

BNL's Robert Palmer Awarded Robert Wilson Prize; First to Win Both APS Prizes for Particle Physics

Senior Physicist Robert Palmer, who is head of BNL's Center for Accelerator Physics (CAP), was awarded the 1999 Robert R. Wilson Prize by the American Physical Society (APS), for his outstanding achievement in the physics of particle accelerators.

Palmer received his award this Tuesday, March 30, and gave his Wilson Prize seminar on Wednesday, March 31, during PAC '99, the 1999 Particle Accelerator Conference being hosted by BNL in New York City from March 29 through today, April 2 (see Brookhaven Bulletin, March 5, 1999).

In addition to a \$5,000 monetary award, Palmer was presented with a citation, which reads: "For his many diverse contributions and innovations in particle accelerator and detector technologies, including superconducting magnets, longitudinal stochastic cooling, bubble chambers and neutrino beam lines, crab crossing in lepton colliders, [and] laser acceleration, and for recent leadership of the muon collider concept."

By receiving a Wilson Prize, Palmer becomes the first person to win the only two APS prizes that are awarded for achievements in particle physics. The other APS particle-physics honor garnered by Palmer was the 1993 W.H.K. Panofsky Prize, which he



Robert Palmer

shared with former Laboratory Director Nicholas Samios and retired Senior Physicist Ralph Shutt for their 1964 discovery of the omega-minus particle (see Brookhaven Bulletin,

January 8, 1993).

"I am very happy to have been able to make contributions to both particle accelerator physics and experimental particle physics," said Palmer. "So it is

extremely satisfying to have received both APS particle physics awards."

Palmer is the third Lab physicist to receive the Wilson Prize (see box, page 2). The first BNLer to win the Wilson prize: retired Senior Physicist Ernest Courant, to whom it was awarded in 1987 (see Brookhaven Bulletin, January 9, 1987). The second BNL accelerator physicist to be given a Wilson Prize was retired senior physicist John Blewett, who received it in 1993 (see Brookhaven Bulletin, May 14, 1993).

The prize was established in 1986 by the APS Division of Particles & Fields, its topical group on particle beam physics, and friends of accelerator physicist Robert Wilson, who is a former director of Fermi National Accelerator Laboratory, 1967-78.

Particle, Accelerator Physics

A respected physicist at the Lab, Palmer was involved in several major particle physics discoveries before turning his attention to accelerator physics.

Following his codiscovery of the omega-minus particle, which validated the quark model of elementary particle physics, Palmer played a part in the discovery of neutral currents, at (continued on page 2)

Ilan Ben-Zvi Wins IEEE Award in Particle Accelerator Technology

To recognize his outstanding contributions to the development of particle-accelerator technology, Senior Physicist Ilan Ben-Zvi, head of BNL's Accelerator Test Facility (ATF) and deputy head of BNL's Center for Accelerator Physics (CAP), was awarded a 1999 Particle Accelerator Science & Technology Award.

Sponsored by the Nuclear & Plasma Sciences Society (NPSS) of the Institute of Electrical & Electronics Engineers, Inc. (IEEE), the award was presented to Ben-Zvi on Tuesday, March 30, at PAC '99, the 1999 Particle Accelerator Conference hosted by BNL in New York City, March 30-April 2.

In addition to \$2,000, the award includes a plaque, which cited Ben-Zvi: "For contributions to high-brightness electron beam technology and superconducting rf technology, and for his leadership of Brookhaven National Laboratory's Accelerator Test Facility."

Ben-Zvi's interest in particle accelerator technology originated early in his physics career.

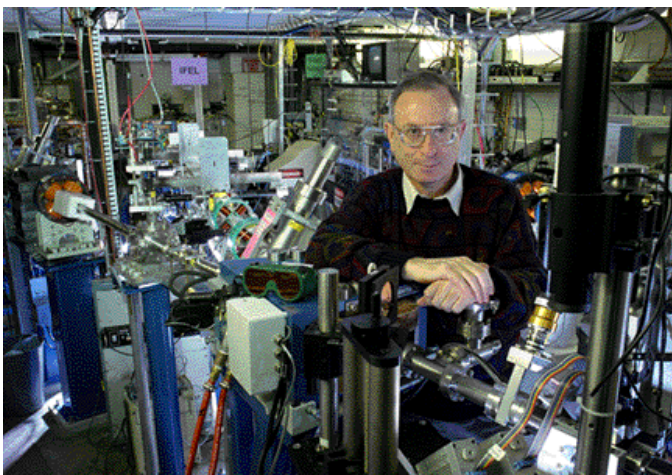
After receiving his Ph.D. in physics from the Weizmann Institute of Science, Israel, in 1970, and joining the Weizmann scientific staff, he visited Stanford University, 1970-75, where he helped develop the earliest stages of superconducting linear accelerators. In 1975, he returned to Weizmann to found a cryogenic technology laboratory, and he worked there until 1975, developing cryogenic systems and electrostatic accelerators, and building the first quarter-wave resonator superconducting booster linac.

From 1980 to 1982, as a visiting associate professor of physics at the State University of New York at Stony Brook (USB), he participated in establishing its heavy-ion superconducting linac, inventing and developing systems now used around the world.

Ben-Zvi's involvement in international projects led to his design and construction of the current leads for the HERA proton ring in DESY, Germany, and participation in the design and construction of the University of Washington's heavy-ion booster.

He also has consulted on beam optics, cavity design and controls for the INFN linac in Italy. With researchers from SLAC, the University of California, Los Angeles, and KEK and Sumitomo in Japan, he collaborated on a new generation of photo-injectors.

While serving as a visiting USB



Ilan Ben-Zvi

physics professor, 1988-90, Ben-Zvi came to BNL's National Synchrotron Light Source (NSLS) as a visiting scientist in 1988. In March 1989, he joined the Lab as a physicist, leaving his position at Weizmann. He was

asked to head the ATF and become deputy CAP head six months later.

At BNL, Ben-Zvi led the ATF construction, completing a facility that holds the world's brightness record for electron linacs. At the ATF, his research includes free-electron laser (FEL) physics, high-brightness electron guns and advanced light-source concepts. He was awarded tenure in 1991 and remains an adjunct professor of physics at USB.

Ben-Zvi is a fellow of the American Physical Society (APS) and a member of the New York Academy of Science and the International Society for Optical Engineering. Most recently, he was elected an officer of the executive committee of the APS Division of Physics of Beam. He is on the editorial board of *Physical Review Special Topics - Accelerators and Beams*, and he has authored or coauthored over 140 publications. — Liz Seubert

Alessandro Ruggiero Is Named APS Fellow

At PAC '99, the 1999 Particle Accelerator Conference hosted by BNL in New York City, March 30-April 2, Senior Scientist Alessandro Ruggiero, Alternating Gradient Synchrotron (AGS) Department, was named a Fellow of the American Physical Society (APS).

Formed in 1899, the 41,000-member APS is dedicated to advancing physics and spreading knowledge and information about its fields. Election as an APS Fellow is peer recognition of outstanding contributions to physics through original research and publication, significant and innovative applications of physics to science and technology, and/or physics teaching or service to the society. No more than one-half of one percent of the society's

members may be elected Fellows.

Nominated by the APS Physics of Beam Division, Ruggiero was cited: "For contributions to accelerator theory, including instabilities and nonlinear dynamics; to accelerator complex designs, notably the Antiproton Source and the Relativistic Heavy Ion Collider; and to accelerator architecture investigation of Spallation Neutron Sources."

Ruggiero, who had earned his 1964 Ph.D. in physics from the University of Rome, visited BNL several times as a collaborator through 1984.

In 1987, he joined the staff of then Accelerator Development Department as a senior physicist and Head of the Accelerator Physics Division. At that (continued on page 2)



Alessandro Ruggiero



Call on the Employee Relations Committee

BNL's Employee Relations Committee (ERC) is dedicated to helping non-bargaining unit employees solve work-related problems that they have not been able to resolve with their supervisors. Responsible to the Director, the ERC reviews employees' complaints and attempts to hear all sides of an issue before making a recommendation. Everything is kept completely confidential, and no action is pursued without the complete agreement of the employee involved.

Shown above are the ERC's current and past members with Laboratory Director John Marburger (far right): (front from left): past ERC chair Conrad Koehler Jr., Chemistry Department; Arline Wilsey, Information Services Division; former member Sue Ellen Gerchman, Biology Department; current ERC Chair Neil Schaknowski, Instrumentation Division; (center, from left) former member Betty McBreen, Physics Department; John E. Barry, Chemistry Department; Joseph Gatz, Safety & Health Division; (back, from left) Lisa Toler, Department of Advanced Technology; ex-officio member Susan Foster, who is the Employee Relations Counselor in the Human Resources Division; Ann Corr, Financial Services Division; and Jon Sandberg, Alternating Gradient Synchrotron Department. Two new members who are not shown here are: Nancy Barci, Reactor Division, and Patricia Meehan, Physics Department.

To bring a problem to the ERC's attention, call its special number, Ext. 4005, or contact a member: Barci, Bldg. 750, Ext. 7548; Barry, Bldg. 555, Ext. 6315; Corr, Bldg. 134B, Ext. 2427; Foster, Bldg. 185, Ext. 2888; Gatz, Bldg. 490, Ext. 3120; Meehan, Bldg. 510C, Ext. 3776; Sandberg, Bldg. 911A, Ext. 4682; Schaknowski, Bldg. 535B, 4261; Toler, Bldg. 197C, Ext. 2276; or Wilsey, Bldg. 477, Ext. 3490.

Science Studies Forum

BNL Historian Robert Crease invites interested BNLers to join the Science Studies Forum at the State University of New York at Stony Brook (USB), which is a group of faculty from the humanities and social sciences that meets for 2-1/2 hours once a week to discuss science themes. For the remainder of the spring semester, the schedule of speakers is as follows:

date	topic, speaker, discipline
4/8	Values and the environment, Andy Feenberg, philosophy
4/15	Psychology of radiation catastrophes, Evelyn Bromet, psychiatry
4/22	Artificial neural nets in health care. Helge Malmgren, philosophy
4/29	Race, nationalism and blood donation, Amy Beth Gangloff, history

Then, June 10-12, the Science Studies Forum is holding a conference on Laboratory history and sociology, which will be attended by, among others, Crease, and the historians from Argonne and Thomas Jefferson National Laboratories, and CERN. The opening remarks will be delivered by BNL Director John Marburger.

For more information about the forum, its meetings and upcoming conference, contact Crease, Ext. 2364 or crease1@bnl.gov.

Ruggiero (cont'd)

time, the AGS Booster was under construction, and construction of the Relativistic Heavy Ion Collider was about to begin. Under Ruggiero, the APD was very involved in new accelerator and collider design, and it also contributed to the upgrade of the AGS.

More recently, Ruggiero's contributions have included: work on the design and conceptual development of neutron spallation sources, gold ion-acceleration studies in the AGS Booster, concepts for low-energy storage rings, work on crystalline beams, and a feasibility study of an accelerator experiment for proton radiography proposed by Lawrence Livermore National Laboratory.

Ruggiero received tenure at BNL in

Hospitality Committee

The Hospitality Committee invites all on-site residents, their spouses and friends to join in the following events. More details are posted in the laundry and on the door of the Recreation Building. For more information, call Julie Kim-Zajonz, 929-0405.

Easter Egg Hunt on Saturday

All on-site residents and their friends are invited to bring their children to an Easter egg hunt, at 10:30 a.m. sharp on Saturday, April 3, at the Recreation Building. To have children participate, parents must supply 12 plastic Easter eggs per child ahead of time. For more information, call Sarah Zill, 821-2602.

Welcome Coffee

Coffee is served to newcomers and existing residents of the apartment area every Tuesday, from 10 a.m. to 11:30 a.m. in the lounge of the Recreation Building.

Parent-Toddler Group

Parents of two- and three-year-olds are invited to bring the children to the Recreation Building every Wednesday, 9:30-11:30 a.m. For more information, call Sarah Zill, 821-2602.

Garden Plots Available

Spring is almost here, so on-site residents are urged to consider gardening on site. For a \$10 fee, plots are available in the garden near the laundry. For more information, call Ext. 1034.

Family Night on April 23

On-site residents are invited to bring their families and friends plus a dish to share to the April potluck family night on Friday, April 23, from 6:30 p.m. to 8:30 p.m. in the Recreation Building. After family-night supper, spend an evening talking and playing games with your neighbors and friends.

1988. He transferred to the Department of Advanced Technology in 1993 for two years before moving to the AGS in 1995. — Liz Seubert

Laboratory Slogan Selected; Environmental Motto Sought

A Passion for Discovery

When developing Brookhaven's new logo (see Brookhaven Bulletin March 12, 1999), the Deffenbaugh Agency did research about the Lab and what it represents to all the communities that have an interest in BNL. As a result of this work, the agency came up with the phrase "a passion for discovery" to describe the Lab's essence, and this phrase has been selected as the Lab's official slogan.

Therefore, the eight-month search for a slogan, which began on July 17, 1998, with the announcement of a slogan contest, is over. As was reported earlier (see Brookhaven Bulletin, January 15, 1999), the slogan contest drew 260 entries from 101 employees, retirees and facility users. For entering the contest, all were entered in a drawing for a \$50 dinner gift certificate, which went to Jim Schermerhorn.

Though no one was named the winner of the \$100 American Express gift check for coming up with the winning slogan, those who suggested slogans aided the Deffenbaugh Agency in their research on the Brookhaven community — and gave them a feeling of the immense pride that this community takes in the Lab.

Whether or not you entered the Lab slogan contest, all employees are again invited to submit their ideas for a new contest described below.

Environmental Motto Contest

Since BSA became BNL's operating contractor a year ago in March, "Clean It Up and Keep It Clean" has the Lab's environmental-cleanup war cry.

Now, however, BNL's new Environmental Services Division (ESD) is looking for a motto for its environmental-protection program. That motto must express BNL's commitment to regulatory compliance, community involvement, pollution prevention, cleanup, and continual improvement.

If you have a forward-looking and positive motto to suggest, then send your suggestions to ESD Manager Bet Flores, Bldg. 535A, or flores@bnl.gov by Thursday, April 15. Suggested graphics to accompany your motto will also be welcome. The winner will be announced on Earth Day, Thursday, April 22, and the employee, retiree or facility user who comes up with the winning motto will receive a \$100 gift certificate.

If you have any questions about this contest, then call Bet Flores, Ext. 4225, or Susan Briggs, Ext. 3465.

Robert Palmer (cont'd)

CERN, Switzerland, in the early 1970s; the first charmed baryon, at Brookhaven in 1975; and direct single photons, at CERN in 1978.

Palmer's interest in accelerator physics led him to invent the inverse free electron laser in 1972. The following year, Palmer proposed a method — called longitudinal stochastic cooling or the Palmer method — of correcting the momentum spread of particles as they circulate in an accelerator which is now used at CERN. In 1980, Palmer invented what is called the grating laser accelerator.

From 1980 to 1983, Palmer and his coworkers developed magnets for the Colliding Beam Accelerator (CBA) Project and then for the Superconducting Super Collider (SSC). The success of many of today's superconducting accelerator magnets, including those planned for the Large Hadron Collider at CERN, can be traced to ideas that Palmer first proposed and tested at BNL.

Since 1994, much of Palmer's work has focused on lepton colliders: at first, linear electron-positron colliders and, now, muon colliders. The advantage of muon colliders is that they would allow physicists to do much of the same research as with a linear collider, but in a much smaller machine.

Since 1997, Palmer has served as

spokesman of the Muon Collider Collaboration, which now includes more than 100 members from 27 institutions working toward the construction of a demonstration muon collider at a yet-to-be-determined site.

Robert Palmer did both his undergraduate and graduate work at the Imperial College in London. After taking his Ph.D. in physics in 1960, he came to BNL's Physics Department, to join the Bubble Chamber Group led by Ralph Shutt. Palmer received tenure in 1969 and was promoted to a senior physicist in 1974. From 1983 to 1986, he served as BNL's Associate Director for High-Energy Physics Research, and, following a one-year sabbatical, was named head of CAP. He resumed this appointment in 1991, after a one-year leave of absence at the SSC.

In addition to his APS awards, Palmer received a BNL Research & Development Award in 1997 for his many contributions to accelerator and detector concepts and technology.

Arrivals & Departures

Arrivals	
Amy L. Hafer	Env. Restoration
Christopher E. Naylor	AGS
Gabriel J. Vignato	Applied Science
Departures	
Adam J. Bera III	AGS
Laurie T. Pollard	Central Shops

BNL's Robert R. Wilson Prize Winners

date	scientist	citation
1987	Ernest Courant	invention of alternating gradient focusing principle and development of particle accelerators based on that concept, work on particle-beam dynamics
1993	John Blewett	first indirect observation of synchrotron radiation, first application of alternating gradient focusing concept to linear accelerators, development of accelerator and storage ring design and construction
1999	Robert Palmer	development of superconducting magnets, invention of longitudinal stochastic cooling, development of muon collider



A total of 198 Very Important Persons (VIPs) were invited to the 1998 service award reception held in the Brookhaven Center last December.

These VIPs included seven BNLees who had observed 40-year anniversaries at the Lab during 1998, 32 who had completed 35 years at BNL, 25 who had been at the Lab for 30 years, and 34 who had served 25 years as BNL employees.

Other VIPs included: 82 employees with between 36 to 39 years of service, 13 who were with the Lab between 41 and 44 years, one employee — J. Keith Rowley, Chemistry Department — who completed 45 years at the Lab, another — Elinor Norton, Chemistry — who logged 47 years of service, two — Irving Feigenbaum, Physics Department, and Seymour Rankowitz, Instrumentation Division — who have been BNLees for 48 years, and one — Bernard Manowitz, Department of Applied Science — who broke all records in attaining 51 years at Brookhaven.

On behalf of the Laboratory, BNL Director John Marburger warmly congratulated the VIPs, thanking them for their sustained effort and excellent record of achievement over so many years. — photos by Roger Stoutenburgh

Due to a broken mechanical folder in the Graphic Arts (GA) Section of the Information Services Division, the weekly mailing of each Friday's Brookhaven Bulletin has been delayed over the past several months.

As a result, BNL retirees have been getting their copies approximately two weeks late, so, for the delay, we sincerely apologize.

According to Richard Backofen of GA's Offset Printing Group, a new folder has been ordered, and delivery is expected within the month of April.

After the folder is installed and those in the bindery are trained in its operation, the retiree mailing again should again go out as scheduled.

In the meantime, retirees are reminded that the Bulletin is available on the World Wide Web at www.pubaf.bnl.gov/bulletin.html and that each Friday's issue is posted there by that afternoon.

The following employees celebrated service anniversaries in January:

40 Years

John B. Laurie Info. Services

35 Years

Joseph P. Hanson Info. Services

Charles E. Spillett Plant Eng.

Eugene A. Tombler AGS

30 Years

Arthur Forman Biology

Joanna S. Fowler Chemistry

Leroy James AGS

25 Years

Karl J. Swyler Educ. Prog.

20 Years

James M. Forkin .. Emergency Services

Richard J. Gagliardi Plant Eng.

Carl G. Holmstrom Central Shops

Robert Kaszuba Admin. Support

Robert D. Lehn AGS

Jutta L. Paparelli Biology

Andrew M. Sandorfi Physics

Joyce Wund Human Resources

10 Years

Aramentis Booker Cont. & Proc.

Heinz E. Bosshard Biology

John J. Cupolo RHIC

David M. Gassner AGS

Jeffrey B. Gillow Applied Science

Douglas W. Gordon AGS

William B. Higinbotham Info. Tech.

Henry F. Kahnhauser Rad. Control

Edward J. Koropsak RHIC

Scott Krsnak Plant Eng.

Lawrence W. Kunzig .. Admin. Support

Joseph F. Lombardo AGS

Barry A. Lotko Plant Eng.

Hong Ma Physics

Vito F. Maltese AGS

William F. McKeon RHIC

John E. Meade Central Shops

John M. Quigley Plant Eng.

Smita M. Sathe AGS

John Schlichtroll Plant Eng.

Arthur J. Sedlacek Adv. Tech.
Alison L. Tilp Info. Tech.
Arthur E. Veprovsky Plant Eng.

The following employees celebrated service anniversaries in February:

35 Years

Frank L. De Rosa Plant Eng.
Robert E. Lockey AGS

30 Years

Franklin H. Federmann .. Internal Audit
Hugh S. Isaacs App. Science

25 Years

Alfred J. Cordero Plant Eng.
M. Sue Davis Director's Off.

20 Years

Beth P. Blevins Director's Off.
Conrad L. Foerster NSLS
Enrique S. Garcia Info. Tech.
Nicholas A. Guglielmino NSLS
August E. Hoffmann Physics
William C. Horak Adv. Tech.
Slawko O. Kurczak Medical
Thomas W. Lambertson ... Central Shops
Hai-Dee Lee Occ. Medicine
Yin-Nan Lee App. Science
Alfredo U. Luccio AGS
Louis Mazarakis AGS
Carole A. McNulty Admin. Support
Frank J. Palmeri .. Saf. & Health Serv.
Stefan Palo NSLS
Susila Ramamoorthy NSLS
George F. Sintchak RHIC
Jiunn-Ming Wang NSLS

10 Years

Bruce P. Abel AGS
James T. Biancarosa Physics
Deborah A. Botts Con. & Proc.
Donna M. Buckley NSLS
Patricia M. Hein RHIC
William Jew NSLS
Charles L. Knight Plant Eng.
Wai Lin Litzke App. Science
Robert C. McNair Indep. Oversight
Corinne Messina NSLS
Gregory J. Ogeka Director's Off.

Nikolaos Simos Adv. Tech.
Mark P. Toscano Plant Eng.
Michael A. Verderosa Reactor

The following employees celebrated service anniversaries in March:

40 Years

Nicholas P. Samios Physics

35 Years

Pierre Stillman AGS

John C. Walker AGS

25 Years

Ruby W. Fajer Applied Sci.

Laurence S. Littenberg Physics

Yasuko Sanborn Advanced Tech.

20 Years

Charles B. Bloxon AGS

Kathleen M. Brown AGS

Anne M. Corr Fin. Services

Sebastian A. DiMaiuta RHIC

Denis Donahue AGS

Kathleen P. Hauser Advanced Tech.

Michael D. Kelly NSLS

Roy J. McWilliams Plant Eng.

José A. Mendez Plant Eng.

Philippe A. Ouvrard Plant Eng.

Peter E. Popken AGS

Robert Scheuerer NSLS

Jeffrey W. Taylor Human Res.

Ronald Wagner Plant Eng.

Edward G. Weigand RHIC

Lawrence M. Welcome RHIC

Gwyn P. Williams NSLS

Ralph D. Wilson Saf. & Health Serv.

10 Years

Jeffrey J. Aspenleiter NSLS

William G. Buckelmann ... Plant Eng.

Michael F. Buckley NSLS

David E. Dale Contracts & Proc.

Raymond A. Diaz Reactor

Robert L. Eger Plant Eng.

Theodore G. Heuer. Safeguards & Sec.

Fernando Jaramillo Plant Eng.

Timothy P. Powers Reactor

Stephen J. Thompson Plant Eng.

Edward J. Ulrich RHIC

Kathryn A. Warburton NSLS

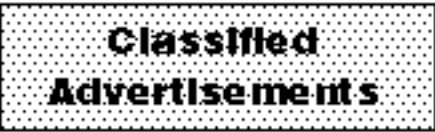
Life’s a Beach

On Saturday, April 24, BNL volunteers are needed from 9 a.m. to noon to help clean up Smith Point Park, as part of an extended Earth Day celebration.

No experience is necessary, so bring your family and friends (and sunscreen) for a morning of fresh air, exercise and community spirit. To volunteer, call Elaine Lowenstein, Community Relations Office, Ext. 2400.

Vote BERA Today

Today, Friday, April 2, is the last day that BERA members may cast their ballots for two of the four candidates running for the BERA Executive Board (see last week’s Brookhaven Bulletin). The winners will serve four-year terms and determine BNL’s recreation policy during that time. So go to the Teachers Federal Credit Union, Bldg. 193, between 10 a.m. and 2 p.m. to vote BERA.



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>.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

DD8108. SECRETARIAL POSITION - (term appointment, part time) Requires an AAS degree in secretarial science or equivalent experience, with demonstrated excellent organization, communication and PC skills (Microsoft Word, PowerPoint, Excel, WordPerfect, ORPS and Visio). Requires the ability to work independently, and to exercise initiative and good judgment. Duties will include updating policies and procedures, and preparing reports and presentations, as well as providing administrative secretarial support to the Safety, Training & Quality Group staff. Plant Engineering Division.

DD7843. SECRETARIAL POSITION - Requires an AAS degree in secretarial science or equivalent experience. Will be responsible for secretarial and administrative functions associated with managing the Deputy Chair’s office and Electrical Systems Division. Responsibilities also includes processing/managing guest appointments and new hires, maintaining records, and processing foreign and domestic per diem and travel vouchers following guidelines and procedures. Must work independently and have the ability to prioritize multiple tasks. Must be proficient in Microsoft Word and WordPerfect scientific/technical word processing of journal manuscripts, technical reports and field work proposals. Must have excellent oral and written communication skills. Experience in Internet/Web publishing a plus. National Synchrotron Light Source Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK7840. SCIENTIST - To act as interface between the NSLS facility users and machine operations in the experimental systems group. Will conduct regular meetings with users of both rings, coordinate beam-line commissioning and activities’ scheduling with the NSLS operations group staff, write reports, and track documents. Additional responsibilities will depend upon career objectives. Requires a Ph.D. or equivalent, a thorough working knowledge of beam-line design and operation, and excellent oral and written communication skills. Under the direction of E. Johnson, National Synchrotron Light Source Department.

DD8109. STATIONARY ENGINEER, SENIOR - Under minimum supervision, operates, maintains and repairs any heat-generation equipment, facilities, and auxiliary and related equipment. May be required to assign, direct or check the work of other personnel in connection with assigned responsibilities. Plant Engineering Division.

NS7394. PROGRAMMER/ANALYST POSITION - Requires a BS in computer science and at least three years of experience in applications development and programming. Proficiency in any two of the following languages is required: VB, VB Script, C, C++, Java, Developer 2000, or PeopleCode. Working knowledge of the Windows environment and Microsoft Office products is necessary, as is conceptual knowledge of object-oriented design concepts; 2-tier, n-tier architecture; and relational databases. Oracle or PeopleSoft experience is a plus. Financial Services Division.

DD7841. OPERATIONS COORDINATOR POSITION - Requires a BSET in electrical technology or a BS degree in computer science, or AAS degree or equivalent in these fields plus at least one year of relevant experience. Primary responsibility will be NSLS ex

Atlantic City Bus Trip

On Saturday, April 17, join the BERA bus trip to Resorts Hotel and Casino on the boardwalk in Atlantic City. The initial cost will be \$25, but the hotel-casino will give a \$17 coin return.

The bus will leave the Brookhaven Center at 8 a.m., returning to BNL by about 10 p.m. An extra pickup at LIE Exit 63 may be requested. As usual, there will be free rolls and donuts on board; bring your own juice and coffee.

Buy tickets at the BERA Sales Office in Berkner Hall, Tuesday-Friday, 9 a.m.-1:30 p.m. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

Dosimetry badges will be changed today, Friday, April 2. Therefore, please place your badge in its assigned rack space before leaving work today.

Basketball

Scores from games on March 11			
Bombers 64		Knicks 59	
Doug Aichroth	24	Lee Walcott	20
Steve Jao	14	Onare Rice	8
Tracy Fountaine	8	Shane Stadler	8
Jerry Gaeta	8	Pat Hawkins	6
Donald Davis	4	Steve Springston	6
Mitch Williams	4	Todd Clatterbuck	5
Brian Hobson	2	Chris Fockenber	4
		Jim Garrison	2
Three-point shots: Gaeta (2), Walcott (2), Clatterbuck, Jao.			
Wizards 73		Bulldogs 55	
Santos Ortiz	22	Troy Mayo	26
Jim Rank	13	Mike Mallardi	10
Al Boerner	11	Pete Ratzke	10
Charlie Edwards	11	Greg Mack	4
Rob Singleton	8	Gerry Shepherd	3
Reggie Sanchez	6	Louis Lalor	2
Fred Maier	2		
Three-point shots: Mayo (4), Ortiz (3), Mallardi (2), Boerner, Rank, Ratzke.			

Look Before You Leap

The Safety Glasses Office, Bldg. T88, will be closed on Wednesday, April 7. It will reopen on Wednesday, April 14.

Cello, Piano Recital 4/7

During the next BSA Lunch-time Recital, on Wednesday, April 7, 12-12:45 p.m., cellist Katherine Cherbas will be accompanied by pianist Shih-yu Cheng during a program of works by Beethoven, Tchaikovsky, and Webern.

A chamber musician and soloist, Cherbas has performed throughout the New York metropolitan area with the Neue Bach Band, an ensemble which performs the music of J.S. Bach. Among her national and international recitals, Cheng has performed at Carnegie Recital Hall.

BSA Lunchtime Recitals are free, informal and open to all. Audience members may bring a box lunch into the hall to enjoy with the music, and may come and go as they please.