



## Marburger Gives Pegram Lectures On Science Policy, Money, Politics

11/18, 19, 20 @ 4 p.m.

John H. Marburger, III, Science Advisor to President George W. Bush and Director of the Office of Science & Technology Policy, will give the George B. Pegram Lectures on Tuesday, Wednesday, and Thursday, November 18, 19, and 20. All the lectures will start at 4 p.m. in Berkner Hall. Inaugurated in 1959, the Pegram lectures bring distinguished scholars to the Lab to speak on topics of both scientific and general interest. The lectures are sponsored by Brookhaven Science Associates, and are free and open to the public. Visitors to the Lab age 16 and over must bring a photo ID.

The titles of the lectures are:

- "The Science of Science Policy," Tuesday, Nov. 18
- "Science and Money," Wednesday, Nov. 19
- "Science and Politics," Thursday, Nov. 20

Drawing on his experience as a research scientist, academic administrator, national laboratory director and presidential science advisor, Marburger will focus in his talks on the intellectual machinery of science policy and current policy issues. The underlying premise of the lectures is that science policies are like scientific hypotheses: They need to be developed consistently with other knowledge and validated empirically.

Marburger received a B.A. in physics from Princeton University in 1962 and a Ph.D. in applied physics from Stanford University in 1967. Before his current appointment as Presidential Science Advisor, he was Director of BNL from 1998 to 2001. He is credited with building the local community's support and confidence in the Lab, while helping science to flourish. He served as president of Stony Brook University from 1980 to 1994, and, during his tenure, scientific research at the university grew to exceed that of any other public university in the northeastern U.S. In 1994, Marburger returned to the faculty at Stony Brook, teaching and doing research in optical science.

Marburger came to Long Island in 1980 from the University of Southern California (USC), where he was a Professor of Physics and Electrical Engineering, serving as Physics Department Chair and Dean of the College

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## Site Preparation Work To Begin For NSLS-II Facility's Ring Building

Site preparation work for construction of BNL's newest research facility, the National Synchrotron Light Source II (NSLS-II), is set to begin next week, subject to approval of the contractor safety plan. The project, expected to be completed over the next six years, will include the construction of conventional facilities, installation of the accelerator and experimental equipment and the startup, testing and commissioning of all systems.

NSLS-II will be a state-of-the-art, medium-energy storage ring designed to deliver world leading brightness and flux. The facility will be able to produce x-rays up to 10,000 times brighter than those produced at the NSLS today. Design and engineering of the new light source began in 2007, and approval to begin construction is expected from DOE early next year.

"The site preparation work has been approved as an early procurement," said Steve Dierker, Associate Laboratory Director for Light Sources and NSLS-II Project Director. "It will reduce the potential for schedule delays when the main Ring Building construction begins next spring. The Request For Proposals for



Stephen Sawch (left) of the Conventional Facilities Division (CFD) for the NSLS-II project and CFD's project construction engineer Mike Bromfield review plans at the site of the NSLS-II Ring Building.

the Ring Building has been issued and the award of the main construction contract is slated for early next spring. A series of smaller contracts have already been awarded for the Site Preparation effort, and we are reviewing the contractor safety plans prior to starting the work."

Work on the first and smallest of the half-dozen packages that make up construction of the Ring Building will take approximately three months and will be

centered around the former warehouse area south of Brookhaven Avenue to the vicinity of Building 485 at Groves and Fifth Streets. The Ring Building will house the new light source, beamlines and experimental stations and also includes numerous support buildings.

The site preparation scope of work includes:

- Rerouting utilities and installation of utility services and facilities needed to support

construction trailers, construction power and the continued operation of adjacent facilities, including rerouting power and communication lines;

- De-energizing and isolating existing utilities as needed to enable demolition and removal of utilities at the site by the Ring Building contractor; and
- Clearing trees within the construction area and removing debris and existing concrete structures.

The construction site will be a restricted area and only authorized personnel will be allowed on the site. The area will eventually be fenced, but until then the NSLS-II Project Office asks that employees and visitors stay a safe distance away, whether or not construction activities are taking place.

"We are very pleased to mark another milestone in this very exciting project for Brookhaven and for U.S. scientific research," said Dierker.

For more information on the planned work, contact Stephen Sawch, Assistant Director of Construction Management, Conventional Facilities Division, NSLS-II, Ext. 7593. — Kay Cordtz

## BNL Scientists in Southeastern Pacific Climate Study

### Measurements taken by air, land, and sea will improve climate modeling

During October and November 2008, some 150 scientists from 40 institutions in eight nations — including BNL scientists — are taking part in an international field experiment designed to make observations of critical components of the climate system of the southeastern Pacific. Because elements of this system are poorly understood and poorly represented in global climate models, collecting real-time, complementary data from a variety of areas will go a long way toward improving scientists' ability to use these models for making accurate predictions about Earth's climate.

A total of five aircraft — including DOE's G-1 Gulfstream research aircraft, operated by Pacific Northwest National Laboratory (PNNL) with instruments developed at both PNNL and BNL — and two research ships sample the lower atmosphere and upper ocean during the experiment. Two sampling sites operated by research groups from Chile, Sweden, and the United States, are conducting complementary sampling studies in the coastal region of Chile south of Santiago.

"We are motivated to participate in this study because the vast area of clouds in this region will provide an ideal laboratory for testing theories that have been developed at Brookhaven Lab regarding how precipitation forms in clouds and how aerosols affect cloud optical and



Some of the members of the VOCAL REx climate study team on location in Chile. BNL's Peter Daum (fifth from left) is DOE's chief scientist for the study.

microphysical properties," said BNL's Peter Daum, chief DOE scientist for the study. Other BNL members of the team in Chile are: Larry Kleinman, Yin-Nan Lee, Art Sedlacek, Gunnar Senum, and Stephen Springston. Team members Yangang Liu and Jian Wang remained at the Lab.

The southeastern Pacific region is dominated by strong coastal upwelling, bringing cold, dense seawater from the deep ocean closer to the surface and resulting in extensive cold sea surface temperatures. It is also home to the largest subtropical deck of low-lying stratocumulus clouds on Earth.

"These and other chemical and physical factors shape the regional climate and affect the global weather in ways that are

poorly understood," said C. Roberto Mechoso, a professor of atmospheric and oceanic sciences at the University of California, Los Angeles, who chairs the research program. "Our research should produce a better understanding of the Southeast Pacific Ocean system, and improve our global computer climate models — which would lead to more confidence in climate forecasts, including predictions about global warming."

Mechoso heads the scientific modeling arm of the research program, while Robert Wood, assistant professor of atmospheric sciences at the University of Washington, leads the experimental field component. The combination of intensive field measurements, long-term ob-

servations, and modeling will provide important insights that could directly benefit climate modeling, the researchers say.

The study is known as the Variability of the American Monsoon Systems' (VAMOS) Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx). It is a component of a larger international climate study program, VOCALS. The major goal of the VOCALS program is to develop and promote scientific activities leading to improved understanding, model simulation, and predictions of the southeastern Pacific ocean-atmosphere-land climate system on day-to-day and year-to-year timescales. The other major components of VOCALS are a

See *Climate Study* 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.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See [www.bnl.gov/esol/schedule.html](http://www.bnl.gov/esol/schedule.html) 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](mailto:alforque@bnl.gov)

Mondays & Wednesdays: Pilates

12:15-1:15 p.m. Mons.; 5:15-6:15 p.m. Mon. & Wed. Rec. Hall. \$65/once/wk., Ext. 5090

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Registration is required. Ext. 8481

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

Noon-1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov)

Tuesdays: Hospitality Coffee

10:30 a.m.-noon, Rec. Hall lounge. Restarts 9/9. All welcome. Ext. 5090

Tuesdays: BNL Music Club

Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

Tuesdays: Knitting Class

2 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information

Tuesdays: Jiu Jitsu

6:30-7:30 p.m. Gym. All ages, 6 yrs. to adult. \$10/class, pay as you go. Tom Baldwin, Bldg. 452, Ext. 4556

Tuesdays: Toastmasters

1st & 3rd Tuesday of month, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. [www.bnl.gov/bera/activities/toastmstrs/](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

Tue., Thurs. & Fri.: Ving Tsun Kung Fu

Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, [bradley@bnl.gov](mailto:bradley@bnl.gov)

Tuesday & Thursday: Aerobic Fitness

5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, [flood@bnl.gov](mailto:flood@bnl.gov)

Tuesday & Thursday: Aqua Aerobics

5:30-6:30 p.m., Pool. Starts Tues., 9/9; Thurs., 9/11. 8-wk session, \$20/once/wk, \$40/twice/wk. Mail chk to BERA.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. 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. Starts September 12 and 19. Ext. 3845

Wednesdays: Weight Watchers

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

Wednesdays: Yoga

Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov)

Wednesdays: LabVIEW

1:30-3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304

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 Bernholz, Ext. 2027

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

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](mailto:alforque@bnl.gov)

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modeling program ranging from local to global scales and a suite of extended observations from regular research cruises, instrumented moorings, and satellites. BNL's role in this research was funded by DOE's Office of Science. VOCALS-REx receives additional support and participation from the National Oceanic and Atmospheric Administration, the National Science Foundation, and the World Climate Research Program.

For more information about the study, visit: <http://www.eol.ucar.edu/projects/vocals/> and <http://www.newsroom.ucla.edu/portal/ucla/southeastern-pacific-ocean-research-40753.aspx>.

— Karen McMulty Walsh

Symposium for Gerry Bunce, 11/19  
Celebrating 32 Years of Spin Physics Research

All are welcome to attend the "Symposium for Gerry Bunce: Celebrating 32 Years of Spin Physics Research," in the Large Seminar Room of the Physics Department, Bldg. 510, on Wednesday, November 19, 9 a.m.-7 p.m., followed by a reception and banquet in Berkner Hall. Bunce retired from BNL in September 2008. For more information, and to register, go to [www.bnl.gov/gbunce/](http://www.bnl.gov/gbunce/). The organizing committee for the event is chaired by Yousef Makdisi, BNL Physics.

The symposium agenda, which will be posted on the website shortly, will include time to attend the 4-5 p.m. second Pegram lecture being given by John Marburger that afternoon on "Science and Money" (see story on pg. 1). The deadline to register is November 14, especially if on-site accommodation



Roger Stouthenburch D1040908

will be requested. The registration fee of \$35 covers the cost of the reception and banquet. Checks made out to BSA or Brookhaven Science Associates may be sent or cash given to the event coordinator, Kelly Smith, Physics Department Chair Office, Bldg. 510.

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of Letters, Arts and Sciences in the 1970s. At USC, Marburger developed theory for laser phenomena and was co-founder of the university's Center for Laser Studies.

During his presidency at Stony Brook, Marburger served on numerous boards and committees. He was chair of the New York State Governor's Commission on the Shoreham Nuclear Power Plant, and chair of the 80-campus Universities Research Association, which operates Fermi National Accelerator Laboratory.

— Diane Greenberg

CIGNA Representative

A CIGNA Healthcare representative is available as needed in Human Resources, Bldg. 400, or by phone to assist with claims issues you have been unable to resolve yourself through CIGNA's Customer Service number (1-800-CIGNA24). Mary Beth Kivlen will be available by appointment only. You will need to provide all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

BNL's United Way Fund Drive Kicks off Next Week  
'United Together, Sharing and Caring'

BNL's annual campaign to raise funds for the United Way will kick off next Friday, November 14. This year's United Way Campaign Chair is Lanny Bates, Assistant Laboratory Director for Facilities & Operations, and he will be assisted by Campaign Co-Chair Pam Yerry.

"The United Way gift from BNL is deeply appreciated by those in need, and it helps to makes the Lab part of the fabric of Long Island," says Bates. "I feel it is an honor to work with Lab volunteers and to experience first hand the generous nature of our employees. We hope you will join us and make this year's fund drive a great success."

This year's drive will include raising funds through the usual submission of pledge forms that will be sent to each employee, and, again as usual, many other events such as the traditional holiday auction, bake sale, yard sale, and book sale will be held. Departments, divisions, BERA clubs, and any other groups or individuals are asked to support the auction with a basket.

In addition, employee volunteer hours are matched by a contribution to the United Way campaign from Brookhaven Science Associates. For every hour volunteered until the end of December 2008, BSA will donate \$20 to the BNL's Long Island United Way campaign, with a ceiling of \$10,000. To encourage participation in a volunteer activity with supervisory approval, an employee may make a one-time request of an hour's work time to perform volunteer work. A minimum of two hours is necessary, one work hour, and one from your own time. Thereafter, you may volunteer as many hours as you wish on your own time.

If you would like information on volunteer opportunities, call the Volunteer Days Program Coordinator, Mary Campbell, Ext. 3927, or [maryc@bnl.gov](mailto:maryc@bnl.gov).

For a list of 2008 United Way Team members or for more information on the campaign, see: <http://intranet.bnl.gov/unitedway/>.

Deadline Approaches to Enter Items  
For BNL Art & Crafts Fall Show, 11/19-21

BNL artists, photographers, sculptors, and crafters — your work is needed for the upcoming BNL Art and Crafts Show to be held at Berkner Hall, Monday to Wednesday, November 24-26, 11:45 a.m.-1:30 p.m. An evening reception with refreshments will be held on Monday, November 24, 5-7 p.m. BNL employees, retirees, facility users, guests of BNL, and family members 15 years and older, may all contribute. To be included in the program, send your name, home phone, BNL phone ext., type of art or craft, and title of work, by next Monday, 11/10, to Bob Chrien, Ext. 3903 or [chrien@bnl.gov](mailto:chrien@bnl.gov); or Liz Seubert, Ext. 2346 or [lseubert@bnl.gov](mailto:lseubert@bnl.gov).

Exhibits for the show should be brought to Room C, Berkner Hall, on Friday, November 21, between 2 p.m. to 4:30 p.m. The items must be collected (by the artist or designated person) on Wednesday, November 26, after 1:30 p.m. and by 4 p.m. at latest.

Looking For A Few Good  
Pollution Prevention Ideas  
Message from Peter Pohlot, BNL's  
Pollution Prevention Coordinator

Do you have an idea that will reduce waste, conserve energy or natural resources, and save money? If so, please submit your idea to the BNL Pollution Prevention (P2) Council. The P2 Council is seeking ideas and proposals designed to reduce waste, increase recycling/resource conservation, and save money. P2 proposals are due by December 12. Funding for approved projects will be allocated in mid-January.

Last year, 15 pollution prevention proposals were submitted, of which five received funding. Two examples of funded proposals include an National Synchrotron Light Source (NSLS) Department biodegreaser that will save approximately \$2,500/year and combination infrared/motion detectors for Lab lighting in both Instrumentation and Biology.

The maximum amount of funding for fiscal year 2009 is expected to be \$10,000. Proposals requiring funding greater than the \$10,000 maximum should seek internal funding through direct allocation processes — like the Project, Planning, Programming, and Budgeting Process (3PBP). The P2 Council will evaluate the proposals and rank them based on whether or not the project:

- Eliminates or significantly reduces mixed waste, radioactive waste, and/or hazardous waste
- Eliminates or significantly reduces the use of toxic, radioactive, and/or hazardous materials, particularly chemicals and ozone-depleting substances targeted for reduction by Executive Order 13423
- Corrects or prevents noncompliance and/or eliminates or significantly reduces environmental regulatory requirements in support of Executive Order 13423
- Supports and is aligned with the Laboratory strategic focus area targets and contract performance measures
- Provides a good return on investment (three years or shorter payback period)
- Conserves energy and/or natural resources
- Eliminates a source of mercury
- Eliminates a source of an ozone-depleting substance
- Targets the disposal/removal of a legacy waste
- Has a high likelihood of successful implementation
- Can be implemented within the fiscal year.

In your proposal, fully describe the project's benefits relative to the criteria set. All project requests will be presented to the Policy Council, which will then establish a cutoff funding level for the program for FY09. See [www.bnl.gov/ewms/pollutionpreve/P2\\_ROI.asp](http://www.bnl.gov/ewms/pollutionpreve/P2_ROI.asp) for forms and more information.

Contact your Environmental Compliance Representative or Pohlot, Ext. 5660, [pohlot@bnl.gov](mailto:pohlot@bnl.gov), for additional information or for help in putting together your proposal.

BSA Noon Recital: The Stone Guest, 11/19

On Wednesday, November 19, in Berkner Hall, the BSA Noon Recital will feature Stony Brook Opera with a preview of Alexander Dargomyzhsky's groundbreaking opera *Kamenny Gost* (*The Stone Guest*, Pushkin's version of the Don Giovanni story). Under the direction of David Lawton, the preview will be semi-staged with piano accompaniment and sung in the original Russian language with projected titles in English. The text of the opera is one of Alexander Pushkin's Little Tragedies of 1831 and is based on the Don Juan legend inspired by Mozart's Don Giovanni. The opera was produced for the first time in 1872, and rapidly became a staple of the Russian repertoire. All are welcome to this free concert, open to the public.



Visitors to the Lab of 16 or over must carry a photo ID.

Social & Cultural Club's Dance Party, 12/12

Sponsored by the BNL Social & Cultural Club, Milagro, a Santana tribute band, will perform during the "Holidays Dance Party" at the North Ballroom of the Brookhaven Center, on Friday, December 12, starting at 9 p.m. Before the band performs, a shrimp cocktail and cold hero buffet dinner will start at 7 p.m., and then, at 7:45 p.m., a one-hour dance lesson in "Rumba" will be given by a popular Long Island dance instructress, Annette Alicante. The event is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

A seven-piece band with a full percussion section, Milagro performed in a concert in Berkner Hall last October, sponsored by the Lab's Hispanic Heritage Club. The band is in demand at venues all over Long Island.

Tickets cost \$30 in advance or \$35 at the door. Only 150 tickets will be sold. Tickets are available at the BERA Store, Berkner Hall, weekdays, 9 a.m.-3 p.m.; and also available at the regular "TGIF @ Brookhaven" dance socials on Friday nights at the Brookhaven Center.



# Healthfest Swims: Big Turnout

On Wednesday, October 29, and Friday, October 31, swimmers were seen dotting the Lab pool, clad in swim caps, goggles, Speedos, and flippers. This year's Healthfest swim events produced a larger turnout than ever before. From Healthfest first-timers to competitive swimmers and triathletes, 54 swimmers, ranging in age from 27 to 80, completed the 400-yard swim, and 45 swimmers completed the 800-yard swim. Twenty-seven swimmers participated in the biathlon, adding their 800-yard swim times to the five-kilometer fitness run the week before.

For the men, Ralf Seidl smashed the 2004 400-yard Healthfest record by over 30 seconds with a time of 4:40.7. In second place was Rob Todd at 5:10, who beat his first recorded time by over two minutes. In third was Pete Heotis at 5:32.

For the women, Beth Mulligan came in first at 6:43; Karen McNulty Walsh, second, at 7:28.5; and Denise Jennings placed third, at 7:32.

For the 800-yard swim, Rob Todd came in first at 11:01, followed by Ian Ballantyne at 11:56, and Wlodek Guryn, third, at 12:34. Denise Jennings placed first among women, at 15:15; Beth Mulligan, second, at 15:19; and third, Kathy Hershovitz, at 15:32.

Lab physicist Siedl was a competitive swimmer in his home country of Germany and competed in many national finals between ages 10 and 20.

"Now, I swim for fun and for fitness," Siedl said. "It's a nice way to relax after a workday, and it helps that swimming is somewhat repetitive. You can clear your mind." Siedl still trains three times a week around lunchtime at the Lab pool.

Ramiro Debbe, a Lab physicist for 23 years, competed this year for the first time. He has been practicing every day and finds that swimming helps to lower his



Pete Heotis and Jessica McKenna record times of swimmers' laps and lengths

blood pressure and cholesterol.

"This is the first time I feel so healthy," Debbe said. "I had no idea that this was so good for me. At my age, you start to feel the effects on your muscles and your heart." Now, Debbe is working on his endurance, and after that, he hopes to improve his speed.

"After that, the Olympic games are far away, so you never know," he said.

Cecilia Sanchez, a Lab physicist for 10 years, became serious about swimming in early 2008. This was her first Healthfest swim. She practices a few times a week after work and on Saturdays and also plays volleyball twice a week.

"I like sports because they keep me calm," Sanchez said. "I was too busy with physics and took a break from swimming and sports for years. By signing up for a triathlon in October, I forced myself to practice."

Sanchez said she is teaching herself freestyle because she is already satisfied with her breaststroke. That is why she timed her 400-yard swim with her freestyle. Between her Wednesday and Friday swims, she shaved two seconds off her 400-yard freestyle swim. "Sometimes, even when you push yourself hard, like on the 800-yard swim, you don't see a huge difference," Sanchez said.

Tom Nehring, a Lab electrical engineer, has spent 25 years at

BNL and four of them swimming daily at lunch. He enjoys swimming and uses it to control his weight and blood pressure.

"I have a shoulder injury, so this acts as physical therapy too, preventing atrophy to the muscles," Nehring said. "Swimming is low-impact, so there is less joint pain."

Patricia Johnson, a staff member in BNL's travel department for 35 years, was a first-time Healthfest swimmer. She began water aerobics in January 2008, and since September, also swims twice a week.

After her 400-yard swim, Johnson continued to swim a few extra laps for fun.

"I'm a water sign, a Pisces, so I should like the water, right?" Johnson said. "I enjoy the feeling of freedom and floating. No matter what size you are, the water is very buoyant and life-giving."

Many of this year's Healthfest swimmers participated in the winter 2008 virtual "Swim to the Bahamas," in which everyone swam as many laps as they could over a three-month period, plotting their distance toward the Bahamas on a virtual map. In January of 2009, the plan is to "Swim to Mexico." For more information on joining this project, or on Healthfest statistics, contact Pete Heotis, pheotis@bnl.gov.

— Satya Shanmugham

# Two BNLers Go Up the [Hudson] River

If you have ever used the Lab swimming pool, there is a good chance that you know Susan Dwyer and Kathleen Tuohy. Dwyer has been the Lab's lead lifeguard for 18 years and Tuohy has routinely used the pool since she began working at the Lab 34 years ago. The two have known each other for quite some time, but during this summer, they decided to be "buddies" for the 5th Annual Hudson River Swim.

The one-mile swim from Newburgh to Beacon is a fundraiser to support the continuing cleanup of the Hudson River and provide lifeguards and routine maintenance at the "riverpool." The riverpool is a partially submerged pool in the Beacon section of the river that offers a fantastic view of the Hudson. It allows river water to pass through while protecting swimmers from boats and river currents, allowing safe swimming conditions for people of all ages.

After reading an article about the fundraising swim, Dwyer mentioned the idea of participating to Tuohy, "and the next thing I knew, Kathy had signed us up," Dwyer said. They were



Dwyer and Tuohy

both a little reluctant about swimming in open waters, but then learned swimmers would be guided in the river by kayaks.

"That made us feel better," said Tuohy. "When you're swimming long distance, it's easy to lose direction." So Tuohy convinced her husband Dennis to be a kayak guide and BNLER Sheryl Carey volunteered as the second kayak guide.

"We were all set," said Dwyer. "But we were still a little on edge. The morning of the swim, we went to the starting point, saw the sunrise over the river and all of our fears were quenched. Kathy and I just looked at each other and without a spoken word, we both knew we had

made the right decision to raise funds to support the riverpool and the cleanup effort."

Tuohy agrees. "After the sun came up we started to see kayakers, all wearing different colored hats, coming across the river. Then, when I met veteran musician Pete Seeger, who has been a leader of the Hudson cleanup campaign since 1979, and I heard him sing, it sealed the deal. Seeger's voice was the final inspiration I needed to put on my bathing suit and cap," she said.

This was the first time the two women participated in this type of event together but they both say they are committed to future fundraising swims. On the horizon is a three-mile swim scheduled next September in Sleepy Hollow, NY. That event will raise funds for lymphoma and leukemia patients.

"It's a win-win," said Tuohy. "Swimming helps to keep us healthy, Susan and I have fun training together, and we raise funds for worthwhile causes."

For more information on the Hudson/Beacon riverpool go to: [www.riverpool.org](http://www.riverpool.org).

— Jane Koropsak

# 'Home For the Holidays' Seminar on Stress, 11/12

The Lab community is invited to attend the "Home For the Holidays" seminar on stress on Wednesday, November 12, at noon in Berkner, Room B. Presented by the Employee Assistance Program (EAP), the seminar will feature speaker Nancy Losinno, EAP Manager, who will discuss:

- Managing stress, hardship, and trauma
- Increasing happiness through forgiveness, acts of kindness, and social connections
- Gratitude, positive thinking

For more information and to register for this event, contact Linda Di Pierro, Ext. 2733 or [dipierro@bnl.gov](mailto:dipierro@bnl.gov).

## Arrivals & Departures

— Arrivals —

Anthony Bowman..... HR/OM  
Richard Fausset..... NSLS II  
Nancy Felock...Safety & Hlth Svcs

— Departures —

Paiboon Sreearunothai.....Chem.

## BSA Scholarships Deadline 11/14

Obtain applications for 2009 BSA Scholarships from the Human Resources & Occupational Medicine Division, Bldg. 400B. Completed forms must be sent to BSA Scholarships, Scholarship and Recognition Programs, P.O. Box 6730, Princeton, NJ 08541-6730, by Friday, 11/14, 2008.

For more information, contact Leesa Allen, Ext. 2700, [leesa@bnl.gov](mailto:leesa@bnl.gov).

## BERA Toy Drive

The annual toy drive for children who will lack gifts over the holidays will be more needed than ever this year. Please drop new toys, not wrapped, at the BERA Store or at the Recreation Office in Bldg. 400.

## BERA Events

BERA offers the following events, but see also [www.bnl.gov/bera/recreation/events.asp](http://www.bnl.gov/bera/recreation/events.asp). Buy tickets at the BERA Store, Berkner Hall, open 9 a.m.-3 p.m., weekdays.

**BERA Holiday Party.** Fri., Dec. 5, 7-11 p.m. at the beautiful waterfront Miller Beach Surf Club. Open bar, hors d'oeuvres, dinner buffet, dessert and a DJ with dancing for only \$45/person. Get friends, family, and department together for this exciting evening! Tickets are at the BERA Store and must be purchased by November 21. Seating will be limited.

**Book & Gift Fair.** Berkner Hall lobby. 10 a.m.-2 p.m., Dec. 15 and 16.

**Five-day Cruise to Bermuda.** Take Royal Caribbean's *Explorer of the Seas* from Bayonne, NJ, on Saturday, May 23, 2009, and return on Thursday, May 28. Prices/person start at \$845, for double occupancy. Included: travel insurance, port fees, fuel charges. A \$200 deposit is required at the time of booking per double occupancy. Contact Joann Giambalvo, Ext. 7459, for more information or see BERA website: [www.bnl.gov/bera/](http://www.bnl.gov/bera/).

## CALENDAR

Saturday, 11/8

**Celebrating Diwali, Festival of Light**  
3 p.m. Berkner Hall. The BERA Indo American Association invites all to celebrate Diwali. Tickets: \$17/adults, \$10/children. See [www.bnl.gov/bera/activities/iaa/Diwali2008](http://www.bnl.gov/bera/activities/iaa/Diwali2008).

**\*St. Martin's Pot Luck Party**

4:30-8 p.m. Recreation Hall. Lantern parade, pot luck dinner, children's games, more. Bring lantern, dinner or dessert to share. Simone Oppenheimer, [soppenheimer@optonline.net](mailto:soppenheimer@optonline.net) or 929-0043. See pg. 4.

— WEEK OF 11/10 —

Tuesday, 11/11

**Veterans' Day, BNL Closed**

The Lab will be closed in honor of Veterans' Day. No Bulletin on Friday, 11/14.

Wednesday, 11/12

**\*EAP Seminar on Stress**

Noon-1 p.m. Berkner Hall, Room B. Nancy Losinno, Employee Assistance Program Manager, talks on managing stress. See notice, above, left.

**442nd Brookhaven Lecture**

4 p.m. Berkner Hall. Elaine DiMasi of the National Synchrotron Light Source Department will talk on "Which Came First, the Egg-Shell or the Egg? Answering Riddles About Biomineralization." All are welcome to this free talk, open to the public.

— WEEK OF 11/17 —

**\*Marburger To Give Pegram Lectures**

All are welcome as John H. Marburger, III, the Science Advisor to President George W. Bush and Director of the Office of Science & Technology Policy, gives the three George B. Pegram Lectures this week. These free lectures, open to the public, are sponsored by BSA, the company that manages BNL. See pg. 1.

Tuesday, 11/18

4 p.m. Berkner Hall. John Marburger speaks on "The Science of Science Policy." See pg. 1.

Wednesday, 11/19

**\*Bunce Spin Physics Symposium**

9 a.m. Large Seminar Room, Physics Department, Bldg. 510. See notice top left, pg. 2.

4 p.m. Berkner Hall. John Marburger gives second Pegram lecture, on "Science and Money." See pg. 1.

Thursday, 11/20

\*4 p.m. Berkner Hall. John Marburger talks on "Science & Politics." See pg. 1.

Friday, 11/21

**\*Hospitality Thanksgiving Dinner**

5:30 p.m. Recreation Hall. See notice below.

— WEEK OF 11/24 —

Monday, 11/24

**\*BNL Art & Crafts Show**

11:45 a.m.-1:30 p.m., 5-7 p.m. Berkner Hall, Room B. All are welcome. See notice, pg. 2.

**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.

## Thanksgiving Dinner, 11/21

The Hospitality Committee invites all visitors, guests, and their families to a Thanksgiving Dinner on Friday, 11/21, at 5:30 p.m. in the Recreation Hall. The turkey feast will be provided. Please bring desserts and beverages to share. You may bring alcoholic beverages. Contact Jennifer Lynch, Ext. 4894 or [jlynch@bnl.gov](mailto:jlynch@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/](http://www.bnl.gov/HR/jobs/).

To apply for a position, go to [www.bnl.gov](http://www.bnl.gov). Select "Job Opportunities," then "Search Job List."

### LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

**FIREFIGHTER/EMT** - Requires five years' progressive experience in a fire department, five years of experience as a New York State EMT-D, and Suffolk/Nassau County/NY State Certification as a motor pump operator on a Class A pumper. In descending order of importance, the following criteria will be used for selection in the event two or more individuals meet the above criteria: certified OSHA Hazardous Materials Technician; Certified in Confined Space Rescue; current line officer in home department; and possession of an associate degree or higher in fire protection technology. Must be willing to work shifts at the completion of training period. Laboratory Protection Division. Apply to Job ID #14665.

**OPEN RECRUITMENT** - Opportunities for Lab employees and outside candidates.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in theoretical elementary particle physics. The group has active programs in all areas of particle physics, including Standard Model and beyond and lattice gauge techniques. Applications must be received by December 31, 2008. The appointment is scheduled to begin October 1, 2009. When applying for this position, interested applicants should attach three letters of recommendation along with the CV. Letters of reference can also be sent under separate cover via email (preferred) to [aaponte@bnl.gov](mailto:aaponte@bnl.gov), or by mail to A. Aponte, High Energy Theory Group, Physics Department, Bldg. 510A, Brookhaven National Laboratory, Upton, NY 11975-5000, USA, but only after CV and application have been submitted through website listed below. Under the direction of A. Soni, Physics Department. Apply to Job ID #14668.

**ASSISTANT/ASSOCIATE SCIENTIST (S-1/S-2)** - Inelastic X-ray Scattering - The Inelastic X-ray Scattering Assistant or Associate Scientist will be working with the user community and under the direction of the Inelastic X-ray Scattering Group Leader to develop a scientific research program and its technical implementation at a state-of-the-art inelastic x-ray scattering beamline at NSLS-II, including its design, construction, and commissioning. Requires a Ph.D. in physics or related fields, plus two to five years of postdoctoral experience in synchrotron research and applications. Must have excellent written and oral communications skills and be able to interact effectively with a diverse group of scientists, technical staff, and users. Experience in inelastic scattering is preferred, as well as prior experience in construction or operation of a synchrotron beamline and/or in x-ray optics. National Synchrotron Light Source II. Apply to Job ID #14661.

**ASSISTANT PHYSICIST (S-1)** - X-ray Optics R&D Beamline - The X-ray Optics R&D Beamline Assistant Physicist will work under the direction of the Inelastic X-ray Scattering Group Leader and assist refurbishing and the operation of an existing x-ray beamline at NSLS to be dedicated to the testing and characterization of x-ray optics relevant for the NSLS-II Project. Will work closely with the research group focused on developing x-ray optics for achieving the 0.1 meV energy resolution goal. Requires a Ph.D. in physics or related discipline, plus one to two years of postdoctoral experience using synchrotron x-ray beamline optics and instrumentation. Must have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientists, technical staff and users. Knowledge and experience with Shadow ray tracing is preferred, as well as prior experience in the construction or operation of a synchrotron x-ray beamline and/or in x-ray optics. National Synchrotron Light Source II. Apply to Job ID #14662.

**ASSISTANT/ASSOCIATE SCIENTIST (S-1/S-2)** - Soft X-ray Scattering and Polarization - The Soft X-ray Scattering and Polarization Assistant or Associate Scientist will be

working with the user community and under the direction of the Soft X-ray Scattering and Polarization Group Leader to develop a scientific research program and its technical implementation at a state-of-the-art soft x-ray coherent scattering and polarization beamline at NSLS-II, including its design, construction, and commissioning. Requires a Ph.D. in physics or related fields, plus two to five years of postdoctoral experience in synchrotron research and applications. Must have excellent written and oral communications skills and be able to interact effectively with a diverse group of scientists, technical staff, and users. Experience in soft x-ray magnetic circular dichroism and speckle imaging and metrology is preferred, as well as prior experience in construction or operation of a synchrotron beamline and/or in soft x-ray optics. Experience in materials science and/or condensed-matter physics especially in dynamics in magnetic systems is also desirable. National Synchrotron Light Source II. Apply to Job ID #14663.

**ASSISTANT/ASSOCIATE SCIENTIST (S-1/S-2)** - Sub-Micron Resolution X-ray Spectroscopy Beamline - Working with the user community and under the direction of the Submicron Resolution X-ray Spectroscopy Group Leader, will be responsible for the development of a scientific research program and its technical implementation at a state-of-the-art submicron resolution x-ray spectroscopy beamline at NSLS-II; including its design, construction, and commissioning. This position requires a Ph.D. in physics or a related field, and two to five years' postdoctoral experience in synchrotron research and applications. Must have excellent written and oral communications skills and be able to interact effectively with a diverse group of scientists, technical staff, and users. Experience in x-ray fluorescence imaging and microscopy, prior experience in the construction or operation of a synchrotron beamline and/or in x-ray microprobe, and experience in relevant scientific fields such as: materials, environmental, and life sciences is highly desirable. National Synchrotron Light Source II. Apply to Job ID# 14664.

**ASSISTANT/ASSOCIATE SCIENTIST (S-1/S-2)** - Hard X-ray Nanoprobe Beamline - Working with the user community and under the direction of the Hard X-ray Nanoprobe Group Leader, will be responsible for the development of a scientific research program and its technical implementation at a state-of-the-art x-ray nanoprobe beamline at NSLS-II; including its design, construction, and commissioning. This position requires a Ph.D. in physics or a related field, and two to five years' postdoctoral experience in synchrotron research and applications. Must have basic knowledge of x-ray focusing optics and excellent written and oral communications skills and be able to interact effectively with a diverse group of scientists, technical staff, and users. Experience in x-ray microscopy and imaging, construction or operation of a synchrotron beamline, and/or in x-ray fluorescence imaging and micro diffraction is highly desirable. National Synchrotron Light Source II. Apply to Job ID# 14666.

**ASSISTANT/ASSOCIATE SCIENTIST (S-1/S-2)** - Coherent Hard X-ray Scattering Beamline - Working with the user community and under the direction of the Coherent Hard X-ray Scattering Group Leader, will be responsible for developing a scientific research program and its technical implementation at a state-of-the-art coherent hard x-ray scattering beamline at NSLS-II; including its design, construction, and commissioning. This position requires a Ph.D. in physics or a related field, and two to five years of postdoctoral experience in synchrotron research and applications. The successful candidate must have excellent written and oral communications skills and be able to interact effectively with a diverse group of scientists, technical staff, and users. Experience in x-ray photon correlation spectroscopy, construction or operation of a synchrotron beamline and in coherent x-ray optics is highly desirable. National Synchrotron Light Source II. Apply to Job ID# 14667.

### Motor Vehicles

**06 VOLKSWAGEN GTI** - MRK V 2.0T 6spd, manual pkg. 2 leather heated seats HP summer & winter tires org. owner, like new. 18K mi. \$17,500. Ext. 3498 or 849 2520.

**04 SUZUKI GSXR 750** - great cond., lots of extras. 9000 mi. \$5,700. 516-852-2497.

**02 ACURA 3.5RL** - metallic green, new tires/brakes. 41K mi. \$13,800/neg. Ext. 7484.

**99 SUBARU LEGACY OUTBACK** - Good cond., needs new gas tank. Runs well. awd, 5spd, a/c, cd/tape, p/w, p/l, heated seats. \$3,500/neg. Cindy, 874-3652.

**98 CHEVY SUBURBAN LT K1500** - 4X4 5.7LT, t/r, a/c a/t p/l p/w, am/fm/cd leather heated seats, new 17" wheels/tires, runs well, 108K mi. \$5,000. Fred, Ext. 3498.

**97 NISSAN ALTIMA GXE** - 4dr, 4cyl, a/t, a/c, c/c, p/w, rem. dr locks, cd/fm, new muff, brks, white, fair cond., 26 mpg. 172K mi. \$1,650/neg. Ext. 3413 or 871-9060.

### Furnishings & Appliances

**CHINA** - Coventry China-Palace Garden serv. for 12, \$100; Fisher bookshelf cd/am/fm stereo, \$25 photos avail. Ext. 5090 or 828-2172.

**COUCH, LOVE SEAT** - Couch with matching loveseat, exc. cond., asking \$250. Arshe, Ext. 4648 or 646-875-0656.

**ENTERTAINMENT CENTER** - lg, mahogany, capacity E/C, holds 60" tv, glass shelves on top for china decor. \$200/obo. 356-5582.

**GIRL'S CANOPY BEDROOM SET** - incl. twin matt./bs, night tbl, dresser w/mirror, v/gd. cond., \$150. Ext. 4929.

**GRACO PACK & PLAY** - Great condition, \$15 obo. Anna, Ext. 7132 or 793-4551.

**LEATHER CHAISE** - full size, in diamond cond., ask/\$150/neg. Mei, Ext. 3397.

**MOVING SALE**- twin mattress, box, and metal frame, \$10; study desk, \$8. Huan, Ext. 3829.

**RANGE HOOD** - 36", Broan QT236, biscuit color; Verona 24" biscuit gas cooktop, both v/gd. cond., \$75/ea. Ext. 4575 or 473-3604.

**TWIN MATTRESS** - Sealy Posturepedic. Only used two nights for guest. Purchased for \$159 asking \$75 or best offer. Bob, Ext. 8440 or 831-4647.

### Audio, Video & Computers

**ALTO SAXOPHONE** - Yamaha YAS-23 in excel cond. \$575/neg. Maryann, Ext. 4705 or 929-3978.

**IMAC** - latest version, 20", 2.4ghz, 1GB, 250GB hd, brought for \$1250 in Aug. ask/\$1000. Zhenning, Ext. 2787 or 875-8985.

**VERIZON CELL PHONE BUNDLE** - Samsung A670 cameraphone, charger, clip, and USB charging/sync cable with driver CD-ROM, \$20. Ext. 3621.

### Sports, Hobbies & Pets

**FLEETWOOD TRAVEL TRAILER** - '05, 32', Prowler, tow bars & hitch incl., sleeps 10, quad bunks, q/bdrm, full bath. 807-9916.

### Tools, House & Garden

**COLEMAN GENERATOR 1850** - Powermate, rarely used, great condition. \$300 obo. Anna, Ext. 7132.

**ELECTRIC WINCH** - 12,000/lb cap, Warn-Built w/ mounts for '05 Dodge Pwr. Wagon, \$1,000. Peter, Ext. 3981 or 872 8963.

**POOL** - above grnd., Doughboy, 16x25, gd. cond. needs new liner, Hayward cartr pump, extras. \$200, u-pic-up. 793-4551.

**SNOWPLOW** - 7.5' Western, ultramount, midweight, pwr angle, truck mount and controls missing. \$1,500. Peter, Ext. 3981 or 872-8963.

**WINDOWS** - 71 3/3 x 47 3/4, 2 orig \$250 ea, asking \$100/both. Silverline vinyl casement. 516-429-1962.

### Miscellaneous

**FIREWOOD** - 8-inch to 15-inch, mixed lengths, \$250/cord/delivered. Michael, Ext. 5262 or 284-2277.

**SPRINKLERS** - winterize, poly pipe, installs/repairs. 284-2277.

### Happenings

**BLOOD DONOR DRIVE** - Sat 11/29, 9-2:30 PM, Immaculate Conception Church Parish Center Building, 580 Main St. Westhampton. Ext. 8032.

**CONCERT** - Intro to M. Proust's *A la Recherche du Temps Perdu*: Debussy, Hahn, Chaminade, Satie, soloist Leslie Rosenthal. Free. Friday, 11/21, 7 p.m. Shoreham-Wading River Library.

### Free

**KITTENS, MALE** - three, 8/wks old, orange/white, 1/blk/white, litter box, trained. Peter, Ext. 3981 or 872-8963.

**SLEEPER COUCH** - old but gd cond., beige jute color, full sz bed, u-pic-up in Rvrhd, email pics avail. Ext. 5257.

**VERTICAL BLINDS** - used, 84"l, 78"w, beige, for sliding glass dr., in perfect shape, incl. valence, shrey@bnl.gov. Travis, Ext. 7451.

**WOOD WARDROBE CLOSETS** - two, painted, sliding doors, gd cond., u-pic-up. Jeanne, Ext. 2277.

### Wanted

**KITCHEN TABLE SET** - free or sm. chg., table w/4 chairs, gd. cond. Christine, 455-3194.

**LAWN MAINTENANCE** - person to clean-up leaves bi-wkly. now until the end of Spring. Judy, 375-7959.

**METAL WORKING TOOLS** - reasonably priced grinders, saws, welding equipment, presses, vises, clamps and mechanic tools. Gary, Ext. 7779.

### For Sale

**BELLPORT** - 4-BR ranch, 2 bath; l/r & sep. den w/back-to bk firepl; eik; oak fls; priv. deck, large laundry rm; fin bsmt with 4th BR, bar, bath, 2 more rms; gar, 2 shds w/elctr; sprinklrs. \$375,000 949-7797.

**RIDGE** - cust. Victorian, 3,000 sq.ft., mins to Lab, 4/5 BR, 2+1/2 bath, jacuzzi, h/wd flrs, cent. air, full bsmt w/sep ent., 2-car gar, 1 acre+, adjacent to protected land. \$549,000/neg. 255-8445.

**RIDGE** - 4-bdrm Colonial and property, 2 1/2 bath, l/r/eik, close to Lab, fin. bsmt, bdrm, or, great for mom or income potential, upgrades! \$439,990 807-9916.

## St. Martens' Party, 11/8 With Pot Luck Dinner

The BNL Hospitality Club and the German School of Long Island cordially invite all to the annual "St. Martinsfeier Laternenlauf," a St. Martins Party and Pot Luck Dinner, to be held tomorrow, Saturday, November 8, 4:30-8 p.m., at the Recreation Hall. Visitors to the Lab age 16 and older must bring a photo ID.

Bring a lantern for each child, a dish to share for dinner or dessert, a flashlight, warm clothing — and a singing voice for the parade! The events of the evening will include St. Martin's story, a parade with lanterns, dinner and dessert, children's games, and a sale of German Advent calendars.

For more information on the festival and how to make lanterns, visit [www.martin-von-tours.de](http://www.martin-von-tours.de) or [www.kidsweb.de/basteln/martin.htm](http://www.kidsweb.de/basteln/martin.htm). To give an idea about how many will attend the party, contact Simone Oppenheimer, 929-0043 or [soppenheimer@optonline.net](mailto:soppenheimer@optonline.net).



Roger Stoutenburgh D3161008

## Veterans' Day, 11/11

**BNL will be closed on Tuesday, November 11, in honor of Veterans' Day. For information about the Brookhaven Veterans' Association, see [www.bnl.gov/bera/activities/va/](http://www.bnl.gov/bera/activities/va/).**



BNL Food Drive bins are placed in Berkner Hall lobby, Bldg. 400 lobby, and near the Mail Room in Bldg. 179. Please fill them up!

**SHIRLEY** - 4 Br, 2bth, full bsmt, large prop. ag pool, hot tub, solar hot water, 10 min to Lab. \$259,000. Mark, Ext. 3172 or 365-9822.

### For Rent

**HOLTSVILLE** - 3 bdrm, d/r, l/r, full bath, kit, f/p, priv ent, big backyd, cable, 15 min to Lab, 1 mo sec. \$2,400/mo./neg. ALAN, Ext. 3114 or 286-0218.

**MEDFORD** - 2 bdrm, grnd level apt., quiet st., eik w/new appl. 15x10 bdrm, 20x25 l/r, f/p, lg bath & closets, heat/water/cable incl., sep elec., pvt ent./use of \$1,400/mo. 730-8866.

**MIDDLE ISLAND** - 1 bdrm, l/r, full kit. & bath, bsmt apt, incl. all, 10 min. to BNL. priv. ent/drwy, clean, quiet, no smkg/pet, int/phone incl. \$850/mo. Istvan, Ext. 7020 or 672-2451.

**NAPLES, FL** - 2br, 2ba, furn condo in gated golf community, Jan-Mar., non-seasonal/annual rental avail. at substantially lower rate, seasonal rate \$3,250/mo. Denice, 523-7870.

**ORLANDO, FL** - a wk avail. at Vistana Resort, 12/26-1/2, a unit in the Fountains area, sleeps 8. \$1,000/wk. Diane, Ext. 8122.

**RIDGE** - 1 bdrm apt, l/r/eik, lg bath, office space, plenty of closets, 2 mi to Lab, carpool avail., new carpet & fresh paint. \$1,000/mo. 252-3356.

**RIDGE** - lg, clean 1 bdrm bsmt apt, high hats galore, windows, oversized bath, new carpet/ paint, avail. 12/1, min. to Lab. \$1,050/mo. 807-9916.

**ROCKY POINT** - 2 bdrm. apt., heat, hot water incl., off-st. prkg, s/facing, walk to stores, 15 min. to Lab, mcbennet@umich.edu. \$1,200/mo. Marcus, 734-649-5800.

**SHOREHAM** - spacious, clean, furn. studio apt, sep. ent., kit. & bath, lg. deck, big yd., sep. therm, cable TV, no smkg/pets, 7 min to Lab. \$775/mo./neg. 821-4318.

**WEST DOVER, VT** - Mt. Snow VT, house sleeps 12, 3 full baths, walk to mountain, rent by wk or wkend. \$900/wk. 928-0397.

### On-Site Services

**ENTERPRISE CAR RENTAL** - Bldg. 400 lobby. Cars, pick-ups, vans available. Discounted rates for BNLeers. Ext. 4888.

**SERVICE STATION** - Inexpensive gas prices, NYS inspections, oil changes, repairs, while you are at work. Ext. 4034.

**CAFETERIA** - Take-out orders are available for delicious heat-&-serve Thanksgiving Day Dinners for 12 to 15 people at \$150 + tax, or holiday pies: apple, blueberry, pumpkin, \$10 + tax ea.; pecan pie, \$12 +tax. Please order by Nov. 20, pick up by Nov. 26 before noon. Ext. 3541.