

Inside BNL's Safety Beltway Bulletin Interview with Jim Tarpinian



R. S. D0010503

As the Laboratory approaches two million hours worked without a lost-time work-injured injury, and as a follow-up to the July 20 million-hour safety celebration event, the Bulletin asked Jim Tarpinian, Assistant Laboratory Director for Environment, Safety, Health & Quality, for his views regarding the current safety climate at BNL and future safety plans.

- Q.** For many months, the Lab was urged to act with safety in mind, and this June, in a month that historically often produced more than its share of accidents, we reached a significant safety milestone. What was the key to success?
- A.** In a big institution, most challenging goals are reached as a result of the efforts of many people over time. We've had multiple events to try and show the tremendous importance of safety, such as the lectures by Charlie Morecraft, group discussions with supervisors during Safety Partnership Week, articles in the Monday Memo and the Bulletin, and the brown-bag lunch meetings on safety at home that we had in June. Any or all of these efforts could have had an effect on individuals, raising the general consciousness of safety. At some point, we reach our goal: the general attitude of mind that safety is worth the trouble it takes. It's worth it for one's family, for oneself, and also, for BNL, because by demonstrating that we provide a safe workplace we free responsible sponsors such as DOE to concentrate on our science.
- Q.** Do you think that the Lab has acquired this "safety first" attitude, and, if so, will it last?
- A.** I'm pleased to say that I've seen evidence of it, but it's a continual process, and we will always be working to improve. Employees made a tremendous effort to meet the Director's one-million hour challenge. People concentrated on best safety practices, watched where they were treading, made sure equipment was properly stored, walked the extra steps to get the correct tools for a job, etc. It's a matter of personal choice: we want all our employees — including managers — to be responsible enough to choose safety over short-term convenience. It may be inconvenient to have to fasten your seat-belt when you are on short runs and have to leave the vehicle every few minutes — but if there is an accident, however unlikely, even at five miles an hour, you can be badly hurt. That situation can be avoided by following the rules, and at BNL, we insist that employees make the choice to follow the safety rules at all times.
- Q.** Are traffic rules so significant?
- A.** Yes, I firmly believe that following traffic and all other safety rules is extremely important. It goes back to my point that we want employees to decide that safety takes precedence over convenience, speed, or any of the other things that tempt one to skip the rules for 'just that one time.' People need to make a personal choice to be safe all the time.
- Q.** What plans do you have to keep encouraging people to live by the safety rules?
- A.** One of the most successful past efforts was the Safety Partnership Week. We want to build on that idea of enhanced communication among workers, managers, and supervisors to improve every aspect of safety on the job. We especially encourage employees to report on anything that they see or experience that can lead to changes to make a safer workplace.
- Q.** Do you believe people will report much? What about their fear of retaliation for reporting?
- A.** Managers and supervisors should reassure people that they want to know about problems so that concerns can be addressed. Managers cannot fix what they don't know about. We should strive to achieve a 'reporting culture' in which people are recognized and rewarded for bringing problems forward.
- Q.** What happens if something goes wrong? How will management react to a mistake that leads to a safety violation and perhaps an accident?
- A.** As in the past, each situation will be looked at on its own merits, but we have learned more about how things can happen that make a "one-rule-fits-all" outcome too simplistic. For example, an incident involving safety last year that resulted in two workers' being disciplined with loss of pay became a source of concern to the Associate Laboratory Director in charge. He initiated a review of the situation and eventually reversed the disciplinary action taken. The workers' pay was restored. Subsequently, the Lab's process for disciplinary action involving serious safety infractions has been revised. It now includes a consultation with my office so that we can determine the level of severity of the unsafe act.
- Q.** To sum up, what is your advice for BNL employees on safety?
- A.** I want, and Lab Director Praveen Chaudhari wants, employees to choose to be safe. They know that for themselves, for their families, and for the Lab, safety is vital, and they will take that extra time and concentration to make safety a personal value, not just a priority. — Liz Seubert

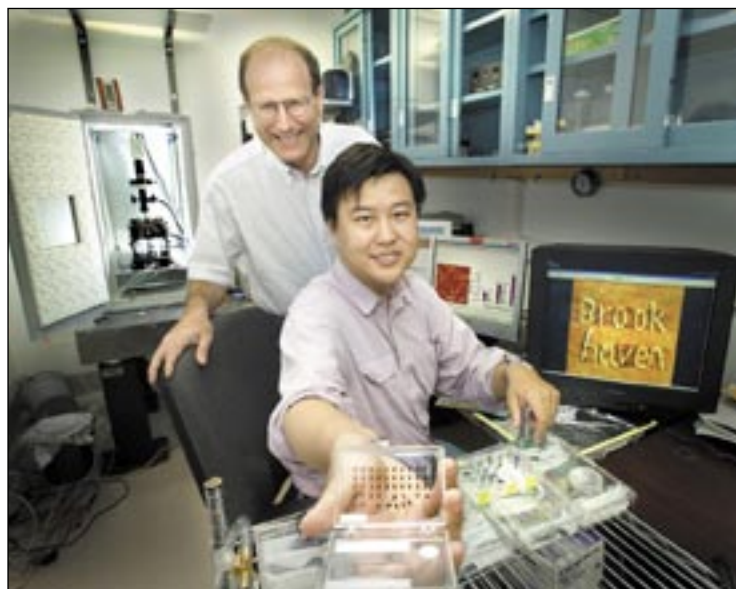
Writing at the Nanoscale

BNL's "Electro Pen" may impact a host of developing nanotechnologies

BNL physicists have developed a new chemical "writing" technique that can create lines of "ink" only a few tens of nanometers, or billionths of a meter, in width. The research is supported by the Office of Basic Energy Sciences within DOE's Office of Science.

"Our new 'writing' method opens up many new possibilities for creating nanoscale patterns and features on surfaces. This may have a significant impact on developing nanotechnologies that involve nanopatterning, such as molecular electronics — tiny circuits built using single organic molecules," said Yuguang Cai of the Physics Department. Cai discussed the method at the 230th American Chemical Society national meeting in Washington, D.C., on August 28.

Cai and his colleague Benjamin Ocko, also of Physics, call the technique "Electro Pen Nanolithography" (EPN). To do some "writing," they sweep a very thin metal tip across a film of organic molecules. The tip carries an electric voltage, which causes the region under it to oxidize, or undergo a reaction that changes the chemical makeup of the film. In a single



Roger Stoulenburgh D1360805

sweep of the pen, organic "ink" molecules are transferred from the tip to the oxidized regions, creating an extremely thin line. Each line is just one molecule thick, but the researchers can produce multilayered patterns by writing over the existing pattern. This gives them the ability to create three-dimensional nanoscale "landscapes." Moreover,

by turning off the voltage, they can use the tip as a tiny "scanner" to "read" and create an image of the pattern just written.

With further research, EPN may have the ability to "write" biomolecular materials, such as proteins, onto surfaces. These nanoscale protein deposits might, for example, serve as biosensors. — Laura Mgrdichian

Scientists Describe New Way to Peer Inside Bacteria

X-rays yield pictures, chemical clues that may help trace contaminants, thwart terrorists

As part of the search for better ways to track and clean up soil contaminants, scientists at BNL and Stony Brook University (SBU) have developed a new way to "image" the internal chemistry of bacteria. The technique will allow scientists to "see" at the molecular level how soil-dwelling microbes interact with various pollutants. The method might also help scientists better understand and prevent bacterial diseases, or find ways to detect or disable bacteria used in a terror attack.

The work is a collaborative effort of the Center for Environmental Molecular Science — which consists of scientists from SBU, BNL, and the University of Guelph in Canada. Drawing on the expertise of microbiologists, chemists, and physicists, it crosses traditional boundaries between scientific disciplines to address problems of global significance. The work was funded by the U.S. National Science Foundation and the Environmental Remediation Sciences Division within DOE's Office of Science.

"The more we learn about soil microbe chemistry, the better we'll be able to predict the movement of contaminants in the environment," said Jeffrey Gillow of BNL's Environmental



Roger Stoulenburgh D1360805

Sciences Department. "What we learn might also suggest new ways to harness microorganisms to immobilize things like heavy metals and radioactive contaminants," he said. Gillow gave talks on the new method at the 230th national meeting of the American Chemical Society, as well as at the Research, Education and Outreach meeting in the National Science Foundation Environmental Molecular Science Institutes, both on August 29, in Washington, D.C.

Called x-ray spectromicroscopy, the method uses the extremely bright x-rays available at BNL's National Synchrotron Light Source (NSLS) — but not just to take pictures. At the NSLS, scientists can actually "tune" the energy level of

the beam to measure subtle differences in the energy absorbed by different forms of carbon. This carbon absorption spectrum, or "fingerprint," reveals detailed biochemical information about what is inside and around the bacterial cells — and can even detect the formation of bacterial spores at an early stage invisible to other methods.

"We are starting to learn a lot more about the molecular chemistry of these bacteria," said Gillow. "The goal is to understand better how they interact with metals and radionuclides."

The technique may also reveal details about the process of bacterial spore formation. This could be important to environmental cleanup because spore-forming microbes often live in contaminated environments. It might also offer new targets for the detection of weaponized bacteria (by finding spores at an early stage), or help thwart disease or a terrorist attack by finding ways to prevent the spores from germinating into active, infective bacterial cells.

With this technique, Gillow added, samples can be studied wet or dry, without staining, sectioning, or any other intervention such as those used in electron and fluorescence microscopy.

— Karen McNulty Walsh

CALENDAR

OF LABORATORY EVENTS

- The BERA Sales Office is located in Berkner Hall and 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 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/.

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Wed., & Fri.: Tai Chi

Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Meet in the gazebo in the apartment area. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/default.htm.

Tues., Wed. & Thurs: Rec Hall Activities

5:30-9:30 p.m. General activities, large-screen TV, ping pong, chess, games, and socializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Meet in the apartment area playgroup. Fang Dong, 871-5362.

Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga

Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Ballroom Dance Class

\$30/person/6-week series. Brookhaven Center, North Ballroom. Beginner merengue at 6 p.m., advanced foxtrot at 7 p.m. Instructor Giny Rae. Call John Millener, Ext. 3853; or Madeline Windsor, Ext. 5069.

Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholc, Ext. 2027.

Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

— THIS WEEKEND —

Sunday, 9/25

BERA-Sponsored NASCAR Trip

Dover, Delaware. Cost of \$110 per person includes great seats and luxury coach bus. Advance reservations are necessary and can be made at the BERA Store, weekdays, 9 a.m.-3 p.m. See also www.nascar.com.

SBU Student Wins Chasman Scholarship

Ismat Mahmood, a student at Stony Brook University (SBU), has won the 2005 Renate W. Chasman Scholarship for Women. Brookhaven Women in Science, a not-for-profit organization at BNL, offers the scholarship to qualified candidates annually to encourage women to pursue careers in science, engineering or mathematics.

Named after the late Renate Chasman, a renowned physicist who worked at the Lab, the \$2,000 scholarship is awarded each year to a re-entry woman — one whose college education was interrupted, but who has returned to pursue a degree on a half time or greater basis.

Mahmood was a full-time undergraduate student, majoring in mathematics and statistics at the University of Karachi, Pakistan, before she moved to the U.S. with her family in 1996. Since family funds were tight, Mahmood enrolled in only one course each semester at a community college in Fullerton, California, and she found work as a bank teller. She married in 1999, soon afterwards moved to New York, and, in 2002, gave birth to a son. While she stayed home to care for him, she yearned to return to academia. When Mahmood learned that SBU had a child-care center on campus and that she qualified for financial aid, she again became a full-time student, in the fall of 2004.

Currently, Mahmood is a senior at SBU, majoring in applied

Ismat Mahmood (second from left) accepts a plaque honoring her as the 2005 Renate W. Chasman Scholarship for Women recipient from Loralie Smart (second from right), co-coordinator of Brookhaven Women in Science (BWIS) with Pat Williams (left). Joining them are BWIS board members Kathleen Barkigia (center) and Vinita Ghosh (right) who, with Smart and Williams, are in charge of BWIS scholarships.

mathematics and statistics. During the fall 2004 semester, she also worked as a research assistant in the Department of Psychology. This summer, she was an intern at the Massachusetts Institute of Technology, where she worked on a project in operations research under the guidance of scientists and engineers.

Mahmood wishes to obtain a Ph.D. in applied mathematics and statistics and become a university professor. “I cannot live without the challenge of a difficult, mathematically oriented problem from real life and the exciting process of trying out different approaches to solve it,” she said. “So, during all the

rocky and passionate years of courting my favorite subject, I knew I was headed towards a career in mathematical research.”

Mahmood tutored elementary school children in mathematics and science while she was a high school student in Pakistan, so, reflecting on that experience, she continued, “Teaching also gives me a great sense of accomplishment and gratification. I would find no profession more rewarding than becoming a university professor and researcher, as it would allow me to quench my thirst for knowledge while at the same time make a positive difference in other people’s lives.” — Diane Greenberg

Beware: Tick Larvae Bites

In recent weeks, the Occupational Medicine Clinic (OMC) has seen and received reports of a number of individuals with itchy bites consistent with tick larvae. The bites occurred after employees had spent time standing or walking in grassy areas and areas where there is brush. The larvae are barely visible to the naked eye and move quickly. Bites are found on the legs and in moist areas of the body or near skin folds.

Preventive measures:

- Pedestrians: use sidewalks, avoid grassy areas or brush.
- Outdoor workers: tuck pant cuffs into boots, roll work socks over pant cuffs, or wear seamless coveralls without any gaps permitting access to skin of the lower legs.
- Apply insect repellents containing DEET around pants cuffs, work boots area.
- After work, shower and thoroughly wash with soap and water all areas of potential skin exposure and bites. Wash all clothing promptly in hot water and detergent, or seal in plastic bags until they can be washed.
- Treatment of bites: Control itch through ointments of benzocaine, hydrocortisone, calamine lotion, Chigairid, or “New Skin” liquid bandage. Oral benadryl can be helpful but should not be used at work or before driving or operating machinery due to drowsiness. Employees can also come to OMC.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL today, Friday, 9/23, and on Tuesday, 9/27, to answer employees’ questions about financial matters. For an appointment, call Kathy Murphy, (866) 842-2053, Ext. 4625.

Vanguard One-on-One Retirement Planning

The Vanguard Group invites BNLers to spend 45 minutes one-on-one with a licensed Vanguard representative on Wednesday, September 28, at the Lab, to talk about financial issues. Schedule a 45-minute session online at www.meetvanguard.com or call 1-800-662-0106, Ext. 14500.

Fidelity Investment Counseling, 9/29

A Fidelity Investment representative will be available at the Lab on Thursday, September 29, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 30-minute appointments by calling (800) 642-7131.

Softball Party, 9/30

The BERA Softball League End of Season Party that was scheduled for Friday, September 30, from 6 to 10 p.m. at the Rock Hill Country Club has been cancelled due to an inadequate number of ticket sales. Those BNLers who purchased tickets may pick up their refund at the BERA Sales Office in Berkner Hall.

Elder Law Seminar, 9/27

Join Nancy Burner, former President of the Suffolk County Women’s Bar Association and a member of the National Academy of Elder Law Attorneys, as she presents a seminar on elder law on Tuesday, September 27, noon -1 p.m., in Berkner Hall.

Burner will discuss the need for health care proxies, living wills, and power of attorneys. She will describe how to protect your assets and will present an overview of the complex government rules that affect Medicare and Medicaid reimbursements. She will also emphasize how proper planning can allow you to preserve your estate by reducing taxes when assets pass to the next generation, naming designated beneficiaries on retirement accounts, and protecting your descendants from divorce, creditor problems, unexpected illness, and sometimes saving them from themselves.

Preregistration is required to attend this seminar. Check your mailbox for registration forms. Return completed forms to Michael Thorn, Bldg. 490.

Arrivals & Departures

— Arrivals —	
Anthony Bollinger	Mat. Sci
Jill Carney.....	CEGPA
Jean Jakoncic.....	NSLS
Yingzi Wu	Physics
— Departures —	
Mu-Chun Chen	Physics
Susan Chyczewski	CEGPA
Nicholas Mercado.....	Plant Eng.

BWIS Seminar Rescheduled to 9/29

Mentoring Programs for Women in Science

A Brookhaven Women in Science seminar that was to be given by Mary Pavone, Director of the Women in Science Project at Dartmouth College, on “Shaping the Circle of Science with Mentoring, Active Learning & Community,” last month has been rescheduled. It will be held on Thursday, September 29, at noon, in Berkner Hall. All are invited. For more information, contact Lynne Ecker at Ext. 2538, or lecker@bnl.gov.

CPR Training Offered for Employees

Respond to Heart Attack, Stroke, Cardiac Arrest, Choking

Cardio-pulmonary resuscitation (CPR) is required for some jobs on site. However, CPR training is also available to all employees at no charge.

The training covers the basic techniques of adult CPR, including the use of an automated external defibrillator — such as the defibrillators located around the BNL site and in other public places such as schools. In addition, trainees will learn the signs and actions to take for four major emergencies: heart attack, stroke, cardiac arrest, and choking. Priority for registration is given to employees who require this training for their jobs, but open slots are routinely available for other employees who want to attend. To register or see course schedule information, go to <http://training.bnl.gov/>, or write to training@bnl.gov. Check with your supervisor first for permission to attend as CPR courses are offered during work hours.

BREA Seeks Nominees for Officers

The Brookhaven Retired Employees Association (BREA) is seeking nominees to serve as officers for the 2005 – 2006 year. Current officeholders are: Treasurer, Barney McAlary; Secretary, Alyce Daly; Vice President, Lew Jacobson; and President, Joyce Tichler.

Any member may apply to the nominating committee to be on the slate, and any member may nominate someone. A brief biography should accompany each nomination, as well as an agreement to serve. Nominees should be members in good standing.

Send nominations to the BREA office, Building 475C. Questions can be addressed to the telephone answering-machine at 631-344-2707, and every effort will be made to supply a timely response.

In Memoriam

William Trent, who had joined the Alternating Gradient Synchrotron Department on November 19, 1973, as a technician II, died on August 16, 2005, at age 59. In April 1975, Trent became an experimental machinist apprentice in a program run by BNL’s Personnel Division, and in June 1979, he moved to the Central Shops Division as an experimental machinist. Promoted in July 1981 to tool and instrument maker, he left the Lab on June 9, 1989.




Pine Barrens Research Forum

“Pining for the Forest of Old”
Thursday, October 6
Berkner Hall
8:30 a.m. - 4:30 p.m.

All are invited to this free event, which is sponsored by: the Central Pine Barrens Commission, BNL, the Long Island Groundwater Institute at Stony Brook, and the Foundation for Ecological Research in the Northeast (FERN).

The agenda will include a welcome from Lab Director Praveen Chaudhari and Peter Scully, Central Pine Barrens Commission Chair & Governor’s Representative; then talks on: “Parks Twinning White Paper;” “Central Pine Barrens Forest Health Monitoring;” a poster session; “Plant Invasion in the Pine Barrens: Why isn’t it worse?” “Recovery after the Fire;” “Recovery of Pitch Pine Population: Ten years after the Fire;” “The Relationship of Soil and Water Chemistry of Select Wetland Habitats in the Long Island Pine Barrens;” and “The Central Pine Barrens Fire Atlas.”



Mentors Wanted for Little Flower School

Children from the Little Flower School would benefit from mentoring relationships with BNL employees or retirees. If you are interested in learning more about this possibility, contact Terrence Buck, Human Resources & Occupational Medicine Division, Ext. 8715 or tbuck@bnl.gov.

Dance Social, 9/30

On Friday, September 30, hustle into the Ballroom, Latin, Swing, and Hustle Dance Social at the North Ballroom, Brookhaven Center, sponsored by the BERA Social & Cultural Club (SCC), with live music by Louis del Prete and his band “FAME,” back by special request. Rudy Alforque will give a complimentary 45-minute dance lesson at 7 p.m.; the band will perform from 8 p.m. to midnight with DJ music in between sets. Admission is \$15 for BERA members, students with ID, and SCC and Swing Dance Long Island members; \$20 for others. The cost includes cold buffet, dessert, and refreshments. Visitors must present a picture ID at the main gate. For more information contact Rudy Alforque, Ext. 4733, or rudy@bnl.gov.

Latin Dance, 10/14

All are invited to celebrate Hispanic Heritage Month at a Latin Dance on Friday, October 14, at the Brookhaven Center, 7 p.m.-midnight. Sponsored by BERA's Hispanic Heritage Club and Social & Cultural Club, the evening will start with free dance instruction 7-7:45 p.m., then continue with general dancing to music by DJ Alex. At 9 p.m., guest dancers will perform Salsa, Merengue, and Tango. A cold buffet will be served. Tickets are \$12 in advance at the BERA Sales Office in Berkner Hall; \$15 at the door. Visitors to the Lab of age 16 or over must carry a photo I.D.

First Annual Block Party, 10/2

BNL's first annual block party will be held on Sunday, October 2, from noon to 4 p.m. at the gazebo in the apartment area. All are invited. If there is bad weather, then the event will be moved indoors to the Recreation Hall. Food, music, dancing, children's games and a “bouncy house” will be provided. Attendees are asked to bring a dessert to share. For more information, contact Jennifer Lynch, Ext. 4894; or Christine Carter, Ext. 5090.

JPMorgan Chase Corporate Challenge 2005

On July 26, 36 BNL runners and walkers participated in the 2005 JPMorgan Chase Corporate Challenge at Jones Beach. Competition was stiff again this year, as 7,252 competitors from 241 Long Island companies sought the coveted invitations to the October championships on Park Avenue, New York City.



The heat and humidity did not stop the team of Weimin Zhou, Betty Elder, Lisa Jansson, and Christine Brakel from completing the 3.5 mile course in a total time of 1:57:27, getting them 9th place in the Women’s Division and a berth in the Championships. “Congratulations!” says James Marron of the Business Systems Division, who organizes BNL participation in this annual event. “The post-race party was a big success,” continues Marron. “Everyone had plenty to eat and drink and, having completed the race, there was no guilt. The music played on long into the evening. It was a great time!”

Footnote: To participate next year, save the date: July 25, 2006.



BERA Trips, 10/22; 11/5,

Buy tickets for BERA trips at BERA Sales Office, Berkner Hall.

Saturday, October 22

Bear Mountain State Park in the Hudson Valley. Enjoy the Oktoberfest, ice skating, fall foliage, hiking, museums, more. \$10 per person pays for the luxury coach, pay as you go for all attractions. Leave BNL at 9 a.m., leave Bear Mountain at 4:30 p.m. For more information, see <http://nysparks.state.ny.us/events/info.asp?eventID=1254>.

Saturday, November 5

Peddler's Village-Lahaska, Pennsylvania. Enjoy tax-free shopping in 70 specialty shops featuring gourmet foods, toys, handicrafts, home furnishings, collectibles, leather goods, flowers, and more; see www.peddlersvillage.com/. A free Apple Festival will be held 10 a.m. to 6 p.m., with craftspeople, live entertainment and pie-eating contests. Enjoy apple treats including apple butter, cider, dumplings, and fritters. \$20 per person pays for the luxury coach. Leave BNL at 8 a.m., leave PA. at 5 p.m.

Information Session, 10/6

BNL's Payroll-Deducted Savings Bonds

Representatives from National Bond & Trust Company will be at BNL on Thursday, October 6, 9 a.m.-1:30 p.m., in Berkner Hall, to answer questions and assist employees in enrolling in the payroll-deducted savings bond option. For more information, contact the National Bond & Trust Office at 516-797-6970, www.mbtco.com.

Healthfest 2005

Health, Fitness & Safety

October Is Healthfest Month

Once again, Healthfest, BNL's annual health, fitness and safety fair, is being held throughout October, starting with Safety Day on Monday, October 3, followed by an agenda of walking, running, biking, swimming, humorous videos, a biathlon, and more. Register now for activities at Health Promotion website: www.bnl.gov/hr/occmcd/HPP.asp.

Join Jazzercise Classes

Jazzercise classes began last week. However, it's not too late to join. BNLers may attend the classes at any time for a prorated fee. If you have never tried Jazzercise before, you are welcome to attend a free trial class. The one-hour classes start promptly at noon in the Recreation Hall in the apartment area every Tuesday and Thursday. For more information, contact Joanne Rula, Ext. 8481.

BERA Cycletrons, Camping Club News Double Fun With Joint Meeting

Members of the BNL Cycletrons Motorcycle Club held their Ninth Annual Club barbeque on Saturday, September 10, at the gazebo in the ballfields. And, for the fourth year, the BNL Camping Club, with their families and friends, joined them. Updated power & lighting, new grills and picnic tables make the gazebo an attractive weekend camping spot which the many families spending the weekend greatly appreciated. The group took a short break from the festivities to give thanks. John Waide, son of Neil Waide, played the bagpipes, and Dena Dusek read a remembrance to those lost during the September 11, 2001, tragedy.

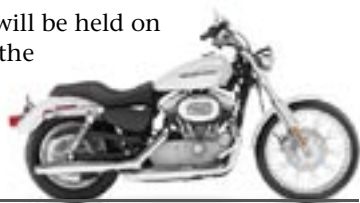
Competitions and games were held for children and adults. Many club members now include their grandchildren in the fun.

For more information on these clubs, visit their web sites at: www.bnl.gov/bera/activities/mcycle and www.bnl.gov/bera/activities/camping.



Next Cycletrons Club Meeting, 10/6

The Cycletrons' next meeting will be held on Thursday, October 6, at 5 p.m. at the Brookhaven Center. For more information, contact Frank Dusek, Club president, Ext. 2022, or dusek@bnl.gov.



Next Camping Club Meeting, 10/10

The next Camping Club meeting will be at the gazebo, at noon on Monday, October 10. Says Tom Seda, Club president, “We will briefly submit Executive Board nominees for the December election, then discuss the October 21-23 Halloween camp out at the gazebo, which is closed and heated for cold-weather camp outs. ”

Seda explains that the Halloween camp out coincides with the Orionids Meteor Shower. Planned events will include a showing of *The Village* on the big screen at the gazebo, bobbing for donuts for children and adults, a slow bike race, hot cider, a ‘bring-a-dish’ potluck supper, trick or treating at the rigs, 50/50 raffle, best costume prize, and an afternoon outing to pick pumpkins.

All are welcome to come to the October 10 meeting. New members will be offered a 15-month 2005-2006 sign-up special, which includes two Halloween camp outs, two “deep-fried turkey” camp outs, and two holiday parties, all for \$17.

Tip of the Month On-Site Service Station

New York State inspections, oil changes, checks and replacements on batteries, brakes, and tires, and much more can all be done at the on-site service station, Upton Industries, Inc., while you are at your desk. For this convenient service, call Ext. 4034.

CALENDAR (continued)

— WEEK OF 9/26 —

Monday, 9/26

*Talk on ‘Reason in Vedanta’

3:30-5:30 p.m. BERA's Indian American Association and Asian Pacific American Association sponsor a talk on “The Use of Reason in Vedanta,” by Swami Saraswati. See notice, page 4.

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. Members are urged to make every effort to attend this important meeting.

Tuesday, 9/27

*Elder Law Seminar

Noon-1 p.m. Berkner Hall. Nancy Burner, National Academy of Elder Law Attorneys, will give a seminar on elder law. See notice, page 2.

Thursday, 9/29

*Talk: Mentoring Women in Science

Noon. Berkner Hall. Brookhaven Women in Science will sponsor a talk by Mary Pavone, Dartmouth College, on “Shaping the Circle of Science with Mentoring, Active Learning & Community.” All are welcome. See notice, page 2.

Friday, 9/30

*TGIF @ Brookhaven Dance Social

7 p.m.-midnight. Brookhaven Center North Ballroom. Sponsored by BERA Social & Cultural Club and Swing Dance Long Island. 7-7:45 p.m., complementary dance lesson by Rudy Alforque. 8 p.m. live music by Louis del Prete and his band “FAME.” Admission of \$15 for members, \$20 for guests. Cost includes cold buffet, dessert, refreshments. Rudy Alforque, Ext. 4733 or rudy@bnl.gov.

Saturday, 10/1

Defensive Driving Course

9 a.m.-3:30 p.m. Berkner Hall, Room B. Open to BNL, BSA, and DOE employees, BNL facility-users, and their families. To register, send \$30 per person, in the form of a check made payable to NYSTA, to: NYSTA, c/o Don Kelley, P.O. Box 185, Selden, NY 11784. Be sure to write the course date on the check and include your phone number in case you need to be contacted.

Sunday, 10/2

*First Annual Block Party

Noon-4 p.m. Gazebo in apartment area. All are welcome. Food, music, dancing, children's games. Bring a dessert to share. See notice below, left. Jennifer Lynch, 4894, Christine Carter, Ext. 5090.

— WEEK OF 10/3 —

Monday, 10/3

BNL's Healthfest Month Begins

See Health Promotion website www.bnl.gov/hr/occmcd/HPP.asp, register now for many activities.

Wednesday, 10/5

Sams Club Demo

11 a.m.-2 p.m., Berkner Hall Lobby. Representatives from Sams Club will present BNLers with discounted membership rates and other special offers on their products and services. For more information, contact Kim Neuss, 447-0253.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

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/.

The Deputy Director has exempted the following positions from the freeze:

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

TB3102. ADMINISTRATIVE SERVICES ASSISTANT (A-2) – Requires a minimum of four years' administrative experience, at least one of which should be utilizing DOE's Foreign Travel Management System (FTMS) In addition, PeopleSoft Travel, excellent written/oral communication skills, excellent organization skills and comprehensive knowledge of Laboratory policies and procedures are also required. Must also be able to work independently, function effectively as a team member, use MS Word, Excel and Outlook, and exercise good judgment as backup to the Official Point of Contact for foreign travel. Responsibilities will include the review/completion of DOE's Request for Foreign Travel and PeopleSoft Authorizations, assisting in updating the SBMS Foreign Travel subject area, updating the Foreign Travel Office web page and provide foreign travel guidance for the travelers and their departments. Fiscal Services Division.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK3569. ASSISTANT PHYSICIST – Requires a Ph.D. in theoretical elementary particle physics and a strong research record. Position is with the High Energy Theory Group, which has active programs in electroweak physics, collider physics, B-Physics, perturbative QCD, spin physics, lattice QCD, and physics beyond the Standard Model. Under the direction of A. Soni, Physics Department.

MK4112. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in a relevant field such as electrical engineering (electronics background or minor a plus), at least three years' relevant experience in silicon/CZT or other semi-conductor crystal evaluations, and familiarity with crystal growing techniques and a firm materials science understanding of semi-conductors. In addition, requires excellent oral and written communication skills and familiarity with MS Word. Familiarity in testing CZT as a detector material for possible detector applications, including experience and proficiency in cleanroom techniques, scanning electron microscopy techniques, use of the NSLS beam lines as crystalline investigation tools, single crystal polishing techniques, and thermal diffusion deposition techniques are highly desirable. Under the direction of P. Vanier, Nonproliferation & National Security Department.

NS3443. MANAGER II (I-11)/COMPUTER PROTECTION PROGRAM MANAGER – Requires a bachelor's degree or higher in computer science or engineering, with an emphasis in operating systems or computer security, or equivalent combination of education and experience. Requires twelve years' relevant experience that should include experience in managing cyber protection in a large multi-platform networked environment. Experience in creating substantive computer and network security policies, plans, and assurance documents is necessary, as is demonstrated ability to manage a technically advanced staff of IT professionals. Experience in project management and excellent interpersonal and written communication skills is required; familiarity with current Government and DOE unclassified cyber security policy and certification in information systems security is desirable. Will manage the BNL Cyber Security Program, design the BNL cyber protection strategy, and oversee security projects and initiatives. Information Technology Division.

TB3425. BUDGET SPECIALIST (A-6, reposting) - Requires a bachelor's degree in accounting, business administration, or equivalent, four years' relevant experience, and excellent written and oral communication skills. Proficiency in Excel and

other MS Office products, experience with PeopleSoft Financials including Budget, Forecast, and Queries and Reports also required. Responsibilities will include budgeting and financial analysis for entire DOE's Basic Energy Sciences (BES) funding, forecasting and labor cost distribution, and rate development. Ability to work in team-oriented atmosphere that will provide support for the entire BES Directorate which includes the Chemistry Department, the Center for Functional Nanomaterials, and the combination of the Material Science Department and the Condensed Matter Group within the Physics Department. Basic Energy Sciences Directorate/Business Operations Office.

MK3838. HUMAN RESOURCES REPRESENTATIVE (A-4 - Immigration Specialist) Requirements include a bachelor's degree or equivalent experience, two years of directly related experience, excellent interpersonal and communication skills both oral and written and in-depth knowledge of immigration law. Experience assisting foreign nationals with the processing and completion of all documentation for varied types of visas, including J-1, H-1B, B and TN is necessary; experience processing employment-based permanent resident petitions is highly desirable. Will be responsible for handling an extensive base of prospective employees requiring employment visas and continuously assisting these individuals with all visa-related concerns, questions, and travel issues. Work involves extensive interaction with scientific staff, department managers, and other employees. Human Resources & Occupational Medicine Division.

NS2701. PUBLIC AFFAIRS REPRESENTATIVE (MUSEUM EDUCATOR) (A-4) (Part-time/50 percent) – Requires a bachelor's degree, master's degree preferred, in elementary education and experience in the Inquiry method. Strong interpersonal and communication skills, with the ability to work well in and adapt to diverse group settings, are necessary. Knowledge of MS Word and Outlook programs required; Middle School experience and informal education experience are a plus. Will be responsible for teaching science programs in the BNL Science Museum and in Suffolk County Schools. Community, Education, Government and Public Affairs Directorate.

Motor Vehicles & Supplies

02 NISSAN MAXIMA - SE, V-6, 6spd, leather, m/roof. 38K mi. \$12,800. Ext. 3434.

02 HARLEY DAVIDSON CUSTOM SPORTSTER - showroom cond. 1400 mi. \$6,000/neg. 874-0404.

00 MAZDA 626 LX - tan, a/c, p/s, p/w, c/c, am/fm/cd, 4cyl, a/t, excel. cond. 66K mi. \$5,500/neg. Zvi, Ext. 2484 or Ext. 1061.

00 DODGE SILVERADO - Twincab pickup., full body Kit, high pwr. sound system, fully loaded. 63K mi. \$11,800/neg. 654-2653.

99 TOYOTA COROLLA - dark blue, dealer serviced, excel. cond. 114K mi. \$4,995/neg. 514-9871.

98 HONDA CIVIC EX COUPE - black, 2-dr, new tires & batt., s/roof, all pwr., 82K mi. \$5,900/neg. Ext. 4705 or 929-4978.

95 JEEP GRAND CHEROKEE - runs well, needs body wk. 175K mi. \$2,500/neg. 803-2036.

95 CHRYSLER SEBRING LXI V6 - all pwr., rem. lock, V6 Mitsa engine, lthr. int., maint., below KBB 106K mi. \$3,000. 240-9749.

94 PONTIAC FIREBIRD - mint, 6cyl. new tires, batt. & stereo. 101K mi. \$4,500. 828-6459.

94 SUZUKI 125 CC - Flyscreen & Fork Bag, Port Jefferson area, call after 8 p.m. 3,000 mi. \$750/neg. 473-8716.

93 FORD TEMPO - Runs v. well. 26mpg. 4dr, V6, 3L, p/s, p/b. 130K mi. \$800/neg. Ext. 3859.

91 HONDACIVIC - red, 2dr. hbk. 5spd. a/c am/fm/cass. 2 snow tires, new tune up, well maint, excel. cond. 151K mi. \$1,300. Ext. 5433.

91 HONDA CIVIC - 2dr. hbk. 5spd. a/c am/fm cass. good cond. 151K mi. \$1,300. Ext. 5433 or waledemam@yahoo.com.

91 CHEVY S10 BLAZER - 4.3L 4wd., new alt., starter & batt. Just tuned. \$1,125/neg. 872-2788.

90 TOYOTA CAMRY LE - 6cyl w/all options, good mileage, well maint, reliable, excel. running vehicle. 744-8386.

87 PONTIAC GRAND AM - Good cond. \$300/neg. Shane, Ext. 7235 or 345-0063.

85 CORVETTE COUPE - red. 4 spd, all pwr., removable top, always gar., excel. cond. 42K mi. \$7,900. Ext. 7786 or 929-5676.

Boats & Marine Supplies

10-ft MONARCH JOHN BOAT - . \$250/ neg. Dan, 236-3542.

22' CATALINA C22 - 1973 Swing Keel, good cond. \$1,200/neg. 379-4036.

Furnishings & Appliances

CHAIR-AND-A-HALF - (bigger than a chair, but smaller than a Love Seat) Blue fabric, you pick up. \$50/neg. Peter, Ext. 3909.

COUCH, LOVESEAT - \$200; cradle w/shts, bumper, \$55; Chgning tbl., \$40; TVs, 25" \$50, 20" \$30; more, neg. Anatoly, Ext. 4375.

Vazquez Talks on Health Risks for Astronauts, 9/28

NASA-BNL Space Radiation Laboratory Program



Space travel is a fascinating prospect, but astronauts face potential health risks associated with exposures to cosmic rays during long-term deep space missions such as missions to the Moon, Mars and asteroids.

Researchers such as Marcelo Vazquez of the Medical Department study these risks at the National Aeronautics and Space Administration's (NASA) Space Radiation Laboratory at BNL.

In a talk sponsored by the BERA Hispanic Heritage Club in

celebration of Hispanic Heritage Month, Vazquez will discuss "Radiation risks for astronauts beyond low Earth orbit: NASA-BNL space radiation program," in Berkner Hall on Wednesday, September 28, 11:45 a.m.-12:45 p.m. All are welcome to attend this free talk.

In his talk, Vazquez will focus on the current plans for human exploration as well as the importance of determining radiation risks and mitigation techniques (shielding and medical countermeasures). NASA and National Space Biomedical Research Institute radiation research will be described.

IAA, APAA Sponsor Lecture on Vedanta, 10/26

Swami Dayananda Saraswati, distinguished teacher of Vedanta and Sanskrit, will talk on "The Use of Reason in Vedanta," on Monday, September 26, in Berkner Hall, 3:30-5:30 p.m. All are welcome at this free lecture, which is sponsored by BERA's Indian American Association (IAA) and Asian Pacific American Association (APAA).

Saraswati has been teaching Vedanta for more than fifty years. Under his guidance, centers for Vedic teaching have been founded in India at Rishikesh and Coimbatore and in the U.S. at Saylorsburg, Pennsylvania. Currently, more than 100 centers in India and abroad carry on the same tradition of Vedantic teaching.

Saraswati has participated in international forums such as the United Nations 50th Anniversary Celebration in October 1995; the Millennium World Peace Summit in which he headed the Hindu delegation at the United Nations in New York, September 2000; the World Council of Religious Leaders launched at the United Nations in Bankok, June 2002, which he co-chaired; and many more. He was the keynote speaker at the World Youth Peace Summit in Kyoto, Japan, in 2003, and in Nairobi, Kenya, in 2004.

For more information, see www.arshavidya.org or contact Vatsal Bhatt, Ext. 5453, or Ila Campbell, Ext. 2206.

FURNITURE - pine, early Amer. hutches, prof. office desk, etc., best offer(s). 208-0408.

LOVESEAT - trad., floral design upholstery, good cond., pics available. \$30. Ext. 3621.

MATTRESSES - like new, king, twin, children's bed, 2 queen Tempur-Pedic, 928-5185.

SMALL REFRIGERATOR - Apartment or dorm size. Susan, Ext. 7235 or 399-7997.

SUITCASE - Samsonite, black, expandable 30" upright suiter. Used once. \$95. Ext. 5322.

VACUUM CLEANER - Oreck model XL, upright, good cond., ask \$95. 208-0408.

VCR, TV, REFRIG. - Panasonic VCR \$15; Sharp 14" TV \$50; refrig. \$50, <http://tinyurl.com/9qncw>. Ext. 8485 or 821-2260.

Audio, Video & Computers

2.2 GHZ DKTp PC, 1GB RAM - DVD Brnr, DVD drve, kybd., WinXPPro, Off2K3Pro, 256MB video, more, ask \$700. 471-2991.

AMPLIFIER: - Univox bass amp, 50 watts, 15" speaker, separate head, 2 inputs, excel. cond. \$50. Peter, Ext. 2913.

DVD & VCR - Sanyo, model dvw-7100, 1 year in use, \$60. Zvi, Ext. 2484/1061.

INK CARTRIDGES - for Canon Photo Printer Pixma iP3000. All four (black, cyan, magenta, yellow) \$10. Angela, Ext. 5322.

LAPTOP SADDLEBAG - Kensington, new, 3-way carry; retrctbl. mouse, fly fan, pkt. kypd., n/book light, Slim MicorSavor. \$55. Ext. 5229.

SPEAKERS - Infinity model IL60. Pd. \$1500. Hardly used. \$600. Mary, Ext. 3670.

WINDOWS XP UPGRADE - home ed., brand new, upgrade from 98 or Millennium. Paid \$95. Best offer. Kathleen, Ext. 3926.

Sports, Hobbies & Pets

BOXER PUPPIES - AKC, docked, shots, vet checked, 6 wks., 2 male, 5 female, must see - beautiful. Chris, 395-6112.

CAMOUFLAGe - military style, to conceal unsightly items, 2 sheets. \$75. 208-0408.

EXERCISE - Universal 4-station machine, extra weights, best offer. 208-0408.

FISH TANK - 46 Gal. hexagonal with stand and hood. \$50 neg. Peter, Ext. 3909.

GOLF CLUB SET - complete set including bag - Golden Bear, used 2 seasons. \$150. Yongjae, Ext. 8485 or 821-2260.

POOL TABLE - 8' outdoor Murray 3000, cost \$2,800 new. 3 months old. all accessories. Paul, Ext. 5829 or 289-9152.

STEPPER - Aerobic step exerciser, shock absorber type, small, w/arm bands, new in box, cost \$55, sell \$15. Peter, Ext. 2913.

Tools, House & Garden

LAWN MOWER - 2004 Sears Craftsman mdl 917-378851, self-prop., rear clippings bag & owner mnl., well maint. \$125. Ext. 5669.

POOL VACUUM - Aquabot pool cleaner, fully automatic, cost \$795, best offer over \$100. Ext. 3436.

Miscellaneous

BOOKS AND RECORDS - old, several boxes of ea., call for pricing. 928-5185.

FLORAL WREATH - very lg., beautiful. blue & mauve hydrangea. \$75. Mary, Ext. 3670.

HYDRAULIC JACK - 2 ton, works well, \$20. John, Ext. 4028.

MOVING SALE - Lots of items can be seen at <http://tinyurl.com/9qncw>. Yongjae, Ext. 8485 or 821-2260.

Free

FIREWOOD - You pick up; Sayville area. Steven, Ext. 5694.

FURNITURE - Entertainment armoire, very good cond., not from a kit, pick-up only, Wading River. Jerry, Ext. 4089.

SWING SET - metal, incl. slide, 2 swings, 4-person glider & space ship. 475-9095.

Wanted

APT. OR HOUSE - 2-bdrm. rental in SWRSD, male, prof., single parent, w/15-yr-old son. Don, Ext. 7237 or 929-6571.

COOTIE GAME - Vintage, 1940s-1950s. Must have all pieces. Reasonable. Please leave phone message. 803-0506.

LAPTOP COMPUTERS - old, new, broken, cash paid, Pentium I and up only, repair service is also avail. Dan, 928-8389.

NEXTEL I1000+ CELL PHONE - working cond., free or low price. Karl, Ext. 3116.

WICKER OUTDOOR FURNITURE - at a reasonable cost. Cindy, 295-6030.

Lost & Found

LOST CELL PHONE - Verizon LG3200 - lost on or after 9/7/05 - if found please call - thank you. Pat, Ext. 4628 or 744-2095.

For Rent

BROOKHAVEN HAMLET - 4bdrm/2bath, Dec-Apr (neg). Stove, f/p, htd. sun porch, WiFi. <http://homepage.mac.com/mike6440/PhotoAlbum1.html>. \$2,000/mo./neg. 374-2537.

E. SHIRLEY - room for rent, fully furnished, eik, lr/bdrm combo, full bath, sep ent, no smkg./pets, 1 mon. sec, 5 min to stores & beach. 15 min to Lab. \$650/mo. 804-8609.

E. SHIRLEY - room for rent, fully furn., eik, lr/bdrm combo, full bath, sep ent, no smkg./pets, for one person only, 1 mo. sec., 5 min to stores & beach. \$650/mo. Ext. 8321.

EAST PATCHOGUE - 1 bdrm. apt., utilities and cable included, no smokers/no pets, walk to town/stores, one person preferable \$800/mo. Jeff, 475-9095.

EAST YAPHANK - new, ground level, 1bdrm. apt., semi-furnished, pvt. ent., a/c, ceramic tile & Berber, no pets, util. incl., 1 mo. security. \$950/mo. 772-2905.

MANORVILLE - Avail. 10/18-5/15, 3 mo. min. Furn. 2-bdrm./2-bath townhouse, Silver Ponds, 10 min to BNL. Util deposit + 2 mo sec., N/P, N/S. \$1,400/mo. 878-8442.

MANORVILLE - share furn. 2-bdrm. apt.: yours 12x18', own bath. I'm away F-Tu am. Large l/r, d/r; w/d, a/c. \$600 if you feed cat Sa-Mo. Heat incl. \$750/mo./neg. (917) 865-9668.

MASTIC - med. sz. room, Internet ready, share whole house, w/cable & kitchen privileges, \$135/wk. 646-489-4742 or 399-8764.

MASTIC BEACH - waterfront house, 1 bdrm., 1 bath, l/r, kitchen, heat/hot water incl, beaut. view of bay, can use landlord's kayak. \$800/mo. 917-589-6617 or 718-556-3579.

MATTITUCK - on water, 10 min. walk to town; single no pets or smoking; a/c; lg. l/r kit.combo; full bath, bdrm, den. 35 min. to lab. \$950/mo. 298-5625.

MILLER PLACE - Share lg. furn. house, c/a/c, Internet, tv, own bdrm., fenced back yard. Prof. resid. area, 9 mi. to BNL. Mature non smoker. \$675/mo. incl. all. 744-8386.

MILLER PLACE - 1-bdrm. house, spacious, beautiful, resid. area, 12 mi to BNL, util. incl., no pets/smkg., 1 person pref. \$975/mo. Rakefet, Ext. 3614 or tsabari@bnl.gov.

RIDGE - 1 bdrm. apt. brand new, kit/l/r combo, bath, priv. ent. avail. 10/1, \$1,150/ couple, single \$1,000/mo. 924-6395.

ROCKY POINT - All-new 1 bdrm bsmt. apt. w/full-size windows. Sep. bath, kitchen, Shared laundry. Utills., DSL, DirecTV incl. 15 min to BNL. \$700/mo. Ext. 4182 or 744-2536.

ROCKY POINT - 1 bdrm, l/r, kitchen, full bath, private entrance, Ground floor, Utills. incl. \$980/mo. 355-1586.

SAYVILLE - 1-bdrm. apt. w/sep. ent. on pvt. st., util., cable, use of washer/dryer incl., near all, no smkg./pets. \$950/mo. Ext. 4450.

SHIRLEY - lg. bsmt. studio, no pets/smkg., partially furnished, 1 mo + sec., all utilities incl. \$725/mo. Ext. 3846.

SHOREHAM - 2 lg. bdrms., a/c in l/r, fully carpeted, kit., full bath, cable, pvt. ent. on cul-de-sac, no smkg./pets, 8 mi. to BNL. \$1,200/mo. 445-7838.

WADING RIVER - Beautiful Cape Cod, just redone. Clean and spacious. \$1,425/mo. Doreen, 929-5008.

NAPLES, FL - brand new condo in Cypress Wood Golf & Country Club, 2 bdrm., 2 bath, sleeps 4-6, fully equipd. kitch., linens, \$1700- \$3,500/mo. Pics. avail., 208-0196.

PALM BEACH GARDENS, FL - fully furn. new condo, 2 bdrms., den, 3 baths, 2346 sq.ft, 2-car gar., veranda, dining room, eik, comm. pool, club house. \$4,500/mo./neg. 924-3049.

For Sale

MIDDLE ISLAND, NY - Fairview at Artist Lake Condo, 2nd floor, 2 bdrm., mint cond., low common charges and taxes. \$247,900/ neg. 924-6244.

SOUND BEACH, NY - 2-bdrm., 1-bath ranch at end of cul-de-sac, new roof, windows, doors, kitchen; marble bathroom, 1-car gar., low taxes. \$270,000/neg. 891-9430.

ST. JAMES, NY - charming Cape set on 1/4 Acre, 4 bdrms., 2 full baths, eik, d/r, l/r, den & half garage. \$465,000. 584-5136.