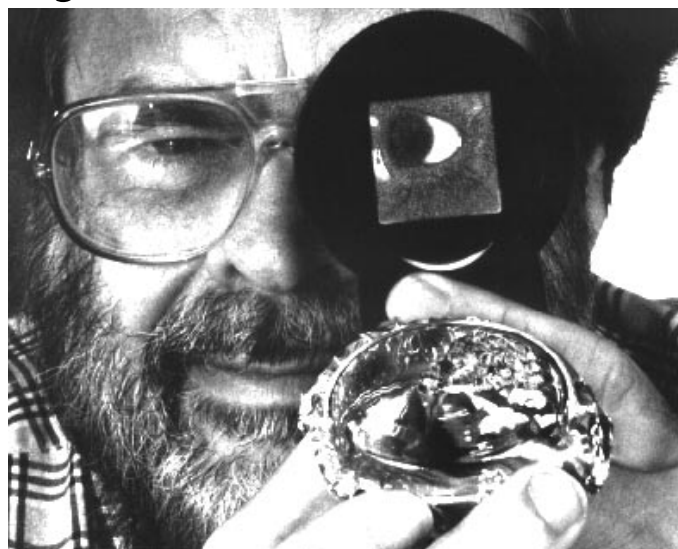


Signs of Life on Mars? NSLS to Study It!



Remember the Mars meteorite that caused all the fuss last spring because scientists thought it might show signs of tiny, ancient Martian life? Well, a piece of that famous rock recently made its way to BNL, where Physicist George Flynn of the State University of New York (SUNY) at Plattsburgh is helping to check

out those claims. Flynn is shown here taking a preliminary look at his thumb-size chunk of the meteorite that NASA calls ALH84001. Of course, the study is being done not with a magnifying glass, but with powerful x-rays and infrared light at beam lines X1A and X26C of the National Synchrotron Light Source (NSLS). By aiming the x-rays or infrared light at pieces of the meteorite and measuring how it absorbs the light, Flynn is looking for signs of the organic molecules that NASA scientists say could show that microscopic life existed on the red planet millions of years ago. The NSLS light beams and equipment built by SUNY Stony Brook, BNL and Northrop Grumman will give Flynn 1,000 times better detail than the method used by the NASA scientists. His research is one project of dozens in the U.S. aimed at examining this meteorite.

— Kara Villamil

Haworth Distinguished Scientist Lecture

Phenomena of Strong Interactions

One of high-energy physics' most recognized theorists, Frank Wilczek of the School of Natural Sciences of the Institute for Advanced Study, Princeton, New Jersey, will be at BNL Monday through Friday, November 10-14, for his third and final annual visit as the Lab's present Haworth Distinguished Scientist.

In addition to his work in high-energy physics, Wilczek's interests range from cosmology to condensed-matter physics, encompassing the properties of matter at high temperatures and including quark-gluon plasma. This state of matter, thought to have existed shortly after the Big Bang, is predicted for the high-speed collisions of heavy-ion nuclei at BNL's Relativistic Heavy Ion Collider (RHIC).

In fact, the investigations of quark-gluon plasma to be done at RHIC are based on Wilczek's theories of the strong interaction between quarks and involving gluons. "There are very good reasons to believe that the correct theory of the strong interaction is quantum chromodynamics [QCD]," notes Wilczek.

To discuss his insights into strong-interaction phenomena occurring under certain transitional conditions, Wilczek will speak on "The Phases of QCD" in a Lab-wide lecture during his visit. The lecture will be given on Thursday, November 13, at 4 p.m. in Berkner Hall; it will be preceded in the lobby by coffee and cookies at 3:30 p.m. and followed by refreshments at 5:15 p.m.

As Wilczek will explain, the massless quarks and gluons, known to physicists as "fundamental degrees of freedom" in QCD theory, bear little resemblance to the spectrum of physical particles that scientists have already observed.

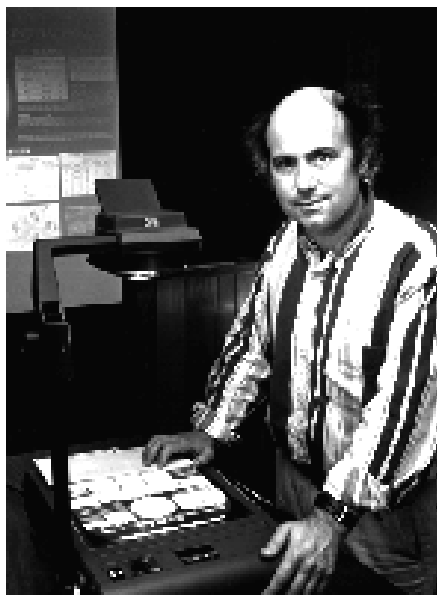
However, he believes that these fundamental degrees of freedom might become more obvious under suitable conditions, perhaps after what is known as a phase transition. Phase transitions occur when matter changes state, such as when water is heated enough to boil, and, thus, becomes steam.

According to Wilczek, the phase transitions that could lead to more information on fundamental degrees of freedom are predicted to happen at high temperature. Other remarkable phenomena, including spontaneous breakdown of the quark characteristic of color symmetry, are predicted for matter at high density or pressure. Wilczek will discuss how these predictions are made and how they might be checked.

Wilczek received his 1970 B.A. in mathematics from the University of Chicago, and his 1972 M.A. in mathematics and 1974 Ph.D. in physics from Princeton University. Remaining at Princeton until 1981, he then moved to the University of California, Santa Barbara, as a professor at the Institute for Theoretical Physics until 1988.

During this time, he spent five years as a fellow of the John and Catherine MacArthur Foundation and two summers as a regent's fellow of the Smithsonian Astrophysical Observatory. In 1989, he joined Princeton's Institute for Advanced Study in his current position as a professor.

Wilczek's first BNL connection was his 1978-86 appointment to the Lab's High



Frank Wilczek

BNL Contract-Selection Process Requires Notice to Congress

In an e-mail to all employees on Wednesday, November 5, Dean Helms, Executive Manager of the U.S. Department of Energy's (DOE) on-site Brookhaven Group, noted the following:

"According to language in the 1998 Appropriations Act, the [U.S.] Secretary of Energy must notify Congress 60 days before the award of any contract, amendment or modification which requires a waiver from the federal government's competitive procedures.

"Because the procurement process for a management contractor at BNL is limited to not-for-profit organizations, Secretary of Energy Federico Peña sent a letter [today] notifying Congress about the status of the BNL contractor selection process.

"The letter in its entirety is [reprinted] below. [DOE] will work with Congress to minimize any adverse impacts of this requirement on the contractor selection process and the day-to-day operations of [BNL]."

Helms added: "I reassure you that the selection of a contractor to operate BNL remains a high priority. I would also like to assure you that this will not interfere with the Department's commitment to all our stakeholders for operational improvements, increased stewardship of the environment and increased community involvement in Laboratory activities. I will keep you informed of further developments."

The Honorable Joseph M. McDade

Chairman

Subcommittee on Energy and Water Development

Committee on Appropriations

United States House of Representatives

Washington, D.C. 20515-3810

Dear Mr. Chairman:

Section 301(a) of the recently enacted Energy and Water Development Appropriations Act, 1998 (Pub. Law 105-62) prohibits the use of certain appropriations to award a management and operating contract unless such contract is awarded using "competitive procedures" or the Secretary of Energy grants a "waiver" to the restriction. Section 301(b) requires that the Secretary provide a report notifying the Subcommittees on Energy and Water Development, of the Committees on Appropriations of the House of Representatives and the Senate, of the "waiver" at latest 60 days before contract award. The purpose of this letter is to provide such notice in anticipation of the award of a contract for the management and operation of the Brookhaven National Laboratory (BNL), a federally funded research and development center (FFRDC).

On May 2, 1997, DOE terminated for the Government's convenience its contract with Associated Universities, Inc., for the management and operation of BNL. The termination will be effective when a new contractor is selected and is in a position to assume full responsibility for the contract work. A succeeding contractor will be selected as the result of a competitive procurement process which has been formally underway since July 18, 1997, when DOE issued public notice of the availability of its solicitation for offers in the Commerce Business Daily (CBD).

Prior to the issuance of the public notice, I directed that prospective sources be limited to nonprofit organizations. The decision was made pursuant to the authority contained at 41 U.S.C. Section 253(c)(3)(B) which permits the use of "other than competitive procedures" when it is necessary to award a contract to a source or sources in order to maintain an essential research capability to be provided by a nonprofit institution or a FFRDC. Except for the restriction to nonprofit organizations, the procurement is in full compliance with applicable statutory and regulatory requirements for the conduct of competitive procurements. My decision to limit the competition to nonprofit institutions was based on the judgment that a nonprofit research organization could best accomplish the basic research missions of BNL. Specifically a nonprofit organization would be more likely to create and maintain effective partnering with the academic research community which BNL supports and to pursue excellent scientific research with public service as an end in itself. The Department was further of the opinion that a nonprofit research organization was less likely to promote financially attractive research over basic science and would present less risk of organizational conflicts of interest in the pursuit of research objectives. Because of the high priority infrastructure management concerns, however, the Department has nonetheless encouraged potential offerors to consider "teaming arrangements," which could include profit-making entities as major subcontractors, to ensure balanced attention to the conduct of operations, including environment, safety and health management. Public notification of our intent to limit competition to nonprofits was provided in the July 18, 1997 CBD announcement, prior to enactment of the Appropriations Act.

The current status of the procurement is that proposals have been received from eligible offerors and negotiations are in progress. It is likely that, but for the notice requirements of the Appropriations Act, the scheduled award date of mid-November 1997 could be met. The Department has expedited this procurement as we believe that it is in the best interests of the [L]aboratory, as well as the surrounding community, to provide long term, stable management as soon as possible.

If you have any questions on this matter or require additional information, please contact Mr. John C. Angell, Assistant Secretary for Congressional and Intergovernmental Affairs, on 202-586-5450.

Sincerely,
Federico Peña

(continued on page 2)

BNL's Science Museum Reopens in Building 935 in Time for 1997-98 Year of Science-Is-Fun Tours

A very nontraditional ribbon-cutting ceremony marked the October 16th reopening of BNL's Science Museum. Blunt scissors safely in hand, 90 second-graders from Nokomis Elementary School in the Sachem School District, along with their principal and superintendent, snipped their way through the red, green and blue crepe-paper streamers that hung in Bldg. 935's doorway.

Spontaneously, "The kids all cut off the ribbon right above their heads, so anyone under four feet had no problem walking in right under the ribbon," says Museum Programs Supervisor Janet Tempel, Public Affairs Office. "It was a fun beginning."

Formerly housed in Bldg. 701, the Brookhaven Graphite Research Research

tor (BGRR) hall, the Science Museum had closed its doors to visitors in June, so the relocation to the newer building could begin (see Brookhaven Bulletin of June 20, 1997).

The move to Bldg. 935 took place so that the Science Museum could be handicapped-accessible and equipped with laboratories for the comfort of all its visitors. In addition, the ground beneath the old museum is now being remediated as part of the Superfund cleanup of the Lab, to remove contamination that resulted from the BGRR's operations in the 1950s and '60s.

"While the new museum can't replace the experience of walking up, over and down what used to be a research reactor, it will serve our teaching needs for the time being," says

Tempel. Working with her are Museum Programs Assistant Supervisor Eloise Gmur and staffers: Gail Donoghue, Ruth Fernow, Elaine Lowenstein, Dolores O'Connor, Carol Otto-Tvelia and Susan Sears.

The relocated museum reopened in Bldg. 935, after four months of hard work to transform the 6,000-square-foot, drab, industrial-looking metal building from a magnet manufacturing facility for the Relativistic Heavy Ion Collider Project (RHIC) to an inviting "science-is-fun" learning center loaded with educational exhibits and decorated in bright primary colors.

Tempel thanks the RHIC Project for making the space available, and the Plant Engineering (PE) Division for redesigning the space and overseeing the contract workers who transformed it. For doing all else that needed to be done, she gives credit to PE's electricians, fire-alarm services, grounds crew, cabinetmakers, painters, riggers and sign shop, as well as the Lab's traffic safety committee.

"All those people are too numerous to name, but, without their working their own magic and doing it at the speed of light during the last three days, the museum couldn't have opened on time as it did," reports Tempel. "My thanks to you all."

Meanwhile, Tempel's staff of seven part-timers was responsible for consolidating 22,000 square feet of exhibits into 6,000. As a result, 50 exhibits on the Lab's history and research had to be left behind in Bldg. 701, in storage until larger museum space becomes available. Along with many exhibits on BNL's research, the entire Camp Upton historical collection is mothballed for the duration.

While looking for an old barracks building to display it in, "The Camp Upton collection will be maintained and we will still accept contributions of World War I and II memorabilia from on and off site," says Tempel.

Two Bookings a Day

Due to the reduction in museum space, only two bookings per day for museum tours are being taken, one for a 9:30 a.m. appointment and the other for 11:30 a.m. According to Tempel, almost all the appointments have been booked by school classes through the end of the school year in June. Last school year, some 6,114 chil-



Museum Programs Supervisor Janet Tempel (left) and Leland Willis of Associated Universities, Inc., have fun at the ribbon-cutting ceremony officially opening BNL's relocated Science Museum. — Photos in this issue by Roger Stoutenburgh

dren in grades 1-3 embarked on the "Discovery Tours" through the Bldg. 701 Science Museum, learning about magnets, microscopes and more. Some 5,592 fourth-through-sixth graders sleuthed through the museum on "Investigations in Science" tours, during which they discovered static and current electricity, and parallel and series circuits.

What's more, 1,029 kids in grades 7-12 took the museum tour, to be introduced to various scientific principles.

In all, 200 schools within 60 school districts in Suffolk and Nassau Counties brought their schoolchildren to Brookhaven last year, to gain the information firsthand from a Science Museum tour.

In addition, some of the 1,013 under-

graduates, graduate students and professionals who had taken tours of Lab facilities that were tailored to their interests also toured the museum.

For those schools that couldn't bring their kids to the museum, the Museum Programs staff brought science into 30 public libraries in Suffolk County through the "Discovery to Go" outreach effort. Last year, the program introduced simple science, such as sound and light, to 1,025 children K-3.

However, because the new museum was in the works, the 2,342 adults and their children who attended BNL's annual Summer Sunday tours this July and August were treated instead to the popular "Whiz Bang Science Show" four times each of the eight Sundays, in addition to guided bus tours of the site and a variety of exhibits in Berkner Hall.

Contest, Contest, Contest

While the museum is the centerpiece of Public Affairs's Museum Programs, Tempel and her staff also organize many other educational efforts benefiting Long Island schoolchildren, their parents, teachers and other interested adults.

For instance, in February last school year, 269 high schoolers and another 281 visitors attended the 17th-annual BNL Model Bridge Building Contest.

For this regional competition, stu-

dents in grades 10-12 are asked to build a bridge to specification using lightweight basswood; the bridges are then tested at BNL to determine the one that has the best strength-to-mass ratio.

Then, last April, another 300 schoolchildren participated in the annual Mag-Lev Contest. Funded by the Lab's Office of Educational Programs (OEP), this competition requires 7th and 8th graders to build magnet cars that are then raced as they are magnetically levitated on a track.

Finally, in May, 760 students, accompanied by 1,240 visitors, competed with 490 projects in the 12th-annual Elementary School Science Fair. Also funded by OEP, the fair is open to Suffolk County students grades K-6 whose projects have already won their schools' science fairs, so the best in Suffolk many be selected.

In addition, nearly 150 Long Island educators and museum curators from around the metropolitan area attended seminars offered by Museum Programs, on such subjects as basswood bridge engineering and interactive science displays, respectively.

All in all, out of over 24,000 visitors sponsored by the Museum Programs, nearly 16,000 students grades K-12 took part in one of Tempel and her staffers' offerings.

Over the years, "Our museum pro-



At the Lab's 50th-Anniversary Community Open House organized this June by the Museum Programs, BNL Interim Director Peter Bond (left) presents a \$50 bond to West Islip high schooler Jennifer Vento, for her initiative in drawing a poster (center) to explain the water-cycle demonstration given by Jan Naidu (center) of the Safety & Environmental Protection Division during Summer Sundays and other events. In the background is more of Vento's artwork.

grams have brought the wonder and excitement of science to over 100,000 schoolchildren and interested adults. Given the excellence of the Lab's research and its emphasis on education, I think our museum programs are a natural way for BNL to contribute to Long Island's enrichment and future," concludes Tempel. — Marsha Belford



Winners of the 1997 Mag-Lev Contest are joined by Senior Physicist Gordon Danby (fourth from left), who is one of the two inventors and patentors of the magnetic-levitation vehicle-transport concept, and by OEP Manager Karl Swyler (second from right).



Shown with the Museum Programs staff are BNL's volunteer tour guides, who show groups of undergraduates, graduate students and professionals around site and who last year included: (front row, from left) John Carter, Michiko Tanaka, Anh Pham, Ann Marie Luhrs, Museum Programs (MP) Supervisor Janet Tempel, MP's Elaine Lowenstein, Terri Kneitel, Diane Fisher, Bob Howe; (second row, from left) Vinnie LoDestro, MP's Ruth Fernow, Linda DiPierro, George Gharabeigie, Sue Monteleone, Victor Gutierrez; (third row, from left) Stu Kern, P.K. Feng, Dave Comstock, Jesse Wilkie, Joe Skelley, Tom Dickinson; (fourth row, from left) Frank Dusek, Andy Feldman, Gerhard Redelberger, Dave Rohrer; (back row, from left) Graham Smith and Gerry VanDerlaske.



Teaching second-graders from Nakomis Elementary School about sound on the opening day at BNL's Science Museum, staffer Ruth Fernow (right) is demonstrating how vibrating vocal cords allow human beings to speak.



Micaela Kuhn, a fourth-grader at the South Country School in Bay Shore, is a proud winner at the 1997 Elementary School Science Fair, held last May.



BNL volunteer judges at the 1997 Elementary School Science Fair are: (from left) Alan Kuehner, Erik Johnson, Terri Kneitel and Richard Ferrieri.

Haworth Lecturer (cont'd.)

Energy Advisory Committee. For the next two years, he served on the U.S. Department of Energy's High Energy Physics Advisory Panel.

Among his honors, Wilczek received the 1986 J.J. Sakurai Prize from the American Physical Society, and he was elected to the National Academy of Sciences in 1990 and to the American Academy of Arts & Sciences in 1993.

He won the 1994 Dirac Medal and Prize from the International Center for Theoretical Physics in Trieste, Italy, and this October was named J. Robert Oppenheimer Professor at Princeton. BNL's Haworth Distinguished Scientist appointments honor the memory of Leland Haworth, the Lab's second director. Haworth scientists reside at BNL for one to three weeks each year, for up to three consecutive years.

During this stay at BNL, Wilczek will use Room 2-47 in Bldg. 510 as his office, where he can be reached at Ext. 5089 or through Isabell Harrity, Ext. 2524.

To make arrangements for lunch or dinner with Wilczek while he is in residence, contact Laurence Trueman, Ext. 3767.

In Memoriam

The following retiree passed away recently:

Robert W. Ferguson, who had been an x-ray technician in the Medical Department, died on October 1, at the age of 75. He had started at the Lab on May 22, 1972, and retired on May 8, 1981.

Humboldt Applications Available at OSP

Research fellowships from the Alexander von Humboldt Foundation for the conduct of research in Germany are available to highly qualified scholars under 40 years of age who have a Ph.D. in any academic field, have a specific research plan and are from any country except Germany.

The fellowships provide for stays of six to 12 months and include monthly stipends, travel assistance and language courses.

Applications are available from BNL's Office of Scientific Personnel (OSP), Bldg. 185. Submitted applications are considered by the selection committee which meets three times a year.

Cut Medical, Day-Care Costs With Reimbursement Accounts

Although BNL offers comprehensive health plans, not all expenses are covered in full, such as eyeglasses, physical exams, deductibles, coinsurance and expenses above reasonable and customary limits. And, despite on-site child care, the cost of child care, or elder care, adds up.

However, Health Care and Dependent Day Care Reimbursement Accounts can help pay for these expenses through salary reduction. Employees can set aside before-tax dollars to pay for out-of-pocket health and dependent day-care expenses, so actual costs are lower because of the tax savings. Enrollment in these accounts is going on through November 26. Employees who work at least 20 hours a week may set aside from \$300 to \$2,500 in the Health Care Account and/or \$300 to \$5,000 in the Dependent Day Care Account. Reimbursements from either account are processed on the 16th of each month.

The following expenses are not eligible for reimbursement: agency fees for au-pair placements and adopting children; and registration fees paid for day care, summer camp, preschool, kindergarten, etc., unless these fees are applied toward the first tuition bill, and only if the fees are shown on the bill to be deducted from the regular tuition charge and only once that bill has been paid. The cost paid to a day-care provider for dependents' meals is a reimbursable expense, unless those meals are included as part of the cost of a field trip or other such outing.

Employees who want to sign up for 1998 must complete new forms, even if they were enrolled for 1997. For forms or more information, contact Muriel Pfeiffer, Ext. 2877. Return forms to the Human Resources Division, Bldg. 185, by November 26, for coverage effective January 1, 1998.

Holiday Notes

In observance of Veterans' Day, the Lab will be closed on Tuesday, November 11.

As a result, the following will be closed: the BERA Sales Office, on-site branch of Teachers Federal Credit Union, gym, pool, Recreation Building, on-site Omega Leisure Travel Office, Research Library and Upton branch of the U.S. Postal Service.

The Cafeteria will be open 9 a.m.-2 p.m. The Brookhaven Center Club will be closed; it will reopen on Wednesday, November 12 at 5 p.m.



Tomorrow Is Diwali, The Festival of Light!

Join the BERA Indo-American Association (IAA) tomorrow, Saturday, November 8, to celebrate Diwali, the festival of light. The function will be held 3-9 p.m. at Berkner Hall and will include a cultural program given by local performers, followed at 6:30 p.m. by an authentic Indian dinner.

Tickets for this event will cost: \$10 for adults, \$9 for IAA members and \$6 for children. If available, each door ticket will be an extra \$1 per person.

To buy tickets, contact Syed Khalid, Ext. 7496 or 744-5895; Vibha Mane, Ext. 3077 or 821-8389; Kumi Pandya, Ext. 7734 or Ext. 1021; Achyut Tope, Ext. 5672 or 345-2677.

Deadline for BB Notices

A new deadline has been set for submitting items for publication in the Brookhaven Bulletin: With the exception of notices from the Human Resources Division, all items must be received in the Bulletin Office by noon on the Friday before the week of publication. Yes, this includes *your* item!

Coming 11/20

Coming on Thursday, November 20, to a theater near you is BNL's International Festival, which will be held at 5 p.m. in Berkner Hall as part of the Lab's 50th-anniversary celebration. The festival will feature food, music, dancers, singers and other Lab employees who want to share their cultures, ethnic backgrounds and traditions. So, save the date!

Arrivals & Departures

Arrivals	
Kirsten A. Drees	.....RHIC
Iouri V. Fissiak	.....Physics
Philip J. Kennelly	.....Central Shops
John C. Mahon	.....Physics
Departures	
Herbert J. Bernstein	.....Chemistry
John J. Bland	.....Financial Services
Harriet J. Castro	.....Financial Services
Cheng-Lin Chen	.....Adv. Technology
George Gharabeigie	.....Reactor
Jean-Junior Joseph	.....Physics
Russell R. Lowell	.....AGS
Robert A. Moore	.....Financial Services
John P. Rosso	.....Reactor
Edward J. Sujeski Jr.	.....Plant Eng.
Parthasarathy Vijayaraghavan	.....DAS

Volleyball

Standings as of October 31			
League I		League III	
Bikers & Spikers	8-1	Silver Bullets	9-0
Rude Dogs	9-3	Group Sets	6-0
Set to Kill	6-6	Just 4 Fun	5-4
Scared Hitless	4-5	Upton Ups	3-3
ReTurners	0-12	Just in Time	3-6
League II		Six Samurai	
Monday Nite Live	8-1	NWO	0-3
Spiked Jello	8-1		0-9
Undecided	7-2	Open League	
Safe Sets	6-3	Spikers	7-2
Ja-About-That	4-5	Shank, Carry & Throw	5-4
Fossils	2-7	Far Side	6-6
Nuts & Bolts	1-8	Death Volley	3-6
Setups	0-9	Pass, Set & Crush	3-6

Bowling

Purple & White League	
10/16: R. Eggert 236/215/615 scratch series, B. Tozzie 235/215/616 scratch, Don King 225/213, E. Sperry IV 215/200, Doug Fisher 210/204/606 scratch, B. Mullany 189/185, T. Dilgen 199/183, R. Raynys 289, C. Johnson 227, J. Zebuda 225, P. Wynkoop 207, M. DiMautia 206, C. McNulty 203, E. Meier 202, D. Keating 197, J. McCaffrey 190, K. Dilgen 189, J. Gormley 183, L. Simes 172.	
Red & Green League	
10/21: R. Mulderig Sr. 288/223/697 scratch, M. Meier 214/213/204/631 scratch, R. Raynys 225/222/605 scratch, R. Eggert 257/618 scratch, L. Mulderig 246, R. Larsen 224/610 scratch, F. Wahlert 214, H. Arnesen 206, G. Milltenberger 202, K. Asselta 201, W. Powell 201.	

Classified Advertisements

Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status.

Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a 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>.

SCIENTIFIC RECRUITMENT - Doctorate usually required. Candidates may apply directly to the department representative named.

SCIENTIST - Trained in experimental nuclear or high-energy physics, to work on the PHENIX project in prototyping, constructing, testing, installing and operating pixel pad chambers as part of the PHENIX central tracking system, and, subsequently, to participate in the operation and research program of PHENIX. Significant hardware experience, both mechanical and electronic, in building and testing particle detectors is required. Experience in supervising teams of scientists, engineers and technicians and in dealing with vendors of detector components is preferred. Contact: Samuel Aronson, Physics Department.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

DD4776. OFFICE SERVICES POSITION - (term appointment) - Requires an AAS or equivalent experience. Duties include microfilming mechanical and electrical drawings, distributing prints to engineers and designers, filing aperture cards, running blueprints, making prints from aperture cards, maintaining design-room monthly hour report and mechanical drawing database, performing some general office duties, entering timecard data entry, filing, and doing monthly report distributions. Alternating Gradient Synchrotron Department.

DD3145. CLERICAL POSITION - (term appointment) Requires an AAS or equivalent experience, knowledge of Lab procedures such as IPAP, and experience with MS Word and Excel. Will provide general clerical support to the PHENIX project office. Duties will include but will not be limited to performing IPAP work-copy data entry, arranging travel, distributing internal mail and providing administrative support. RHIC Project.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

DD5031. TECHNICAL POSITION - Requires an AAS in a relevant field or equivalent experience, DOE radiological-control technician qualification or NRRPT registration, and significant health-physics experience. Responsibilities include performing radiation-protection activities such as job coverage and contamination- and exposure-rate surveys, plus surveys of transport vehicles. Additional duties include performing industrial-hygiene and industrial-safety reviews, and monitoring Hazardous Waste Management activities. Hazwoper 40-hour training certificate desirable. Safety & Environmental Protection Division.

DD5030. TECHNICAL POSITION - Requires an AAS in relevant field or equivalent, DOE RCT qualification and Hazwoper training. Field experience in industrial hygiene and environmental-protection activities is highly desirable. Responsibilities will include routine and special radiological and industrial-hygiene surveys in accordance with applicable federal regulations and BNL/SEP/FS/ESH procedures. Additional duties include issuing of respirators and personal protective equipment, writing safety instructions, RWPs, and participating in facility safety inspections and emergency response. Safety & Environmental Protection Division.

DD3143. DESIGN POSITION - (term appointment) Requires a bachelor's degree or equivalent design experience, experience designing precision mechanical components using AutoCAD solid-modeling software, knowledge of fabrication techniques using composite materials, and the ability to work with minimum supervision. Responsibilities will include the mechanical design of a PHENIX tracking detector. RHIC Project.

NS4711. QA PROGRAMMER/ANALYST POSITION - (reposting) Requires a bachelor's degree in computer science or related discipline, or equivalent, minimum of several years' experience with formal software quality-assurance policies and procedures, and excellent communication skills. Familiarity with SQA TeamTest software is desirable; experience with HP 3000 and Windows application development, especially PeopleSoft, is a plus. Responsibilities will include ensuring a consistently high level of quality on delivered software applications through the development and implementation of test plans and cases for all BIS environments. Financial Services Division.

NS4712. PROGRAMMER/SYSTEMS ANALYST POSITION - Requires a bachelor's degree in computer science or a related discipline, or equivalent, minimum of several years' hands-on experience in the field, and a working knowledge of VisualBasic, MicroSoft Office and Windows environments. Conceptual knowledge of two-tier architecture, relational databases and PeopleSoft is a plus. Will be responsible for the implementation of PeopleSoft modules, as well as the selection and implementation of new packages. Financial Services Division.

NS4717. PROGRAMMER/ANALYST POSITION - Requires a bachelor's degree or equivalent and a minimum of five years' experience programming in the Cognos Powerhouse programming language, including Quick, Quiz and Q.P. At least two years' background in an HP 3000 M.P.E. environment and a thorough knowledge of Turbo Image, as well as the utilization of KSAM files, is required. Knowledge of OCS Librarian is a plus. Financial Services Division.

Fast-Lane DVM Service — Use It Or Lose It!

Many employees who have used the on-site pickup points for New York State Department of Motor Vehicles (DMV) to renew their driver's license, vehicle registration, or fulfill other DMV requirements have been pleased with the convenience and fast turnaround of the service.

The DVM picks up these forms on Mondays and Thursdays for processing on Long Island, so the turnaround time is 48 to 72 hours, much shorter than if they were mailed to Albany. And no postage is required!

However, this service has not been used as frequently as had been expected, and without more business, the DMV may have to discontinue their BNL pickups. So — employees must use it or lose it!

At both the on-site pickup points — in the lobby of the Human Resources Division, Bldg. 185, and at the BERA Sales Office in Berkner Hall — driver's license, vehicle registration, address change and vehicle sales tax forms issued by the DMV are available.

Then, once completed, these forms and any renewals received in the mail may be dropped off without postage to the BERA Sales Office, weekdays, 9 a.m. to 1:30 p.m. For more information, call the DMV hotline, 227-3537.

NS4718. SENIOR PROGRAMMER/ANALYST POSITION - Requires a bachelor's degree, master's preferred, in an appropriate field, experience in project planning, knowledge of process modeling, and excellent written and oral communication skills. A working knowledge is required of at least two programming languages, NT (client and server), Windows 95 and other operating systems, such as UNIX. Responsibilities will include serving as technical hands-on supervisor to head the client/server maintenance & development group. Financial Services Division.

NS3144. ENGINEERING POSITION - (term appointment) Requires a BSEE or equivalent; experience using ViewLogic software and programming Xilinx FPGAs; knowledge of PC board design, fabrication and testing methods; and familiarity with Windows NT device drivers. Will participate in the design and construction of electronic hardware to transmit data from the front end electronics to a farm of Intel or DEC Alpha processors. Responsibilities will include the design and fabrication oversight of the interface system to the PCI bus from a larger system of DSPs. RHIC Project.

