the Bulletin

BROOKHAVEN NATIONAL LABORATORY

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At 2009 Recognition Ceremony BNL Honors 13 Lab Employees

At the annual Employee Recognition Ceremony held on June 22 in Berkner Hall, 13 BNLers were honored with the Lab's highest awards: five received the Brookhaven Award, five, the Engineering & Computing Award, two, the Science & Technology Award, and one, the BERA Service Award. Candidates are selected for the exceptional nature and difficulty level of their contributions as well as the benefit of the contributions to the Laboratory.

The contributions of Serban Protopopescu, Physics Department; and F. William Studier, Biology Department, were featured in the Bulletin of July 10, 2009.

Engineering & Computing Award winners: Gregory Flett, Modernization Project Office; Jesse Schmalzle, Superconducting Magnet Division; Emerson Vernon, Instrumentation Division; Alexander Zaltsman, Collider-Accelerator Department (C-AD); and Wu Zhang, C-AD; and BERA Service Award winner Elliott Levitt, Internal Audit & Oversight Office, as well as the 146 Spotlight Award winners, will be featured in future issues of the Bulletin.

Sam Aronson, Laboratory Director, presented the Brookhaven Awards, which are given to recognize key contributors in support functions whose performance and achievements represent outstanding service to the Laboratory. Nominees are evaluated for the contributions' exceptional nature, difficulty level, and benefit to BNL, as well as the length of time over which the contributions were made.

Roger Stoutenburgh D6870609

BNL awardees (from left): Thomas Dilgen, Patricia Carr, Steven Coleman, Kathleen Barkigia, and Mark Davis.

Five BNLers Win 2009 Brookhaven Award

The five Brookhaven Award winners of 2009 are: Kathleen Barkigia, Policy & Strategic Planning Office; Patricia Carr, Energy, Environment, & National Security Directorate; Steven Coleman, Radiological Control Division; Mark Davis, Environmental Protection Division; and Thomas Dilgen, Superconducting Magnet Division. Their contributions are featured below:

Kathleen Barkigia

Kathleen Barkigia of the Policy & Strategic Planning Office has worked at Brookhaven for over 30 years. During this time, she has made numerous scientific and leadership contributions that extended from 1978-2003 when she was a research scientist working in the Chemistry Department, and from 2003 to the present, as Special Assistant to the Director in the Director's Office.

The exceptional nature of Barkigia's contributions lies in the scope and difficulties of the issues she faces in Laboratory planning. At its heart, this work involves addressing some of the most difficult institutional issues and questions. Among these are questions like "Where will the Laboratory be in ten years?" and "How will we get there?" Barkigia has helped to develop answers to these questions and as a result has touched the full range of scientific activities of the Laboratory as well as the supporting infrastructure and facilities' needs. Recently, she has developed the scientific components of the Mission Need statements for the Inter-disciplinary Science Buildings. Barkigia has helped BNL to develop one of the most refined planning processes in the DOE complex, and more importantly, a compelling and aggressive vision for the future of Brookhaven National Laboratory.

Patricia Carr

Patricia Carr, a project engineer II in the Energy, Environment & National Security Directorate (EENS), is being recognized for her outstanding service to the Laboratory in the areas of environment, safety, health, and quality (ESH&Q). She has been a valued employee at the Lab for over 30 years, and has worked tirelessly to improve BNL's ESH&Q culture. Her dedication and hard work have helped the Lab make several important improvements to the way research is conducted.

As the Environment, Safety & Health (ES&H) Coordinator for EENS over the past 10 years, Pat has been instrumental in developing and implementing Standards Based Management Systems, as well as in securing the Lab's certification to EMS 14000 and OHSAS 18001. She is a charter member and Co-Chair of the Small Science Working Group, which has provided invaluable assistance addressing ES&H issues for small science at BNL. She is also an advocate of the Electronic Experimental Safety Review process for BNL, and the Human Performance Improvement initiative. Carr's commitment to ESH&Q and her dedication to the importance of the research at BNL have made significant contributions to improving the conduct of research at the Laboratory.

Steven Coleman

Steven Coleman, Interim Manager of the Radiological Control Division, is recognized for his work as the Laboratory's Integrated Safety Management (ISM) Program Manager from 2005 to 2008, and for his key contributions to the Lab's success in the critical DOE Review of BNL's ISM program in 2007. As a result of Coleman's leadership and project management skills, not one of BNL's ISM-rated areas was found to have "significant weaknesses" by the ISM Review Team. BNL was the only Lab to have achieved this result in the prior four years of DOE inspections.

Coleman took over the ISM program in late 2005 when it faced many significant deficiencies. He worked across BNL support organizations, on a short schedule, to develop corrective actions. He organized these actions, as well as improvement initiatives, into a comprehensive, well-structured project, and established the infrastructure for effective management and review with senior management involvement. This approach was unique in the DOE complex and resulted in BNL's receiving a "Noteworthy Practice" finding from DOE during the ISM review. Coleman became an expert in DOE's ISM requirements and expectations and has been asked by other DOE Labs to brief their managers and staff on BNL's ISM and the approaches he developed.

Mark Davis

Mark Davis, a Project Engineer I in the Environmental Protection Division (EPD), started in BNL's Reactor Division in 1984 and became a Reactor Operations Supervisor for the High Flux Beam Reactor (HFBR). After the HFBR closed in 1999, Davis joined the EPD where he is responsible for compliance with the National Environmental Policy Act (NEPA) and serves as Cultural Resources Program Manager. As NEPA Coordinator, he streamlined processes and...

*See **Brookhaven Awards** on pg. 2*

Save the Date: 7/30

RHIC Renaissance Celebration

Lab to Honor Jim Simons & RenTech Partners with road re-dedications, 'Collide the Ions' Walk for Autism, distinguished speakers

On July 6, the Relativistic Heavy Ion Collider (RHIC) successfully completed its ninth run in its nine years of operations. While seven of RHIC's runs offered several weeks of heavy ions followed by additional weeks of polarized protons, this year's run plus another in 2006 were the only runs exclusively dedicated to colliding polarized protons, with the goal of exploring the role that gluons play in the spin of the proton. Proton spin, for instance, is key to making magnetic resonance images (MRIs) of the human body.

Due to federal funding constraints and an unexpected increase in electricity costs, the polarized-proton run of 2006 was almost the run that wasn't — had it not been for the generosity of Brookhaven Science Associates board member Jim Simons and several partners of his Renaissance Technologies, Inc., hedge fund. They provided $13 million in funding to ensure 20 weeks of RHIC polarized-proton beam.

On Thursday, July 30, to celebrate the contribution of Simons and his colleagues, the entire Lab community is invited to a RHIC Renaissance Celebration, with this schedule:

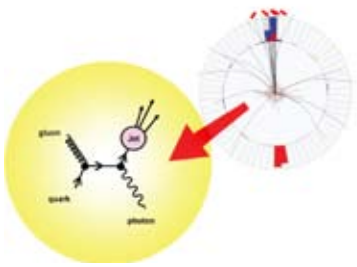
- At 11:30 a.m., attend the ceremony at the STAR experimental hall, Bldg. 1006, honoring Simons and the Renaissance Technology partners and featuring the re-dedication of Railroad Avenue and the RHIC Ring Road.
- Immediately following the ceremony, at about 12:15 p.m., participate in the "Collide the Ions" 1.8-mile walk for autism around the newly re-dedicated RHIC Ring Road. Free commemorative T-shirts will be given to all participants at the start of the walk to put over what you are wearing — so wear something light as well as your walking shoes.

Those with blue T-shirts will head clockwise, as does the ion beam in the RHIC Blue Ring; those who receive yellow T-shirts will head counter-clockwise, as does the ion beam in RHIC's Yellow Ring. In the middle, walkers will symbolically and safely "collide" by walking past each other en masse — and this "particle collision" will be recorded for posterity by BNL photography and videography.

Besides being the photo-opportunity of Summer 2009, this walk will benefit charity, as Brookhaven Science Associates will donate $10 per walker to autism research, which is one of the research interests of the Simons' Foundation. At the end of the walk, participants will be treated to free ice cream.

Sambamurti Memorial Lecture, 7/21

Spotlight on the Gluon



Among the fundamental forces of nature that cause particles to interact is the strong force. This force binds quarks — the building blocks of matter — together into protons and neutrons, which form the atomic nucleus. To describe the strong interaction of quarks via the exchange of gluons, which carry the strong force, physicists use the theory of quantum chromodynamics (QCD). Although the force is very strong, gluons act over a very short range, roughly the size of the proton, making QCD predictions complex and experimental measurements difficult to interpret.

When protons are collided together at very high energies, for example, at the Tevatron at Fermi National Accelerator Laboratory (Fermilab) or the Relativistic Heavy Ion Collider at BNL, many of the interesting interactions involve the strong force. From these collisions, physicists typically observe collimated sprays of particles, commonly called jets. Rarely, a photon particle will also be produced. Unlike the jets, which are only distant relatives of the quarks and gluons that actually collided, the photon is well measured and easier to understand — allowing researchers to peer deep inside the collision.

On Tuesday, July 21, join Michael Begel of the Physics Department as he gives the Sambamurti Memorial Lecture, entitled "Spotlight on the Gluon," in the Large Seminar Room of the Physics Department, Bldg. 510. Refreshments will be served at 3 p.m. and the lecture will start at 3:30 p.m.

*See **Gluon Lecture** on pg. 2*

Calendar
of Laboratory Events

- *The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.*
- *Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.*
- *The Recreation Building #317 (Rec. Hall) is located in the apartment area.*
- *Contact names are provided for most events for more information.*
- *Events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.*

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes
Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See *http://www.bnl.gov/esol/schedule.asp* for schedule. Jen Lynch, Ext. 4894

Mondays: BNL Social & Cultural Club
Noon–1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, *alforque@bnl.gov*

Mondays & Thursdays: Kickboxing
$5 per class. Noon–1 p.m. in the gym. Pay as you go. Ext. 8481

Mon., Thurs., & Fri.: Tai Chi
Noon–1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, *rusek@bnl.gov*

Tuesdays: BNL Music Club
Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

Tuesdays: Knitting Class
2 -4 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information.

Tuesdays: Toastmasters
3 monthly meetings: 2nd Tuesday.: Noon, Berkner, Rm. D: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. *http://www.bnl.gov/bera/activities/toastmstrs/*

Tue., Wed. & Thurs.: Rec Hall Activities
5:30–9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090

Tuesdays & Thursdays: Jiu Jitsu
6:30–7:30 p.m. Tuesdays: Brookhaven Center, Thursdays: Gym. All ages, 6 yrs. to adult. Class fees are $65/month or $10/class, pay as you go. Tom Baldwin, Bldg. 452, Ext. 4556

Tuesday & Thursday: Aqua Aerobics
5:30–6:30 p.m., Pool. Registration is required. Ext. 2873

Wednesdays: On-Site Play Group
10 a.m.–noon. Apartment area playground. Infant/toddler drop-in event. Parents meet while children play. Restarts 9/10. Petra Adams, 821-9238

Wednesdays: Ballroom Dance Class
B'haven Center, N. Ballroom. Instructor: Giny Rae. Three 1-hr. classes, starting at 5:15 p.m. Ext. 3845

Wednesdays: Yoga
Noon–1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, *ila@bnl.gov*

1st Wednesday of month: LabVIEW
1:30–3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304, or Terry Stratoudakis, (347) 228-7379

Thursdays: BNL Cycletrons Club
Noon–1 p.m., First Thurs. of month. Berkner, Rm. D. Toni Hoffman, Ext. 5257

Thursdays: Reiki Healing Class
Noon–1 p.m., Call for location. Nicole Bernholc, Ext. 2027

Fridays: BNL Social & Cultural Club
Noon–1 p.m., B'haven Center, S. Room, free beginners dance lessons. 7-11:30 p.m. N. Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, *alforque@bnl.gov*

Fridays: Family Swim Night
5–8 p.m. BNL Pool. $5 per family

Fridays: Family Gym Night
5–8 p.m. Family gym activities. Free

Defensive Driving — Course in Two Parts, 7/27 & 30

The next six-hour Defensive Driving (Point and Insurance Reduction) course will be held in two parts on Monday and Thursday, July 27 and 30, in the Brookhaven Center South Room, from 6 p.m. to 9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is $38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number.

Roger Stoutenburgh D5430509

Members of the 2009 Brookhaven Council are: (seated, from left): Council Secretary Raju Venugopalan, Physics Department; Thomas Ullrich, Physics; Dax Fu, Biology Department; Jean Logan, Medical Department; Daniel van der Lelie, Biology; Sergei Maslov, Condensed Matter Physics & Materials Science Department (CMPMSD); and Council Chair Sergei Lymar, Chemistry Department; (standing, from left) Samuel Krinsky, National Synchrotron Light Source II Project; Pavel Rehak, Instrumentation Division; Wolfram Fischer, Collider-Accelerator Department (C-AD); William Morse, Physics; Arokiasamy Francis, Energy, Environment & National Security Directorate (EENS) and Environmental Sciences Department (ESD); Vivian Stojanoff, National Synchrotron Light Source Department; Etsuko Fujita, Chemistry. Not present are: Michael Blaskiewicz, C-AD; Lawrence Kleinman, EENS; Robert McGraw, ESD; and John Tranquada, CMPMSD.

Meet the 2009 Brookhaven Council

The Brookhaven Council is an elected body that advises the Director on matters affecting the scientific staff, concerned in particular with maintaining an atmosphere conducive to excellence in scientific research at the Laboratory. The Council is also a group through which members of the scientific staff may bring their concerns to the Director's attention. While the Council provides advice on a wide spectrum of issues, one of its most important functions is to evaluate and provide recommendations to the Director on tenure appointments and to consult on any termination of continuing or term appointments. The Council also has its representatives on various Laboratory committees, notably on the Laboratory Directed Research & Development and Goldhaber Fellowship selection committees.

This year, Sergei Lymar of the Chemistry Department is serving as Council Chair and Raju Venugopalan of the Physics Department is serving as Council Secretary.

Said Lymar, "It is sometimes overlooked that the Council's role is not limited to personnel issues. We are a non-administrative and the most direct conduit between the scientific staff and the Director, and I encourage scientists to communicate concerns they may have or problems they may encounter to their departmental representatives on the Council."

*See **Gluon Lecture** on pg. 2*

Begel will use results from the Fermilab D0 and E706 experiments to explain how the production rate and energy spectrum of photons produced during proton collisions can clarify how the energy inside the proton is shared between quarks and gluons. This improves scientists' understanding of the strong force, which is essential to searches for new physical phenomena such as the Higgs boson, supersymmetry, or large extra dimensions.

Begel, an assistant physicist who joined BNL in 2007, earned his Ph.D. in physics from the University of Rochester. He is currently a member of BNL's ATLAS collaboration at CERN, the European particle physics laboratory, and the Fermilab D0 and E706 collaborations.

The Sambamurti Memorial Lecture was established in 1992 to commemorate the work of Aditya Sambamurti, a young BNL physicist who died of cancer in 1992 at age 31. Each year, an outstanding young physicist whose professional interests overlap those of Sambamurti is selected to deliver the lecture.

BERA Trips

***Billy Elliott* on Broadway:** Sunday, July 19. $125 per person. Depart from Brookhaven Center at 10:30 a.m. and leave after the show, approximately 6 p.m.

Do-As-You-Please Trip to New York City: Saturday, August 1. Two coaches will depart the Brookhaven Center at 9 a.m., drop you off in the Bryant Park mid-town area and pick you up there at 5:30 p.m. The cost is $10 each for adults and children over 2; babes of under 2 go free on your lap.

Yonkers Raceway & Empire City: Saturday, August 8. More than 5,000 slot machines, live horse racing, and more than four dining rooms. $20 per person, for those of 18 and over only. Depart Brookhaven Center at 2 p.m. and leave Yonkers at 10 p.m.

*Also, see **Cape Cod** on pg. 3*

Can You Spare a Can?

The BNL Food Drive has bins all over site, e.g., in Bldg. 400 lobby, and near the Mail Room in Bldg. 179. Please donate food.

Administrative Fees Charged by Doctors

The Benefits Office has become aware of an emerging trend in the medical provider community. Some providers have begun charging patients administrative fees for providing services not reimbursed by the patient's medical insurer. Such services include telephone consultations, preparation of forms such as Workers' Compensation, Family Medical Leave Act (FMLA), No Fault, etc.

We have surveyed the medical carriers that BNL offers to our employees regarding the legality of in-network providers charging these fees. Based on the language/limitations included in the provider's contract with the insurance company we have found that the responses vary. Each carrier's response is listed below:

CIGNA and Aetna contracts do not prohibit in-network providers from charging patients administrative fees for services not reimbursed by the health plan. Therefore, you may be billed separately by your provider for these services.

Vytra and HIP contracts do prohibit in-network providers from charging their members any administrative fees or surcharges to members under any circumstances. Therefore, you should not be billed separately by your provider for these services.

If you have any questions regarding this practice, please contact your provider directly.

***Brookhaven Awards** from pg. 1*

…ensured that projects move forward without delay. Recent noteworthy projects include the Research Support Building, CFN, and NSLS-II. Davis continues to apply his NEPA expertise to assist important projects, and is developing the Environmental Assessment for the 37 MW solar photovoltaic project proposed for BNL.

Late in 2008, Davis served as the Project Manager for decommissioning the HFBR, removing the control rod blades, beam plugs, and water from the system and fuel pool. This work presented an extreme demand on his abilities and time. He worked extended hours in a physically demanding environment. His reactor experience and detail-oriented approach to Conduct of Operations resulted in the project's being completed ahead of schedule and under budget.

Davis's consistent high level of performance in all operations won him the recognition for this award.

Thomas Dilgen

Thomas Dilgen is a senior technical supervisor in the Superconducting Magnet Division. During his 30 years at BNL, he has become widely recognized as a highly skilled supervisor. In 1998, when he was named Mechanical Technician Supervisor for the Magnet Production Group, he took charge of 25 technical personnel located in four buildings, working on very diverse magnet programs. He also serves as Facility Building Manager and Work Control Coordinator.

Dilgen goes beyond the role of a technical supervisor, taking on tasks involving engineering supervision. For the Large Hadron Collider (LHC) program, he designed and supervised the fabrication and installation of a support system for a motor-driven MIG welding head for shell welding, and also worked with the engineering team on a design flaw in the D3 magnets, then supervised construction of a successful prototype remedy. Subsequently, he served as BNL's representative at CERN, Switzerland, to implement repairs on all affected and previously delivered LHC magnets.

In recognition of Dilgen's excellence in rigging and materials handling, he was called on to develop material-handling training methods with the Training & Qualifications Program Office, and he worked with the Safety Engineering Group on a problem that involved lifting hardware — the solution is now BNL policy Lab-wide. — Liz Seubert

GEMs Find Their Way to Brookhaven Lab

Each year, the Lab accepts at least two new GEM fellows who are pursuing master's degrees in science and engineering. Under the guidance and mentorship of a Lab scientist or engineer, the students perform hands-on work related to their chosen field.

The National Consortium of Graduate Degrees for Minorities, Inc., dubbed GEM, was initiated in 1972 to address the critical shortfall in new American engineering and scientific talent. GEM works to provide connections to underrepresented (Native American, African American, and Hispanic) post-graduate science and engineering students by promoting partnerships with universities and research institutions.

The GEM program at BNL is administered through the Human Resources & Occupational Medicine Division (HROM) and the Diversity Office. GEM students may work at the Lab for several summers until their studies are complete.

"The BNL mentors have been extremely supportive of this program," said Terrence Buck of HROM, who coordinates the program. "Many of the GEM fellows have told me that they consider their mentors extraordinary role models professionally, personally, and in their communities. The success of this program relies greatly on the dedication of our Lab mentors."

Each year, graduate students participate in GEM internships around the nation and in the Commonwealth of Puerto Rico. According to GEM's website, approximately 3,000 men and women have achieved master's degrees in engineering, and Ph.D.s in engineering and science through GEM's graduate fellowship program. For more information on the Lab's role in the GEM program go to: *http://www.bnl.gov/diversity/programs.asp#GEM*.

A brief description of the work being done this summer by each of the six 2009 participants follows below:

BNL Mentors Help Talented Interns Gain Scientific Experience

Roger Stoutenburgh D0530709

(From left) Samuel Fanfan, Terrence Buck, Ray Conley, Bob Dalesio, Eric Huey, Om Singh, Shana Collins, Peter Siddons, Victor Williamson, Jonathan Laster, Bruce Davis, Frederick Windham. Not pictured: Peter Cameron

Shana Collins

Mentored by BNLer Bob Dalesio, GEM fellow Shana Collins will spend her summer working in the Accelerator Systems Division at the NSLS-II Project.

Collins received her Bachelor of Science degree in computer engineering with a minor in mathematics from Johnson C. Smith University, Charlotte, North Carolina. Her undergraduate honors and awards include the appointment to Alpha Lambda Delta, National Freshman Honor Society, and Dean's List. Collins is now pursuing a Master of Science degree at North Carolina A&T State University and plans to obtain a Ph.D. in computer science. In her free time, she relaxes by playing the saxophone, listening to music, and surfing the web.

Bruce Davis

Mentored by BNLer Ray Conley, GEM fellow Bruce Davis will gain new experience in the computing field by working in the Experimental Facilities Division at the NSLS-II project.

Davis graduated with a Bachelor of Science degree in computer science from Lincoln University in Pennsylvania. Davis plans to attend Purdue University to obtain a graduate degree in computer science. In addition to his internship at BNL, Davis has participated in student programs at the University of Iowa and Carnegie Mellon University. His goal is to devise new computer programs that will assist in research and development of new products and systems. His personal interests include swimming, writing, and traveling.

Samuel Fanfan

Mentored by BNLers Peter Cameron and Om Singh, GEM fellow Samuel Fanfan will spend his summer working in the Accelerator Systems Division at the NSLS-II Project.

Fanfan received his Bachelor of Science degree in electrical and computer engineering from Cornell University. He plans to return to Cornell to pursue a Master of Science degree in the same field. Fanfan's academic interests include digital VLSI microcontrollers, radio frequency circuits, and product design. In his free time, Fanfan keeps busy by volunteering and learning languages. He also enjoys fencing, snowboarding, and watching movies.

Eric Huey

Mentored by BNLer Peter Siddons, GEM fellow Eric Huey will gain experience this summer working in the Controls and Detectors Division at the NSLS.

Huey received his Bachelor of Science degree in electrical engineering from Southern University and Agricultural & Mechanical College, Baton Rouge, Louisiana. Huey plans to pursue same field with a concentration on electronic design and power systems. His past work experience includes internships at his university and a previous internship at BNL where he worked on the development of devices such as gas electron multipliers and electronic programmable loads. In his free time Huey enjoys reading and swimming.

Victor Williamson

Mentored by BNLer Jonathan Laster, GEM fellow Victor Williamson will be working in the Controls Group at the Relativistic Heavy Ion Collider (RHIC).

Williamson received his Bachelor of Science degree in computer science in 2005 and is currently pursing his master's in engineering at the Massachusetts Institute of Technology. His studies focus on web applications and programming. During his 2008 summer internship at BNL, Williamson developed software to examine post-mortem data at RHIC and worked on operating systems design and cryptography. Williamson enjoys jogging, weightlifting, jiu-jitsu, and singing in his church choir.

Frederick Windham

Also mentored by BNLer Bob Dalesio, GEM fellow Frederick Windham will garner experience working in the Controls and Accelerator Systems Divisions at the NSLS-II Project.

Windham graduated with a Bachelor of Science degree in computer engineering with a minor in mathematics from Jackson State University, Mississippi. He will attend Penn State University to pursue a master's in systems engineering. In addition to his studies, Windham also served as the vice president of Phi Beta Sigma Fraternity, Inc. and is a member of the Society of Black Engineers and the Institute of Electrical and Electronics Engineers. He is a recipient of academic scholarships and a music scholarship sponsored by University Bands, recognizing him for his participation as a trumpet player in the "Sonic Boom of the South" marching band.

— Jane Koropsak

BNLers, Come Run, Walk, Picnic At Jones Beach, 7/28

Thousands of walkers and runners from all the companies on Long Island join in the annual "office picnic" at Jones Beach, and BNL is no exception. For several years, the Lab has had winning teams in the 3.5-mile race on the beautiful course where the Marcum and Kliegman Workplace Challenge is held, and the picnic that follows is a ball — the whole group contributes to the party spirit. So mark the calendar for this date of Tuesday, July 28, starting at 7 p.m. The party is open to all BNL employees, their families, and friends.

Two BNL Captains are ready to help you with more information: Paul Geiger, *pgeiger@bnl.gov*, Bldg. 460, Ext. 3308; and Mike Mapes, *mapes@bnl.gov*, Bldg. 911A, Ext. 2841. The fee for the race is $22; you can register on line at *http://www.mkworkplacechallenge.com/Registration.cfm*.

The fee for the picnic is $10. Drop off cash or send a check (payable to Betty Elder) to Betty Elder, Bldg. 1005S. Help is also needed in setting up the picnic. Volunteers, please contact Elder at *belder@bnl.gov* or Ext. 3562, or Sue Wells at *swells@bnl.gov* or Ext. 7427.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, July 22; Tuesday, July 28; and Thursday, July 30, to answer employees' questions about their financial matters. The consultant will help you: understand the importance of protecting your assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call 1-800-732-8353.

Talent Show, 7/21

BNL's Summer Talent Show will explode on the scene at 5:30 p.m. on Tuesday, July 21, in Berkner Hall. Organized by the Office of Educational Programs, this show is an annual event in which students and BNL staff sing, play instruments, and share dramatic moments and comedy.

If you have a talent you'd like to share at the show, contact Eric Jones, Ext. 4237 or *ejones@bnl.gov*. Interns who participate may win $100, $50, or $25. Even if you do not participate, come watch, meet BNL students and staff. All are invited, admission is free!

Adopt-A-Platoon Benefit Car Wash, 7/23

On Thursday, July 23, between 11:30 a.m. until 1:30 p.m., the Adopt-A-Platoon arm of the BNL Veterans Association will wash your car for $5 at the Firehouse. Proceeds go towards purchasing and posting items to support platoon & BNL family members overseas. Rain date: Friday, July 24. To volunteer, call Joanne Rula, Ext. 8481.

Funding for Nonprofit Programs Available

Applications for the 2009 BreakThru Mini-Grants are due by July 31. The awards, totaling $25,000, are for programs that can support science and math programs for African American, Hispanic/Latino, and Native American youth in Suffolk County. For more information, go to *www.bnl.gov/community/breakthru* or contact Jeanne Marie Petschauer, (631) 344-2397, *jmpets@bnl.gov*.

Back to School Supply Drive

Please help support kids in need! Drop off school supplies, such as pencils, binders, backpacks, markers, etc. — at Bldg. 400 Rec. Office by August 14.

Calendar

— THIS WEEKEND —

Sunday, 7/19

***Summer Sundays: Featuring NSLS**

10 a.m.-3 p.m. Enjoy interactive displays at Berkner Hall and visit the featured science facility: the National Synchrotron Light Source. See pg. 4 for general program news, and also *http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=977*.

— WEEK OF 7/20 —

Tuesday, 7/21

***Sambamurti Memorial Lecture**

3 p.m. Large Seminar Room, Physics, Bldg. 510. Refreshments, then at 3:30 p.m. Michael Begel, Physics Department, will give the annual Samba murti Memorial Lecture, titled "Spotlight on the Gluon." All are invited. See pg. 1.

***BNL 2009 Summer Talent Show**

5:30 p.m. Berkner Hall. Organized by the Office of Educational Programs, this annual event reveals extraordinary show talent of students and BNL staff. To join as a performer or a helper, contact Eric Jones, Ext. 4237 or *ejones@bnl.gov*. Or, attend the show for a fun evening. See notice below, left.

Thursday, 7/23

***Adopt-a-Platoon Benefit Car Wash**

11:30 a.m.-1:30 p.m. Firehouse. See notice below, left.

Sunday, 7/26

Summer Sundays: Featuring Family Fun & Firehouse

10 a.m.-3 p.m. Interactive displays at Berkner Hall and BNL's Science Learning Center and Firehouse. See pg. 4 and also *http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=977*.

— WEEK OF 7/27 —

Monday, 7/27

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

***Defensive Driving Class, Part I**

6-9:15 p.m. Brookhaven Center. See notice, pg. 2.

Wednesday, 7/29

BSA Noon Recital: Pianofest

Noon. Berkner Hall. Paul Schenly, director of Pianofest, a summer workshop in the Hamptons, will select prize-winning Pianofest participants to perform pianistic showpieces. Sponsored by BSA, the company that manages the Lab, these concerts are free and open to the public. Visitors to the Lab age 16 and over must bring a photo I.D.

Arrivals & Departures

— Arrivals —

Joseph N. Aronson ..... C-AD
James W. Ciston ..... CFN
Edmund Kujawski ..... NSLS-II
Ruben Reininger ..... NSLS-II
Kurt G. Vetter ..... NSLS-II
Gwen Wallasch ..... Fiscal
Muralidhar Yeddulla ..... NSLS-II

— Departures —

None

New BERA Trip

Cape Cod: October 2 – 4. Ferry ride, tours of Martha's Vineyard and the Kennedy compound, shopping, and whale watching or dune buggy ride. Singles: $406, doubles: $350 each, triples: $330 each, quadruples: $315 each — includes transportation, lodging, and some meals. For more information, contact Joann Giambalvo, Ext. 7459, *giambalvo@bnl.gov*.

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 benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible 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. Access current job openings on the World Wide Web at *www.bnl.gov/HR/jobs/*.

To apply for a position, go to *www.bnl.gov*. Select "Job Opportunities," then "Search Job List."

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

COMMERCIALIZATION AND BUSINESS DEVELOPMENT MANAGER (M-3) Brookhaven National Laboratory (BNL) seeks a senior-level professional for a newly created position of Manager for Business Development & Commercialization. Responsibilities include managing the Technology Commercialization Office. Will be expected to play a proactive role in increasing the technological, economic, and/or social impact of the Lab's research efforts and promoting an entrepreneurial culture in and around BNL. Informed by market research and valuation studies, will lead the development of commercialization strategies in support IP capture, licensing, and commercialization activities. In addition, will be expected to work with BNL staff and senior management to cultivate technology partnerships that connect BNL technologies, facilities, and expertise with industrial/commercial entities, including entrepreneurs, venture capital, and small businesses with the aim of advancing the commercial prospects of new technologies. Requires a bachelor's degree in an engineering or scientific discipline and 10+ years' relevant commercial/business experience(s). Advanced degree, MBA, entrepreneurial, start-up and/or venture capital experience is desired. Office of Policy & Strategic Planning. Apply for Job ID #14958.

PROJECT ENGINEER/EXPERIMENTAL DESIGN & CONSTRUCTION (P-9/P-10) - Requires a bachelor's degree in an engineering discipline or closely related field of study, although a master's degree would be typical. Minimum of 15 years of progressively responsible related work experience including outstanding achievements in project engineering leadership in the design and construction of large-scale projects, preferably scientific in nature, is required. To be considered for the P-10 level classification, internal candidates are required to have worked at least five years as a Project Engineer I, and, for external candidates, an equivalent. Demonstrated application of advanced project management techniques or certification as a Project Management Professional (PMP) is required. Extensive experience in engineering analysis techniques and the use of Finite Element Analysis (FEA) tools such as ANSYS is required. Experience should include proficiency with 3-D modeling software such as Inventor or ProE. Must have attained distinction by specific outstanding engineering achievements through sustained superior level of engineering endeavors. Will be involved in leading efforts toward meeting the near-term goals of developing a conceptual design report and establishing project management controls and policies for the Long Baseline Neutrino Experiment (LBNE) detector which is envisioned to be located at the Homestake mine in South Dakota. Responsibilities include planning, cost estimation, schedule development, resource requirements, and conceptual design for the multi-hundred kiloton LBNE detector. Supervision and/or oversight and ability to collaborate with the team of engineers and scientists in this project is essential. As a top project engineering expert, will apply advanced principles to initiate, plan, execute, monitor, control, and close project plans. Requires extensive knowledge of project management and corresponding software tools such as Primavera and Project. These are unique engineering designs where commercially available products are not available. Must be capable of leading and coordinating large multi-institutional collaborative effort and reporting to funding agencies. Will conduct engineering design reviews of project-wide design efforts and report findings to project management and funding agency stakeholders. Must be able to defend project planning and implementation at agency reviews. Will be placed at the P-9 or P-10 level dependent upon depth and breadth of relevant knowledge and skills. Works within the Electronic Detector Group in the Physics Department and reports directly to the LBNE detector project manager. Apply for Job ID #14932.

SENIOR TECHNOLOGY ANALYST (I-5)/ TECHNOLOGY ENGINEER (I-6, reposting) – Requires a BS in engineering, computer science, physics or equivalent and at least one or more years of experience in JAVA programming using LINUX, programming in real time and performance optimization. Must have ability to collect, analyze, and design solutions to programming requirements; and demonstrated ability in executing and deploying projects, communication skills, strong analytical and problem-solving skills, and working effectively with a diverse group of scientists and engineers. Knowledge of instrumentation, steady state control and state transition diagrams, data acquisition, control systems (particularly EPICS) and accelerator controls is highly desirable. Responsibilities include working on a team to design, develop, and deploy accelerator subsystem applications using JAVA under the LINUX operating system. This includes all aspects of the subsystem; gathering and documenting requirements, developing control system tool evaluations, and providing component test, installation, integration, automation and operational support. National Synchrotron Light Source II. ERAP ELIGIBLE $1,000. Apply for Job ID #14825.

SR. STATIONARY ENGINEER (LG-11, reposting) – Requires a BS in marine engineering or similar technical discipline; completion of US Navy, multi-year union, or similar technically accredited program leading to a recognized certificate or license for the operation and maintenance of high pressure steam plants and process control or plant control systems. With degree: requires one year or equivalent of operation and maintenance experience on high pressure steam plants; without degree, requires 10 years of prior experience in the operation and maintenance of high-pressure steam plants and plant controls and controls systems, and at least three years must be as an unsupervised watch stander; at least five years in high pressure steam plants. Requires US Cost Guard License as 3rd assistant engineer steam vessel or higher; NYS or NYC applicable, appropriate license to operate high pressure steam boilers and shift work. Energy & Utilities Division. Apply for Job ID# 14930.

Motor Vehicles & Supplies

05 CHRYSLER 300 TOURING – 82K mi. black pearly, mint, 6 cyl., many extras. $9,500 neg. 929-4978, mjulian@bnl.gov.

04 FORD FOCUS ZTS – 62K mi. 4dr, 5spd, pl, pw,ac, cc, spoiler, am/fm/cd, pwr m/roof, $5,000. 736-0562, mpotocki@bnl.gov.

00 FORD RANGER – 148K mi. sport ed., 4WD, gd cond. $3,000 neg. Robert, Ext. 4028.

98 HONDA CIVIC – 148K mi. 2dr coupe, 4cyl, fwd, a/t, a/c, c/c, pwr locks, am/fm/cd/aux plug in, $2,995 neg. 399-3098.

95 TOYOTA COROLLA – 150K mi. v/gd cond, manual trany,, 4 dr, blk, avail 7/31, moving sale. $600 neg. Ext. 5103.

82 MERCEDES BENZ 300TD STATION WAGON – gd cond, ask $2,200. 576-5102.

67 ROLLS ROYCE SILVER SHADOW – gd running cond. $7,800. 576-5102.

08 WES TRAILER – 7x10, never used! black diamond plate, side dr, back ramp, $2,900 firm. 834-6637, kawibp@hotmail.com.

BEDLINER – For Dodge pickup 1994-2000, 8' bed, fits under bed rails, $100. Joseph, 924-7476.

Boats

8' ACHILLES LEX88 – inflatable boat, wood flrbrds, oars, 1 seat, gd cond. $400. Ext. 5149.

21' SUNRUNNER 210 – 1987~260 MerCruiser, I/O, slps 5-6, potty, new canvs, dual batts, trailer, pics. $5,000 neg. 821-2586.

14' WESTLAKE SUNFISH LIKE – simto Sunfish, w/trailer w/new tires, centerboard, rutter, sail, pics avail. $600 neg. 772-7391.

10' PELICAN PURSUIT 100 SE – it's blue it's fun, only used 3 times, new/$400, ask/$275 neg. Dennis, Ext. 4028, 375-8519.

Furnishings & Appliances

BREAD MACHINE – Grande Cuisine, W. Sonoma, 2lb capac, fruit/nut dispenser, new, in orig pkg, $100/obo. Ext. 5753, 252-3356.

CHAFING DISH – Oval, by Tramontina. 4.2 qt, 2 food pans, 18/10 st/less steel, unused, in orig. pkg, $100/obo.252-3356.

CHEST OF DRAWERS – 4-layer, gd cond, bulky/fairly heavy, u-pic-up, I will help to load it, $75. Ext. 4369, pachord@bnl.gov.

DAY BED - new mttrss, w/pullout, $150;- e'tainmt unit w/4 drs, 2 drwrs/shelves $350; storage/tv cffee tble, $50; pics. 754-7863.

KITCHEN SET – cream colored lacquer w/4 chrs, like new cond, ask/$150, pics avail. Ext. 6253, 445-4027, minter@bnl.gov.

LIVING RM SET – w/cherry wd trimming; 3 ch.wd. tables, 2 ch.wd. lamps; 3 drop rugs, I area rug, pics avail $1,000. 445-4027.

MEDIA CABINET – Alderwood, holds up to 36" TV plus cable, w/2 storage areas pix avail, $200/obo. Ext. 5195, jcarter@bnl.gov.

SOFA, LOVESEAT & OTTOMAN – beige sofa/$150, l/seat/$75; o/man/$25, or all/$200, pics at http://tiny.cc/qOBNx. Ext. 8112.

TV – 52" Sony, 2 yrs old, excel cond, ask/800. 445-4027 or minter@bnl.gov.

VACUUM CLEARNER – Dirt Devil Reaction, almost new, pd/$150, ask/$50. Ext. 3008 or ddaniels@bnl.gov.

Audio, Video & Computers

BOSE SPEAKERS – cabinet type, Series II, excel cond and sound, ask/$75. Cheryll, Ext. 2852 or cheryllc@bnl.gov.

FUJIFILM FINEPIX J20 – black, like new, used once, pd/$130, ask/$100. VCR Player Panasonic, $15. 929-0043.

HDMI CABLE – 12', gold, never used, for high definition reception, $25. 689-9771.

VARIOUS – 27" GE TV, $40; Memorex Portable Karaoke Sys w/2 microphones & CDs, $25/all, Sony boom bx, $20, 929-0043.

Sports, Hobbies & Pets

26" MOUNTAIN BIKE – Titan Trailblazer Men's 18-spd, won in raffle, unused, assembled, $125. Ext. 2746, cohen@bnl.gov.

BIKE – Red, "Huffy", 18 spds, 22", $10. 476-4983 or fine@bnl.gov.

CELLO – Anton Schroetter German-made, vg cond, hard case incl, no bow. $3,700. firm. Stephen, Ext. 4475 or plate@bnl.gov.

GOLF CLUB – Ping G10 Driver, excel cond, $150. Charles, Ext. 2407 or dimino@bnl.gov.

KITTENS FOR ADOPTION – 6 males, 9 wks old, 3 gray, 2 tabby 1 B&W, all vacs & HIV test, playful, need gd home. Cheryll, Ext. 2852 or cheryllc@bnl.gov.

UPRIGHT PIANO – great, "Cable", US made SN 446038, pics avail, $500/obo. 476-4983 or fine@bnl.gov.

Tools, House & Garden

CUSHIONS – never used, outdr, loveseat and chair, dark red, black, gold stripe, $20/both. Kathleen, Ext. 7114.

WATER GLOBES – set of 2 water globes for plants, 8 sets avail, $5/set/obo. Cheryl, Ext. 2272 or conrad@bnl.gov.

Miscellaneous

2000 DUTCHMAN TRAILER – 27'white. Slps 8 w/qn sz bed, kids bunks. Full fridge, stove, m/wave. Stereo, more. Pics on req. $7500neg.553-9741. 345-9489.

ATV-2007 YAMAHA QUAD – '07 Raptor 700R 5 spd, fuel injected, low hrs, excel cond, ask/$5900. Ext. 4520 or doulos@bnl.gov.

CONCERT – 2 tickets to Jonas Brothers, Tue, Jul 21 @ 7:30 pm @ Nassau Coliseum, Section 336. $125/both. Donna, Ext. 2716, 878-2425 or storan@bnl.gov.

INFANT FORMULA – 4 bottles of Similac Advance Shield 32 oz, not opened, ask for 5 Similac formula checks for exchange. 775-8209.

MATERNITY CLOTHES – from Motherhood, lg bag, $60. Ext. 3008 or ddaniels@bnl.gov.

QUILT RACK – black wrought iron, stands on flr. decorative w/shelf on bottom, excel cond, $20. Kathleen, Ext. 7114.

Yard & Garage Sales

26 HURTIN ST. PT JEFFERSON STA – 7/25-Rain Date 7/26. Many items, in working/excel cond. Donna A., Ext. 4599.

MOVING SALE – 7/18 at Villa Dest Drive, furn household items, all excel cond, call for details. Ext. 6253, 445-4027.

Community Involvement

CHINESE AUCTION – 7/10, Village of Patchogue, Patchogue Fire Dept, Jennings Ave 6pm-11 pm, $5 ent fee, incl 25 free tickets, coffee/dessert, food/drinks avail. Donna, Ext. 2826 or donna@bnl.gov.

FARMERS' MARKET ON FRIDAYS – @ MT. Sinai 2-6pm, Heritage Park, corner of 25A & Co. Rd. 83. Organic, local, crafts, more. Support local farmers! Ext. 5090.

Wanted

ADOPT-A-PLATOON – Monetary donations gratefully accepted towards mailing shipments to military overseas. Thank you. Joanne, Ext. 8481 or jrula@bnl.gov.

BNL FAMILY MEMBERS IN MILITARY – If you have a family member that has been deployed overseas, please contact Adopt-a-Platoon. Joanne, Ext. 8481 or jrula@bnl.gov.

LAPTOP AC POWER ADAPTER – looking for Dell pwr adapter PA 16 family for Inspiron B130 laptop, output 19V, 3.16A. Keith, Ext. 6399.

Lost & Found

LOST PINK OVAL EARRING – w/stone in middle & a push back, white color, I wld greatly appreciate if found, it is returned. Iris, Ext. 7697 or yuhongz@bnl.gov.

Mort Rosen CN9-1575-87

The Summer Sunday of July 19 Stars The National Synchrotron Light Source

BNL invites you to attend a new Summer Sundays experience to explore world-class facilities, take the opportunity to speak with researchers, see a different science show each week, and catch a "View from Space" at a hands-on exhibit. Also, enjoy the "Science Laser Light Spectacular" show. Summer Sundays visits are free, handicapped accessible, with no reservations needed. The BNL Cafeteria in Berkner Hall will be open 10 a.m. to 3 p.m. The main gate will be open to incoming Summer Sunday visitors 10 a.m.-3 p.m. Visitors of age 16 and over must bring photo ID.

This Sunday, July 19, the featured facility is the National Synchrotron Light Source (NSLS). Visitors may see the brightest light on Long Island and learn how it is used to look into everything from batteries to viruses. Take a quiz to win a tour of the synchrotron's experimental floor. Presentations about the NSLS are made every 20 minutes in Berkner Hall, Rm. B.

Learn From Experts About Super-Interesting Science

National Synchrotron Light Source II
Learn all about the Lab's plans to build a new world-leading synchrotron light source that will give researchers a competitive advantage in numerous scientific fields that will benefit science and the economy. Berkner Hall, The schedule of talks is as follows:

From Electrons to X-Rays, How NSLS-II Accelerators Make X-Rays
Speaker: Ray Fliller, 11 a.m, Science Education Center, Bldg. 438

What X-Rays Tell Us About L. I. Sediments, Mussels, & Oysters
Speaker: Keith Jones, 11:15 a.m., NSLS Conf. Rm. A

Faster, Smaller, Cheaper: Synchrotron Light for Better Computers
Speaker: Jean Jordan-Sweet, IBM, 12:15 p.m., NSLS Conf. Rm. A

NSLS-II Stimulates Long Island
Speaker: Diane Hatton, 12:30 p.m., Science Educ. Center, Bldg. 438

Casting New Light on Ancient Secrets: X-Ray Technique Sheds Light on Ancient Artifacts
Speaker: Peter Siddons, 1:15 p.m., NSLS Conf. Rm. A

Coming Soon to L. I.: The World's Brightest Photon Microscope
Speaker: Andy Broadbent, 2 p.m., Science Educ. Center, Bldg. 438

X-rays For Early Detection of Alzheimer's Disease
Speaker: Dean Connor, U. North Carolina, 2:15 p.m., NSLS Conf. Rm. A

Lighting a Path to the Future: Student Research at the NSLS on bone disease, ALS, and drug design
Speakers: Alvin Acerbo, Megan Bourassa & Matthew Engel, all of Stony Brook University, 3:15 p.m., NSLS Conf. Rm. A

See the Science Laser Light Spectacular!

Berkner Hall Auditorium: Noon, 1:30 p.m., 3 p.m.

Get Involved in Hands-On Science Fun!

Velocity up; pressure down! Experience the Bernoulli Principle in action, or make your hair stand on end with a Van de Graaff generator — all in the hands-on science room in Berkner Hall, Rm. C, 11 a.m., 12:30 p.m., 2 p.m.

Catch a 'View From Space'

A "View from Space" is an fun new exhibit in Berkner Hall lobby that introduces visitors to the latest Earth-observing satellites. You can send a satellite spinning into orbit around a model Earth — or track a "Hurricane from Space," and more. The exhibit aims to show how interesting it is to view Earth from space.

For Rent

MATTITUCK – 3 bdrm, 2 bath, f/p, new appli, w/d, gar., bsmt, lg yd, move-n-cond, great school, plus sec/util. $2,000/mo neg. 728-0992.

MIDDLE ISLAND – 1 bdrm, l/r, full kit & bath bsmt apt, priv. ent/drwy, strictly no smkg/pet, int/phone, incl all, 1 mo sec, BNL empl only. $800/mo. 672-2451, dioszegi@bnl.gov.

MIDDLE ISLAND – Prvt.1 BR aprt. w/deck all appl., a/c util. & cable incl. 3 mi to Lab no smoking. $1,400/mo. Jim, Ext. 2765 or newburgh@bnl.gov.

ROCKY POINT – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, lndry rm on prem, prkg spot, no smkg/pets, cac, incl. gas/water. $1,150/mo. 806-5965.

ROCKY POINT – Cape, 2/3 bdrms, full bsmt, full yd, walk to beach, gd. cond, 1 yr lease, util extra, avail immed . $1,500/mo. 821-6144 or clanotoole@verizon.net.

WADING RIVER – 1-2 bdrm., full bath, l/r & kit. combo, walk beach/park, R/head SD. Storage in bsmt., shed. Fncd yrd, no smkg./pets, refs, sec. req'd. $1,200/mo. 886-1545.

WADING RIVER – 3 bdrm., renovated, SWR schls, 1 bath, new appls, full bsmt. for storage, laundry, fencd yd, no smkg./pets, refs, sec. req'd., $1,700/mo. 886-1545.

YAPHANK – fully furn. spacious studio apt for one, hi spd int, all util incl, quiet, lovely area, 5 min. to Lab no smkg/pets, avail, 9/1 . $900/mo. 516-205-6712.

For Sale

SO. BAYPORT – Lakefront 4bdrm, 2.5ba, den w/fp, lg rms, igp, lg redwd deck, 2car gar, 2/3acre, cul de sac. $575,000. Helen, 472-0393.

the Bulletin

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On the Web, the Bulletin is located at *www.bnl.gov/bnlweb/pubaf/bulletin.asp*. A calendar listing scientific and technical seminars and lectures is found at *www.bnl.gov/bnlweb/pubaf/calendar.asp*.

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