PET or MRK imaging instrumentation. Will initiate research studies within the NIDA/DOE Regional Neuroimaging Center and for leading a new Medical Department medical physics initiative in imaging instrumentation, to include the creation of collaborations with BNL's Instrumentation Division and the Physics and Chemistry Departments, and other institutions. Under the direction of N. Volkow, Medical Department.

MK8581. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in organic or medicinal chemistry and experience in organic synthesis. Experience in the development of new radiotracers labeled with short-lived positron emitters is desirable. Will develop labeled organic compounds for studies in human neurosciences performed within the Radiotracer Chemistry & Neuroimaging Group. Under the direction of Y.-S. Ding, Medical Department.

(continued on page 4)

CLASSIFIED ADVERTISEMENTS (cont'd)

MK8372. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in materials science, condensed-matter physics or chemistry, strong background in crystallography and materials science, hands-on experience with synchrotron x-ray and neutron powder diffraction, and in-depth knowledge of structure analysis using Rietveld refinements. Experience in high-pressure work using diamond-anvil cells and magnetic neutron scattering, and familiarity with modern computing environments highly desirable. Will apply high-resolution powder diffraction to study structure-property relationships in materials such as complex oxides and alloys. Current areas of interest include battery-related materials and complex oxides, in particular GMR and other magnetoresistant oxides. Under the direction of T. Vogt, Physics Department

MK8822. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in nuclear engineering with experience in complex reactor-physics calculations and/or neutronics codes running on UNIX systems, and excellent oral and written communication skills. Ability to do calculations using a spreadsheet, write FORTRAN code modifications according to quality-assurance procedures, and produce complex graphical displays of results is highly desirable, as is experience with nuclear engineering computer codes. Work may include one or more of the following: testing modifications being made to the PARCS nodal neutronics code to calculate cores containing MOX fuel; calculating the effect of MOX fuel and/or high burnup fuel on transients in which neutronics is important; assessing the effect of very high burnup on basic reactor-physics models in lattice physics codes; and/or calculating the neutronics effect of liquid metal as a gap material in light water reactor fuel. Under the direction of D. Diamond, Department of Advanced Technology.

MK8580. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. or medical degree, with research experience in pharmacology or related field. Previous experience using radiotracers in biomedical research, and/or studying dopaminergic neurotransmission is advantageous. Will develop radiotracers for positron emission tomographic (PET) and single photon emission computed tomographic (SPECT) imaging, and elucidate the pharmacology of these tracers. Under the direction of S.J. Gatley, Medical Department.

MK8559. SPECIAL ASSISTANT TO THE ASSOCIATE LABORATORY DIRECTOR (ALD) FOR LIFE SCIENCES - (reposting) Requires a bachelor's, master's or Ph.D. in an appropriate discipline. Should have previous managerial experience and possess excellent analytical and oral and written communication skills. Will report to and provide direct managerial and administrative support to the ALD for Life Sciences in the operation of the life-sciences program. Will ensure the application of DOE, BNL and other pertinent regulations, coordinate audits and reviews within the Life Science Directorate, and oversee and implement corrective action plans and/or improvement initiatives. Will work on special studies and projects; represent the ALD, as requested, at meeting and planning sessions; and act as liaison between ALD and organizational units reporting to ALD. Will also respond to requests for information from the Laboratory, DOE and outside organizations. Director's Office.

MK8870. MANAGEMENT DEVELOPMENT/ORGANIZATIONAL DEVELOPMENT SPECIALIST - Requires a bachelor's degree or equivalent, MS preferred; five to seven years of experience in planning, designing and delivering training programs to management and professional employees; and two years of organizational development experience, including team building, process consultation, and organizational design. In addition, requires excellent interpersonal, communication, facilitation, and platform skills. Familiarity with Internet Explorer, MS Word, Excel, and PowerPoint software, and several years of supervisory or group-leader experience preferred. Responsibilities will include assisting with implementing, tracking, and evaluating organizational development programs, and designing, developing and implementing management training and education programs. Will assist line managers in assessing management training and career development needs within the Lab. Human Resources Division.

MK7797. CHIEF CYBER SECURITY OFFICER (CCSO) - Requires a bachelor's degree, MS preferred, substantial experience in computer security, and excellent oral and written communication skills. Must be able to obtain and maintain a security clearance. Will report directly to the Chief Information Officer and on a dotted line to the Cyber Security Advisory Council. Will be the senior Lab staff member responsible for setting the strategic plan for unclassified security and ensuring its implementation. Will be the key interface with DOE, other government and law enforcement agencies, and vendors and consultants on issues related to cyber security. Responsibilities will include developing, implementing, monitoring and controlling BNL's strategic cyber security plan; directing the security operations and incident response team; and performing investigations, establishing forensics and supporting security policy enforcement. In addition, will apprise BNL senior management of threats and vulnerabilities, and develop and implement security training and education programs. Information Technology Division.

NS8453. HEALTH PHYSICIST POSITION - Requires a bachelor's degree in science, MS preferred; extensive health physics experience, preferably in external and/or internal dosimetry; and technical writing experience, preferably technical procedure (SOP) writing. Experience with Harshaw TLD systems a plus. Will provide professional HP support to the DOELAP project, ensuring that the program meets necessary requirements; perform external/internal dosimetrist duties; develop documentation, prepare reports, maintain QA records; and conduct field dosimetry studies as needed. Radiological Control Division.

NS8835. FACILITY SUPPORT REPRESENTATIVE POSITION - Requires an MS in nuclear engineering/health physics or related science discipline; extensive operational experience in nuclear power plant, accelerator, facility decommissioning, licensing or university health physics; and excellent communication skills. Certification by the American Board of Health Physics is desirable. Will assist technical staff in performing health physics, industrial hygiene and industrial safety surveys; prepare radiological work permits; participate in audits; review operating procedures; develop budgets; and manage technical staff. Radiological Control Division.

NS8466. SCIENTIFIC ASSOCIATE POSITION - Requires a BS in chemistry or equivalent capabilities; computer literacy, including familiarity with Microsoft

Access and Oracle/UNIX; and excellent communication skills. Will identify and evaluate chemical properties for site-wide computerized chemical inventory tracking system; apply bar-code labels and collect pertinent data from chemical containers; perform chemical inventory field support; maintain database objects; and provide technical assistance to the Laboratory community. Must exercise independence and judgement in evaluating chemical information and making sound decisions. Safety and Health Services Division.

DD8452. TECHNICAL POSITION - Requires AAS degree in a technical field and experience in health physics, preferably in external and/or internal dosimetry. Technical procedure writing experience is highly desirable, as is experience with the Harshaw TLD systems. Will provide technical and laboratory support for area monitoring, special measurements and the TLD personnel monitoring programs. Will process thermoluminescent dosimeters (TLDs) and conduct operations in the TLD-processing laboratory consistent with DOELAP accreditation requirements. Will calibrate, operate, maintain and repair dosimeters and related laboratory equipment. Additional duties include maintaining files and databases. Radiological Control Division.