

## RHIC Magnet Production Complete

# DOE's Kovar to RHIC Magnet-Makers: 'You're Best in the World'

To celebrate the Relativistic Heavy Ion Collider (RHIC) Project's most recent milestone — the successful completion of RHIC magnet production — a packed crowd gathered in the magnet assembly area of the RHIC Magnet Facility, Bldg. 902, on the afternoon of Thursday, September 17.

As congratulations and refreshments flowed among the approximately 300 invitees, Satoshi Ozaki, RHIC Project Director, thanked "each and every one" of the RHIC magnet groups "for their highest quality work and a job very well done."

In praising those who had contributed, past and present, to this achievement, Ozaki was joined by BNL Director John Marburger, U.S. DOE Director of the Office of Energy Research Martha Krebs, and Acting Director of DOE's Division of Nuclear Physics Dennis Kovar.

As the last invited speaker, Kovar said to the assembled magnet team, "You're good, you're very, very good. I think you're best in the world at what you do."

In addition to thanking most particularly those who worked on the Bldg. 902 floor and in other magnet manufacturing and testing areas, Ozaki cited those who had worked on research and development, and the

(continued page 3)



Among those at the RHIC magnet celebration are: (front, from fourth from left) U.S. DOE Director of the Office of Energy Research Martha Krebs, RHIC Project Director Satoshi Ozaki, Acting Director of DOE's Nuclear Physics Division Dennis Kovar, and (behind Ozaki) BNL Director John Marburger.

## Meet Energy Secretary Bill Richardson During His First Visit to BNL Next Tuesday

All employees are invited to a meeting in Berkner Hall tentatively scheduled from 11:30 a.m. to noon on Tuesday, September 29, with recently confirmed U.S. Energy Secretary Bill Richardson (see Brookhaven Bulletin, July 17, 1998), during his first visit to BNL.

Richardson's one-day stop at the Lab will feature tours of: the High Flux Beam Reactor, the Brookhaven Graphite Research Reactor, the National Synchrotron Light Source, and the Relativistic Heavy Ion Collider.

The Energy Secretary will review the latest research on addiction, aging and disease being done in the Chemistry and Medical Departments using positron emission tomography to understand the biochemistry of the brain. In addition, he will discuss environmental issues of concern to the Laboratory and the neighboring community.

Richardson also will breakfast with BNL's Integration Council and DOE Brookhaven Group management.

After addressing employees, Richardson will meet with community representatives at an event to be hosted by Suffolk County Executive Robert Gaffney.

## BSA Awards Tenure to Five BNL Scientists

# John Gatley, Medical Department

Five Brookhaven scientists have been granted tenure by the BSA Board of Directors, effective August 1. The five scientists are: Jeffrey Coderre, Medical Department; Yu-Shin Ding, Chemistry Department; John Gatley, Medical; Stephen Peggs, Relativistic Heavy Ion Collider Project; and José Rodríguez, Chemistry. The following article on Gatley is the third to appear in a series that the Brookhaven Bulletin started August 28 to discuss the work of each of the new tenure recipients, in alphabetical order.

John Gatley (right), a scientist in the Medical Department, has focused his medical research in recent years on developing radioactive compounds for medical imaging, investigating pharmaceuticals that may stop the addictive effects of drugs such as cocaine, and determining the effects of radiation in space on the brain.

Medical Chair Nora Volkow strongly recommended Gatley for tenure on the basis of his scholarly contributions to knowledge on the development of radiopharmaceuticals, including benchmark studies probing the mechanisms governing the interac-

tions between chemical compounds and living systems.

"Of particular note," stated Volkow, "are, first, his construction of models describing the interaction between cocaine and the dopamine transporter — the major site of cocaine actions in the brain — which provide a fresh perspective on why attempts to treat cocaine with other transporter blocking drugs have failed. Also, he has made a significant advance by developing the first radiotracer for imaging the cannabinoid, i.e., marijuana, receptor in the living brain, which is

(continued on page 2)

## BSA Distinguished Lecture

# Understanding the Language of Insects

Could insects inherit the earth?

Thomas Eisner says they virtually own it already. As evidence, he points out that for every human alive, there are some 200 million insects.

Eisner, a world-renowned authority on animal behavior, ecology and evolution, will give the first lecture of the BSA Distinguished Lecture Series on Thursday, October 1, at 4 p.m., in Berkner Hall. The series will feature talks on various scientific topics of general interest. Refreshments will precede and follow each lecture.

As Eisner will explain, insects achieve their preeminence through their communicative skills. Entitled "Better Living (and Loving) Through Chemistry — Insect-Style," Eisner's photograph-illustrated talk will deal with what insects say to one another and how they say it.

Eisner earned a B.A. in 1951 and a Ph.D. in 1955, both in biology from Harvard University. After serving as a postdoctoral fellow at Harvard, he moved to Cornell University, where he is now Jacob Gould Schurman Professor of Chemical Ecology and Director of the Cornell Institute for Research in Chemical Ecology.

(continued page 2)



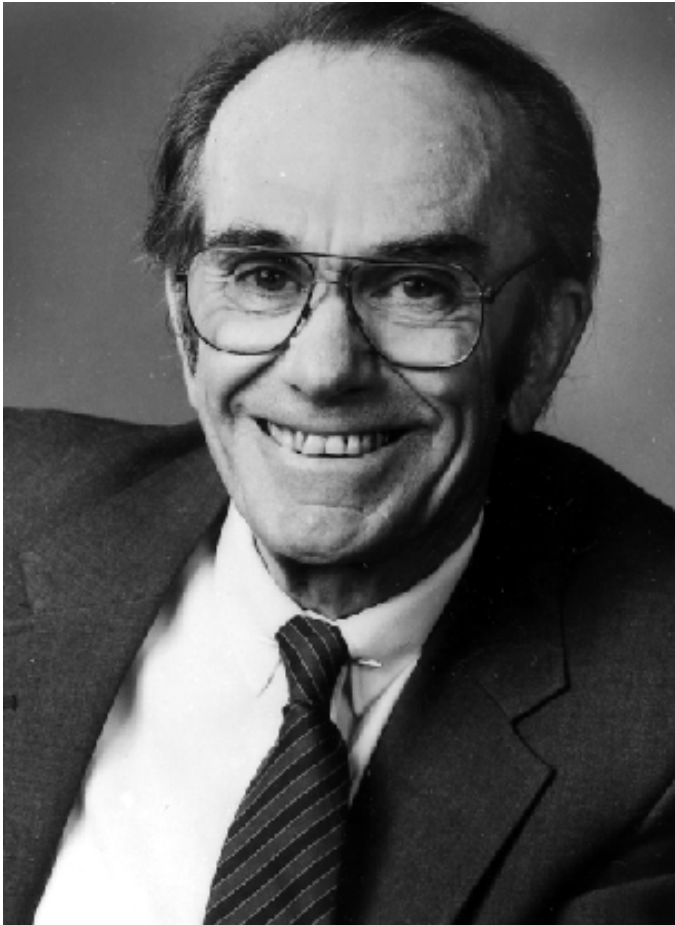
BSA Lecture  
(cont'd.)

A field biologist with working experience on four continents, Eisner is an active conservationist. He has served on the Board of Directors of the National Audubon Society and National Scientific Council of the Nature Conservancy, and he is currently on the Board of Directors of the Union of Concerned Scientists.

Eisner has recently advocated "chemical prospecting," searching for medicinals, agrochemicals, and other useful substances from nature. Also, Eisner has brokered a prospecting partnership between the pharmaceutical firm Merck & Co. and Costa Rica that will engender revenue for preservation of Costa Rican biodiversity.

A member of the National Academy of Sciences, the American Academy of Arts & Sciences, and the American Philosophical Society, Eisner is also President of the Xerces Society, an organization devoted to the preservation of invertebrates. He has received numerous honors, including the 1994 National Medal of Science, the 1991 Gustavus J. Esselen Award for Chemistry in the Public Interest, and Harvard University's Centennial Medal in 1989.

— Diane Greenberg



Thomas Eisner

John Gatley (cont'd.)

another important 'first' for Brookhaven."

Gatley has coauthored a total of 123 peer-reviewed publications, 68 of which were produced at BNL, 19 with him as first author. According to Volkow, "The noteworthy aspect of John's first-author publications is the wide range of topics they encompass, including enzymology, dosimetry, radioanalytical methodology, receptor neuroscience, kinetic modeling and radiotracer synthesis. John's breadth of vision and ability to contribute creatively in all of these areas truly sets him apart and makes him especially valuable in a multidisciplinary research program."

Educated in England, Gatley received a B.Sc. in chemistry from the University of Durham in 1970, then an M.Sc. in microbiological chemistry and a Ph.D. in biochemical pharmacology from the University of Newcastle-upon-Tyne, in 1971 and 1975, respectively.

From 1975 to 1985, Gatley worked at the University of Wisconsin-Madison, attaining the rank of Associate Professor of Medical Physics, with tenure, in 1982. He spent a year on sabbatical leave as a chemist at Argonne National Laboratory in 1984. In 1985, he moved to the University of Chicago as tenured Associate Professor of Radiology, remaining there until 1989.

When Gatley joined BNL's Chemistry Department in April 1989, the Positron Emission Tomography (PET) Group had just begun studies of the dopamine transporter using carbon-11-labeled cocaine. His contributions in designing experiments allowed sensitive observations to be made.

After being given a continuing appointment to BNL's scientific staff in 1992, Gatley was awarded DOE funding to continue with dopamine-transporter studies related to DOE's molecular nuclear medicine initiative. Two years later, he transferred to the Medical Department to set up a radiotracer-development component of the single photon emission tomography, or SPECT, effort.

Working with University of Connecticut researchers, he developed a radioactive compound that binds to brain receptors for marijuana. Using this compound in conjunction with the SPECT technique, he was able to obtain the first in vivo images showing where marijuana goes in the brain.

This achievement is of practical importance since marijuana is the most widely used illegal drug, and, although 9 percent of marijuana users meet criteria for substance dependence, there is almost no information on the mechanisms of marijuana, or drugs like it, within the brain.

In addition, the active ingredient of marijuana, called THC, is legally used as an appetite stimulant for AIDS patients and to relieve nausea caused by some cancer therapies. Some anecdotal evidence suggests that it may be helpful in stopping the progression of multiple sclerosis and glaucoma.

The aim of the SPECT research is to develop drugs that retain the beneficial medical effects of marijuana while avoiding the mind-altering side effects. These investigations can also give insights into normal brain function and how chronic use of marijuana can affect the function of the brain.

The purpose of the mathematical model that Gatley had devised of cocaine's actions within the brain is to help develop drugs to alleviate the cravings of cocaine abusers. Much research in this area has focused on drugs that would be equivalent to methadone for the treatment of heroin abusers. Gatley's model predicts that a methadone-like pharmacotherapy for cocaine would not, in fact, diminish craving, but might actually exacerbate cocaine addiction. This may explain why many clinical trials of candidate drugs for cocaine addiction have failed to reduce cocaine consumption.

In another area of interest, Gatley has served since 1996 as the Medical Department Liaison Scientist for National Aeronautics and Space Administration investigators working on experiments conducted at BNL's Alternating Gradient Synchrotron to determine the effects of cosmic radiation on astronauts. This research will help scientists understand what kind of radiation shielding is needed for future space missions.

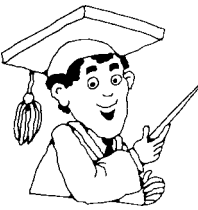
1999 BSA Scholarship Alert

Applications for the 1999 BSA Scholarships can now be obtained from the Office of Scientific Personnel, Bldg. 185A. The application deadline is November 14.

Children of regular employees of BNL are eligible to compete for up to 13 BSA scholarships, each for \$2,500 per year renewable for up to four years of study toward an academic degree.

In addition, up to two scholarships may be awarded to BNL employees' children who are Black, Hispanic or Native American. If there are no awards to under-represented minority students, then the remaining scholarships will be awarded to non-minority students.

Applicants must be secondary school seniors who will be graduating



during the current academic year and entering college by fall 1999.

In addition, qualified applicants must be: children of BNL employees who began regular, full-time or regular, eligible part-time employment no later than November 14 of this year and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Laboratory. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the past two years before making the application.

For more information, contact the Office of Scientific Personnel, Ext. 3336.

BNL's Sixth Annual Healthfest –  
A Week of Health, Fitness, Safety

Again in October 1998, BNL employees and retirees are again invited to participate in Healthfest — the Lab's sixth annual celebration of personal health, fitness and safety. This year, Healthfest is scheduled to run from Monday, October 12, through Friday, October 16.

The five-day festival has the following schedule of activities:

Monday, October 12

- **Aerobic Stretch:** 11:45 a.m. - 12:05 p.m., rain or shine, at the Science Education Center, Bldg. 438.
- **2-mile Fitness Walk:** 12:10 - 1 p.m., rain or shine, start at the Science Education Center, Bldg. 438.

Tuesday, October 13

- **5-kilometer (3.1-mile) Fitness Run:** 12:10 - 1 p.m., rain or shine, start at the Biology Department, Bldg. 463.

Wednesday, October 14

- **Health, Fitness & Safety Fair:** 11 a.m. - 2 p.m., at Berkner Hall, Bldg. 488, featuring displays, screenings, demonstrations, and free door prizes and healthy refreshments.
- **Stress Management and Relaxation Techniques Workshop:** noon - 1 p.m., in Berkner Hall auditorium, Bldg. 488.

Thursday, October 15

- **Health, Fitness & Safety Fair:** 11 a.m. - 2 p.m., at Berkner Hall, Bldg. 488.
- **Reiki Healing Circle:** noon - 1 p.m., in Berkner Hall auditorium, Bldg. 488.

Friday, October 16

- **Tennis Skills & Play Workshop:** 11:30 a.m. - 1:30 p.m., at the tennis courts.

For more information and to sign up for the stretch, walk, run, health screenings, stress-management workshop, Reiki circle and/or tennis workshop, look for the flyer sent to all employees or see next week's Bulletin.

tion on astronauts. This research will help scientists understand what kind of radiation shielding is needed for future space missions.

In addition to his own research, Gatley performs pharmacological studies and binding assays, and he calculates dosimetry to support radiotracer development for other research in the PET group. For six years, he served as Chair of the Lab's Radioactive Drug Research Committee, responsible for overseeing and monitoring the use of radioactive drugs at BNL.

As a member of the U.S. Pharmacopoeial Convention Advisory Panel on Radiopharmaceuticals, 1989-97, Gatley prepared a number of monographs on widely used radiopharmaceuticals. He also served from 1993 to 1997 in the biochemistry study section for the National Institutes on Drug Abuse.

— Liz Seubert

Arrivals & Departures

Arrivals

Sheikh M. Farooq ..... RHIC

Departures

Kathleen D. Blackett ..... Physics

Anthony L. Graves ..... Comm. Rel.

Michael J. Syphers ..... AGS

Jiri Koutnik ..... Biology

Register for 10/8 & 9  
Pine Barrens Forum

Register now for the Pine Barrens Research Forum, again to be held on site, on October 8 and 9, and sponsored by BNL, the Central Pine Barrens Commission and the Long Island Groundwater Research Institute.

The first day features a conference, while, on the second day, a field trip will be offered. This year, the conference's emphasis will be on the Pine Barrens' history and importance to the culture of Long Island.

Registration is free and open to all. Call Jan Naidu, Ext. 4263, to sign up.

Main Gate Construction

Construction at the main gate to build a truck-inspection station will start on Wednesday, September 30, and continue for approximately two months. During this time, there may be times when traffic will be restricted from one of the lanes, but all attempts will be made to do this only during off-peak hours. Throughout the construction, drivers are asked to exercise special caution when entering and exiting the main gate.



technical design that preceded the 1990 start of magnet construction. Also, the RHIC Project Director mentioned the others whose leadership had brought magnet production to its successful completion within two weeks of the schedule that had been set three years earlier.

"It's important to do for science and important to do for this Laboratory," she stated. The task for the future, she continued, will be to make RHIC a successful user-facility for visiting researchers, in the tradition of BNL's being a user-friendly Laboratory.

Marburger also extended thanks to former BNL Director Nicholas Samios for his part in initiating and sustaining RHIC through the years.

In a flashback to 1990, BNL Deputy Director for Science & Technology Peter Paul reminisced about the day when a key decision on RHIC was signed by DOE so magnet production could begin.

As a nuclear physicist, Paul said, the present event held special importance for him because it is another step toward the completion of RHIC and the beginning of the world-class high-energy nuclear-physics program to come.

As Ozaki summed up, the next milestone will be to complete the mechanical assembly of the RHIC ring in December 1998. Tests of subsystems begin in January 1999, and injection of the gold beam will occur in March. Detector installation is planned for April and May, leading to RHIC's first run in June or July. — Liz Seubert

- Magnet units, either assembled in or delivered to Bldg. 902: 1,740 + spares = 1,805.
- Total length of superconducting wires used in these magnets: 21 million meters (70 million feet), or 25 round-trips to the moon.
- Total cost of the magnet production: \$165 million.
- Total technician hours used for manufacturing: 929,500 tech-hours, made up of 727,500 hours at BNL, 170,000 hours at Northrop Grumman Corporation, and 32,000 hours at Everson Electric Company.

## A photograph of a large tree trunk with a significant portion of its bark missing, revealing the lighter-colored wood underneath. A person is standing next to the tree for scale.

Within a grove of white pine trees nearly 75 feet away from a firebreak in the far northeastern corner of the Lab, a lone charred white pine has snapped about three-quarters of the way up from its base.

Before a mid-June summer storm, this 20-inch-in-diameter tree stood 70 feet tall — until lightning struck.

"On Thursday, June 25, this tree was standing tall, but, around 5 p.m. on Friday, June 26, it was broken in two," said Tom Muller (pictured above), a project engineer in the RHIC Project, who found the tree while he was jogging through the woods the following Monday.

Observing trees is more than a hobby for Muller: specializing in cedars, firs, spruces — and white pines — he has been cultivating trees on his Manorville farm for the last 20 years.

According to the on-site Upton Forecast Office of the National Weather Service, the last week of June was very active as far as thunderstorms and lightning were concerned. "There was an awful lot of lightning that particular week," recalled Mike Wyllie, who is that forecast office's Meteorologist-in-Charge.

Muller said, "It's the most spectacular lightning hit that I've ever seen." He found the strike especially interesting because, although lightning usually strikes the highest object, this tree was not the tallest in the grove. Muller also was fascinated by the strike because not a leaf or a needle of any other tree around was damaged.

Gary Conte of the Upton Forecast Office explained that lightning, which is essentially a giant spark, results from the buildup and discharge of electrical energy between positively and negatively charged areas. Most lightning occurs within clouds or between a cloud and the ground.

Since, according to Muller, the roots of white pines go all the way down to a water table, lightning was conducted into the ground by way of this tree. The lightning strike then must have caused the sap within this pine to boil to a frenzy, releasing gases causing the mini-explosion that rendered the tree in half and sent shreds of bark flying up to 32 feet from the base of the tree.

The Photography & Graphic Arts (P&GA) Group of the Information Services Division offers document-imaging services to the Lab community.

Using a high-speed scanner, and optical character-recognition, text-search and hyperlink software, P&GA can provide indexed, searchable images of documents, which have quality that is better than or equal to the originals.

For quick and easy access, these documents can then be archived electronically. Then, using keywords, the documents can be easily and quickly searched for, retrieved in full text, copied, and printed.

By converting documents from paper to Adobe's Portable Document Format (PDF), they can be viewed on different computer platforms and accessed via the Internet.

To reduce in-office filing and storage, paper originals can be stored in BNL's Records Holding Area, which provides safe, efficient long-term storage.

For more information about document-imaging services, call Rick Backofen, Ext. 6183.

For more information about document storage in the Records Holding Area, call Corene Wood, Ext. 5070.

All employees and Lab guests who have not already done so must register the private motor vehicles that they use on site or renew their registration with BNL's Police Group of the Safeguards & Security Division (S&SD).

Registration is mandatory, and vehicle stickers must be affixed to the windshield side of the vehicle's rear-view mirror, so that it is visible from the front of the vehicle. Up-to-date registration of all vehicles used on site expedites the traffic flow at Lab gates and provides proof of authorized use on site.

To obtain a current registration sticker, come to S&SD's Personnel & Information Security Office in the Brookhaven Center, Bldg. 30, weekdays during usual business hours. For more information, call Hank Raimondo, Ext. 7258.

Transcat, a distributor that specializes in test, measurement, and control and calibration instruments, will display its products in Berkner Hall, 10 a.m.-2 p.m., on Thursday, October 1.

In addition, Transcat provides calibration and repair services in its ISO-9002 registered labs. At 13 locations, Transcat also provides ANSI traceable calibrations on new instruments and recalibration on personally owned instruments.

Call Steven Valdez, 1-800-828-1470, Ext. 9425, for more information.

On Friday, October 2, 10 a.m.-2 p.m., in the parking lot of Berkner Hall, AMCO will park its equipped mobile showroom of electronic packaging, in which data cabinets, monitoring consoles, desks and bench-top cabinets and shielded cabinets will be on display. For more information, call Brian McMahon, (973) 575-9300.

The Occupational Medicine Clinic (OMC) has begun offering free flu shots to Lab employees, to precede the winter influenza season.

For more information about flu shots or to make an appointment to be vaccinated, call OMC, Ext. 3670.

## Red and Green League - 9/8

R. Mulderig Jr. 278/269/738 scratch series, E. Larsen 257/217/672 scratch, M. Meier 245/217/215/677 scratch, R. Deam 234/209/200/643 scratch, J. Mayeski 215/208, K. Koebel 265/607 scratch, K. Asselta 223, R. Mulderig, Sr. 223/602 scratch, J. Griffin 220, B. Miltenberger 209, J. Giuffre 200.

## Red and Green League - 9/15

R. Mulderig Sr. 265/209/204/678 scratch, M. Meier 244/237/213/694 scratch, R. Mulderig, Jr. 217/214/202/633 scratch, K. Asselta 215/213/201/629 scratch, E. Larsen 247/234/665 scratch, R. Deam 244/225/665 scratch, G. Mack 244/215/646 scratch, J. Griffin 247/625 scratch, H. Dawson 209, K. Riker 209, R. Raynis 206, E. Sperry III 205, G. Miltenberger 204, J. Sullivan 204, S. Waski 200.

### Purple and White League - 9/10

D. Riley 218/189, S. Logan 217/196, D. Keating 201/191, B. Tozzie 269, B. Mullany 234, M. Guacci 232, G. Mehl 223, M. Meier 210, T. Mehl 203, T. Dilgen 197, J. McCarthy 196, C. Johnson 195, G. Van Sickle 195, C. Holstrom 189, J. Addressi 188, J. Holstrom 181, C. Van Sickle 171.

### Purple and White League - 9/17

G. Mehl 1818/191/192/600 scratch series,  
G. Van Sickle 223/182, B. Mullany 216/183,  
J. Zebuda 206, C. Holstrom 205, D. Riley  
201, M. Guacci 198, D. Keating 195, J.  
Holstrom 191, R. Picinich 188, L. Simes  
187, M. Picinich 186, E. Zukowski 171.

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# Hospitality Committee: BBQ 5:30 Tonight

The Hospitality Committee reminds on-site residents and their friends that its bring-your-own BBQ will be held after work today, Friday, September 25, at 5:30 p.m. in the covered barbecue area near the apartments.

The committee will provide charcoal and drinks. Barbecue participants are asked to bring their own food to barbecue and utensils — plus a favorite dish to share.

For more information on this and other Hospitality Committee events, call Julie Kim-Zajonz, 929-0405, or look for the postings in the laundry, on the door of the Recreation Building or on the back of the Lollipop House.

# Good News for TFCU

On August 7th, President Bill Clinton signed into law the Credit Union Membership Access Act (H.R. 1151), thereby ensuring that credit unions, such as the Teachers Federal Credit Union (TFCU), which has an on-site branch, can continue to offer the services that they have provided in the past.

The new law permits credit unions such as TFCU to add employer groups to its list of those currently eligible for membership.

As a result, despite the change in the Lab's operating contractor, all BNL employees will be able to join the TFCU if they wish.

# Cashier Closed 10/1 & 2

On Thursday and Friday, October 1 & 2, IPAP and JCARS will be unavailable.

In addition, the cashier's office will be closed, also due to year-end closing.

These services will resume operations on Monday, October 5.



## 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 complete list of all job openings; use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

*The following vacancies are exempt from the Director's hiring freeze.*

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees.

DD3577. ACCOUNTING POSITION - Requires a bachelor's degree in accounting, finance, or business administration, professional accounting experience, and knowledge of generally accepted accounting principles (GAAP). Experience in accounts receivable and collections is highly desirable, as is knowledge of spreadsheet program (Lotus/Excel), proficiency with personal computers, extensive experience with computerized business systems and processes, and proven analytical skills. Under general supervision, duties will include: analyzing complex accounting transactions, schedules and statement; assisting in special studies and projects as requested; preparing financial reports; and maintaining and controlling routine accounting records, as well as performing routine clerical office functions. Financial Services Division.

# Halloween Madness: BERA's Costume Party

Ghosts, witches, pumpkins and a whole lot of ghoulish fun lies in wait for everyone who flies in on their broomstick to BERA's first annual Halloween Madness Costume Party, to be held on Friday, October 30, 6-11 p.m., at the Brookhaven Center. Admission is \$5, and there will be music by E.T., door prizes, and prizes for the best costumes. A cash bar and refreshments will be available.

# Pool Schedule

The new, three-month schedule at the swimming pool will begin on Thursday, October 1, and will end on Thursday, December 31. Purchase tickets at the pool during open hours:

## Open Hours

- **Monday through Friday**  
11 a.m. - 1:30 p.m. employees only  
1:30 - 2 p.m. speed swimming/training  
5 - 8:30 p.m. employees, families, guests\*

- **Saturday**

- 1 - 5 p.m. employees, families, guests\*  
*The pool is closed on Sundays and all Lab holidays.*

## Fee Schedule

- **Daily Admissions**  
employee/family member \$2.00  
guest \$3.00
- **Season Tickets** (fees not prorated)  
individual \$42.00  
family \$53.00

*\***Guest ruling:** One guest per employee is permitted without prior arrangement. Advance arrangements for additional guests, up to five per employee at one time, must be made at the Recreation Office, Human Resources Division, Bldg. 185. When such an arrangement is made, an admission card is issued stating the employee's life number, the number of guests permitted, the date of the visit, and the facility to be visited. Guests must be accompanied by the sponsoring employee, who will be requested to show the admission card at the main gate and at the swimming pool desk.*

# Phys. Rev. Archive

The American Physical Society recently established its *Physical Review (Phys. Rev.) Online Archive* (PROLA), at <http://prola.aps.org>.

Most of the collection of about 1,700 articles from *Phys. Rev.* 1985-1996 consists of scanned images of the printed journals, either as GIF images or PDF files.

These images may be browsed and searched through freely until January 1, 1999, when PROLA will become a subscription product.

During the free period, PROLA will be continually improved with reference lists and hyperlinks among articles. The search engine still has some problems: searching by exact phrase is slow, but Boolean searches are readily accomplished.

Users of this archive are asked to be sure to look carefully over the terms and conditions of using PROLA, particularly those relating to copyright.

# Computer Training

The following classes will be offered by the Computing & Communications Division (CCD) in October:

Date	Class
10/5	EXCEL, beginner
10/8 & 9	ACCESS, beginner
10/13-15	Visual Basic programming
10/21	PowerPoint, beginner
10/22	EXCEL, intermediate
10/26	Windows 95, basic
10/27	Word, beginner

To register or to view the catalog of available courses, contact your training coordinator.

To register interest in a course, submit a completed training request form to Pam Mansfield, Bldg. 515.

All classes are scheduled based on the number of requests received. For more information, contact Mansfield at Ext. 7286, or e-mail [pam@bnl.gov](mailto:pam@bnl.gov).

# Coming Up

The sonatas of Johannes Brahms will be featured in the first concert of the 1998-99 BERA concert series, on Wednesday, October 7, at 8 p.m. in Berkner Hall.

Three sonatas will be performed by violinist David Ling and pianist Kathleen Boyd, who are both doctoral students in the Music Department at the State University of New York at Stony Brook. No reservations are necessary. The concert is free, but donations will be gratefully accepted.

# IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, September 28, at 6 p.m., in the Knights of Columbus Hall, Railroad Avenue, Patchogue. There will be a meeting for shift workers at 3 p.m. at the union office. The agenda includes regular business, committee reports, the president's report, and a vote will be taken on the proposed medical plan changes.

# Cell Phone Service

On Monday, September 28, from 10 a.m. to 2 p.m. in Berkner Hall, CTP Wireless World will discuss the special AT&T Wireless Services corporate cellular rate it is offering to BNL employees, with airtime rates of 20 cents per minute and a monthly access charge of \$19.99. This includes: 40 minutes of airtime and 20 percent off airtime charges; free digital features such as caller ID; voice mail with notification, numeric paging and self-dispatch alphanumeric messaging; and a choice among four free digital phones.

For more information, call Michael Weisinger or Dennis Lamm, 585-2900.