

Long Island Pine Barrens Society Awards BNL

The Long Island Pine Barrens Society honored BNL with its 2004 award for "Outstanding Contribution to Long Island's Environment" at the Society's 27th Anniversary Environmental Awards Gala, held at the Carlyle on the Green in Bethpage State Park on October 7.

The citation on the award reads: "To Brookhaven National Laboratory for your commitment to excellence in environmental remediation and your involvement with the Long Island community."

BNL Director Praveen Chaudhari commented, "We are proud to accept this award from the Long Island Pine Barrens Society. The Laboratory is committed to excellence in protecting the environment, and we seek and

value community input in all important decisions that we make concerning the environment."

The Long Island Pine Barrens Society is a nonprofit, nonpartisan environmental education and advocacy organization fo-

undeveloped, occupies about five percent of the Long Island pine barrens.

Richard Amper, Long Island Pine Barrens Society Executive Director, said, "The Lab listened to the environmental and civic community, and has literally cleaned up its act, above and beyond the call of duty."

As one of its founding members, the Long Island Pine Barrens Society continues to serve on the Lab's Community Advisory Council (CAC). The CAC is composed of a widely diverse group of organizations and has been advising BNL on the community's values and perspectives on environmental issues for more than six years.

(continued on page 3)

"To Brookhaven National Laboratory for your commitment to excellence in environmental remediation and your involvement with the Long Island community."

— Long Island Pine Barrens Society

cusing on protecting drinking water and preserving open space. Long Island's 100,000 acres of pine barrens act as a filter to purify groundwater, which is the only source of drinking water for both Suffolk and Nassau counties. BNL's 5,300-acre site, which is largely

undeveloped, occupies about five percent of the Long Island pine barrens.

(continued on page 3)



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9th Annual Pine Barrens Research Forum Held at BNL

BNL, with the Central Pine Barrens Joint Planning and Policy Commission, and the Long Island Groundwater Research Institute, hosted the 9th Annual Pine Barrens Research Forum on October 8. This annual event allows the sharing of information concerning pine barrens habitats, ecology, and groundwater issues.

Of special interest this year was the "Twinning" agreement's signing, between the Central Pine Barrens Commission and its twin, the Migliarino-San Rossore-Massaciuccoli (MSRM) Regional Park in Tuscany, Italy. At the signing were MSRM Manager Sergio Pagliulunga, MSRM consultant Federico Niccolini, New York State Senator Kenneth LaValle, New York State

Assemblyman Thomas DiNapoli, Pine Barrens Commission Chair Peter Scully, former General Counsel to the Pine Barrens Commission James Rigano, and Paul Bray of Bray Planning & Environmental Law, who acted to establish the twinning effort and moderated comments and the signing. As was made clear at the forum, by signing the Twinning agreement, Long Island's Central Pine Barrens Commission and Tuscany's MSRM Park opened the

doors for future collaborations and understanding of the efforts of environmental planning and conservation at the two localities.

In addition, the approximately 120 forum participants attended a full agenda of talks, which focussed on this year's topic: "Monitoring: What and Why?" Talks ranged from the latest efforts to understand distributions of dragonflies and damselflies to understanding and monitoring vegetation of the pine barrens through interpretation of satellite imagery. Other important talks, for example, on groundwater monitoring and management of forest fuels, were also presented.

Note: See page 2 for an article on BNL's pine barrens' management.



Pictured at the 9th Annual Pine Barrens Research Forum held on October 8 at BNL are: (front, from left) Migliarino-San Rossore-Massaciuccoli (MSRM) Regional Park Manager Sergio Pagliulunga, MSRM consultant Federico Niccolini, New York State Senator Kenneth LaValle, and New York State Assemblyman Thomas DiNapoli; (back, from left) Paul Bray of Bray Planning & Environmental Law, DOE Brookhaven Site Office Manager Michael Holland, and former General Counsel to the Pine Barrens Commission James Rigano. Not pictured is Pine Barrens Commission Chair Peter Scully.

Hope for Treating Inhalant Abuse GVG may reduce addictive effects of "huffing"



Stephen Dewey

A new study led by Stephen Dewey of the Chemistry Department suggests that vigabatrin, also known as gamma vinyl-GABA or GVG, may block the addictive effects of toluene, a substance found in many household products commonly used as inhalants. These results broaden the promise of GVG as a potential treatment for a variety of addictions. Team researchers Dianne Lee, Medical Department; Wynne Schiffer, Chemistry; and Dewey published their findings in *Synapse* online on September 30, available in print in the December 1, 2004, issue. This research was funded by the Office of Biological & Environmental Research within DOE's Office of Science and the National Institute on Drug Abuse (NIDA).

Inhalant abuse or "huffing" continues to grow as a serious health problem: According to NIDA, the number of new inhalant users increased from 627,000 in 1994 to 1.2 million in 2000. The chronic use of inhalants has been associated with heart, liver, kidney, and brain damage — and can even result in sudden death.

The BNL study demonstrates that animals previously trained to expect toluene in a given location spent far less time "seeking" toluene in that location after being treated with GVG than do animals treated with a placebo. This elimination of conditioned place preference — a model of craving in which animals develop a preference for a place where they have previously had access to a drug, even when the drug is absent — is similar to data obtained in BNL's earlier studies of GVG with nicotine and heroin.

"The findings of this study extend the potential value of GVG for the treatment of addiction," says Dewey. "More importantly, our results show promise in treating inhalant abuse as it continues to grow as a problem among adolescents." There are currently no pharmaceutical treatments for inhalant abuse.

Lee and Schiffer conducted the study by putting rats through a series of conditioning tests. The tests were intended to condition the animals to associate which chamber, of a three-chambered apparatus, contained toluene vapors. On the final day of the study, animals were randomly administered either saline or GVG one hour prior to testing. Scientists then gave the rats free access to the chambers with no toluene present while monitoring the animals' behavior.

The researchers found that animals treated with GVG spent 80 seconds on the side of the chamber where they had previously received toluene as compared to the saline-treated animals, which spent 349 seconds in the "toluene" chamber. "GVG significantly blocked toluene-seeking behavior in these rats," Dewey said.

Earlier research at BNL had demonstrated the addictive nature of inhalants. A team led by Dewey found that toluene elevates dopamine in the same regions of the brain as other addictive drugs, such as cocaine. The neurotransmitter dopamine is associated with the activation of pleasure and reward circuits in the brain.

Inhalant abuse is among the most common forms of drug abuse, particularly among pre- and early adolescents, who inhale or "huff" chemical vapors found in many common household products that are not generally thought of as drugs. Seventy-one percent of inhalant users are 12-to-25-year-olds, according to the 2002 National Survey on Drug Use and Health performed by the U.S. Substance Abuse & Mental Health Services Administration.

Dewey and Jonathan Brodie, a psychiatrist at the New York University School of Medicine, have collaborated at BNL on a large body of preclinical research on GVG as a potential treatment for addiction, and on two small-scale trials of GVG in Mexico — one published, the second currently in press. Results from the preclinical and early clinical trials show that GVG holds promise as a treatment for addiction to a variety of abused drugs.

In October 2002, Catalyst Pharmaceutical Partners of Coral Gables, Florida, received an exclusive worldwide license from Brookhaven Science Associates, BNL's operator, for the use of the drug GVG for its application in treating drug addiction.

— Karen McNulty Walsh

For more information on inhalants, go to: www.nida.nih.gov/ResearchReports/Inhalants/Inhalants.html and, for information for children, see: www.nida.nih.gov/MOM/IN/MOMIN1.html.

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 Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Recreation Bldg. and at the laundry, both 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 & Wednesdays: Pilates

Mon., Noon-1 p.m. in the Rec. Hall; Wed., 5:30-6:30 p.m. in the Rec. Hall. Christine Carter, Ext. 5090.

Mondays & Wednesdays: Yoga

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

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon., noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., noon-1 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. North Room. Registration is required. Christine Carter, Ext. 5090.

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

Noon-1 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or 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. Cindy Ottemann, 849-2646.

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.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$5 per class or \$40 for ten classes. Rec. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tuesdays & Thursdays: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistration is required. Christine Carter, Ext. 5090.

Tues., Thurs., Fri.: Upton Nursery School

8:30-11:30 a.m. Amie Kennedy, 727-8082, abk22@care2.com, Christine Carter, Ext. 5090, for information.

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. Kati Petreczky, 821-4131.

Wednesdays: Farmer's Market

11:30 a.m.-1:30 p.m., Berkner Hall parking lot.

Wednesdays: Weight Watchers

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

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Dance Lessons

5:15-8 p.m. Brookhaven Cntr., North Room. BNL Ballroom Dance Club hosts lessons, beginner to adv. John Millener, Ext. 3853.

Thursdays: Reiki Healing Class

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

Thursdays: FreshDirect Delivery

3:30-5:30 p.m., Berkner Hall parking lot.

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.

— NEXT WEEK —

Monday, 10/25

IBEW Union Meeting

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

Volunteers in Partnership BNL Employee

Every Thursday at 5:00 p.m., Plant Engineering's Barbara Royce leaves the Lab for Middle Island's Thee Island INN to help feed the hungry.

Thee Island INN is a soup kitchen that operates as part of a network of 19 Long Island soup kitchens sponsored by the Interfaith Nutrition Network, a nonprofit, nondenominational service organization. The primary mission of Thee Island INN, which is open two nights a week, is to provide meals to the hungry. They also have a free food pantry, free clothing, and food baskets for the holidays, as well as donated toys and school supplies for the children.

Royce, Manager of Emergency Management and Building Manager Programs, has been volunteering at the soup kitchen for more than five years. She said she became interested in this organization because she enjoys helping people in need, especially children. "The kids are simply victims of circumstances," said Royce. So, every September, she focuses on getting donations in order to purchase school supplies and then distributes them to the kids who need them. Adds Royce, "I can't imagine being a kid who has to go to school without a notebook, pencils, or ruler."

Volunteers who staff the kitchen are united in their work. They are there to help neighbors in need. They come to the soup kitchen one or two days a week to prepare or serve food and meet with the guests.

The soup kitchen relies heavily on donations primarily provided by schools, community groups, individuals, and local businesses. For instance, a local restaurant may have

Barbara Royce Serves up the Soup!



Roger Stouhenburgh D0701004

Representing BNL, Marge Lynch (third from left), Assistant Laboratory Director for Community, Education, Government & Public Affairs (CEGPA), accepts from Carol Vetere (fourth from left), Thee Island INN President, a citation thanking the Lab for support given through BNL's Volunteers in Partnership program, which is run by Elaine Lowenstein (left) of CEGPA. Triveni Rao (second from left) of the Instrumentation Division and Barbara Royce (right) of the Plant Engineering Division spend time as volunteers at Thee Island INN.

trays of leftover food after an event, and will donate them to the soup kitchen. Recently, Brookhaven Science Associates (BSA) contributed toward monthly operational costs for the soup kitchen under the auspices of the Volunteers in Partnership (VIP) Program, which is coordinated by Elaine Lowenstein of the Community, Education, Government and Public Affairs Office. Under the VIP Program, BSA may provide up to \$300 to nonprofit organizations for permit fees and/or project materials. Projects that involve advocacy groups, special political interests or specific religious affiliations are not eligible for the VIP Program.

Said Royce, "The support from the Lab community has been incredible. Often, I walk in to my office and find bags of donated

clothing, toiletry items, and baby food. While some families just need a little help to make ends meet, others are struggling tremendously to supplement their monthly income. Some people are so grateful when they find even the smallest gift or toy that they can bring home for their child's birthday. Each week I see families come and go, but my feelings for these people always stays the same. I know that each day I am there I am providing an important community service."

To learn more about Thee Island INN, or other local community organizations looking for volunteers, come to the BNL "Sharing Our Caring" Volunteer Expo on November 3rd (see notice on page 3). If you wish to donate items to Thee Island INN, then contact Barbara Royce, Ext. 2098 or royce@bnl.gov.

For more information on the VIP Program, contact Elaine Lowenstein, Ext. 2400, or go to: www.bnl.gov/community/vip/body.htm — Jane Koropsak

Walk for Autism Research, 10/24

Join the 3.1-mile "Walk F.A.R. for NAAR" event on Sunday, October 24, at Jones Beach State Park. All proceeds benefit the National Alliance for Autism Research (NAAR). Registration starts at 9 a.m. in Parking Field 5 near the Tommy Hilfiger Theater. The walk begins at 10:30 a.m. For more information, contact Ray Duffield, Ext. 3301 or duffield@bnl.gov; or Mary van Gemmeren, Ext. 4124 or mvangemm@bnl.gov.

BNL Hosts Wildfire Academy: Ecological 'prescribed burn' planned for next week

BNL will host the New York Wildfire and Incident Management Academy's seventh annual Academy from October 22 to November 1. Field training exercises scheduled during the 11-day Academy include an ecological "prescribed" burn of underbrush on approximately five acres of the 5,265-acre BNL site, as well as courses in "Wildfire Powersaws," "Portable Pumps & Water Usage," and "Basic Firefighting and Wildland Fire Behavior."

Prescribed burns are non-catastrophic fires that are set and contained by trained professionals after much planning, and are used worldwide to manage the ecology of grasslands, forests, and other types of ecosystems.

In the U.S. since the 1960s, controlled fire has been the preferred method for use in certain areas to reduce the build-up of dead, overcrowded and/or unhealthy trees and brush; prepare the land for the growth of new vegetation and help certain trees and plants to germinate; create habitats necessary for certain plants, trees, and animals to survive and thrive; and to reduce the likelihood of an uncontrolled wildfire ravaging across the land. About 10 to 20 prescribed burns are conducted on Long Island each year, used to help manage county, state, and federal land.

At BNL, a prescribed burn is planned to clear underbrush vegetation on about one percent of the 530-acre Upton Ecological & Research Reserve, which is managed by the U.S. Fish & Wildlife Service (F&WS) and located on the eastern portion of the Lab site.

According to Natural Re-

sources Manager Tim Green, Environmental & Waste Management Services Division, the purpose is to improve the ecology of part of the on-site Pine Barrens forest.

"The Pine Barrens developed with fire, which clears out dead and diseased trees and allows new trees to sprout," said Green,

"but much of the forest on site hasn't seen fire in 75-plus years. Without fire, the forest is just getting older and dying. By having a prescribed burn, we hope to rejuvenate it and maintain the mosaic of habitats that now exist in the Pine Barrens."

The prescribed burn will accomplish this in two ways: First, by clearing overgrowth and thereby allowing nutrients to be released to the soil and sunlight to fall on the forest floor, oak and pine seedlings will be encouraged to sprout. Second, by reducing the numbers of orange-striped oakworm pupae, there will be fewer oakworms consuming oak leaves next spring and summer.

The burn has been approved by BNL, DOE, the New York State Department of Environmental Conservation, and the F&WS. The land to be burned is bordered by firebreaks on the north, east, and west, and, on the south, by a drainage ditch and road.

Fire operations will be carried out by the NY Wildfire and Incident Management Academy. Brookhaven Lab's fire department will stand by with pumper trucks in case it becomes necessary to extinguish the fire. Employees may see some smoke associated with the fire.

The actual date of the prescribed burn will be set based on the most favorable weather conditions. — Peter Genzer



A view of BNL's pine barrens

Roger Stouhenburgh D0701004

2004 Healthfest Month: Health, Fitness, Safety for Everyone!

The camera looks right through the smoke to locate heat from bodies or the source of a fire," says Charles La Salla of BNL's Fire/Rescue Group. "What you can't see 10 feet away, you can see clearly on the camera. It's pretty amazing."

Using "theatrical smoke," which mimics the effects of a real fire without the harmful airborne elements, the demonstration provided BNLeers a rare chance to see what it is like to be in such conditions, and how to respond.

"You couldn't see five feet in front of you," says Healthfest co-chair and demonstration participant Denise DiMeglio, "You have the amazing realization you literally cannot see."

La Salla explained to participants the importance of dropping to the ground to avoid the poisonous upper air.

The Thermal Imaging Camera shows shapes of people and objects in the form of



Roger Stulenburgh 04/09/04

As one of the Healthfest 2004 events, Charles La Salla of Emergency Services demonstrates how a hand-held thermal imaging camera works under simulated fire conditions. Almost lost in the "theatrical smoke" are: (from left) participants Denise DiMeglio, Jeff Mirando, Nedy Santiago, Cheryl Conrad, Nicole Bernholc, Michael Thorn, and Craig Diaz.

black and white and color, depending on the temperature of the object.

"It was really fascinating to see on this camera an object right in front of you that you couldn't see with your naked eye," says Healthfest co-chair and fellow demonstration participant Michael Thorn.

DiMeglio and Thorn are pleased that this year's expanded Healthfest is going very well.

New activities, such as the Fire Safety demonstration, 400-yard swim, Laugh at Lunchtime, and the "This Is Why I Work Safely" badge, are proving to be popular.

"We're expanding," says Thorn, "What we try to do is coordinate with lots of groups on-site to offer the best resources and to be creative.

"Times can be stressful at the Lab," he continues. "Healthfest provides everyone an opportunity to relax, get together with their peers, and enjoy the many resources the Lab has to offer. There's something for everyone."

This year's Fitness Walk had a record turnout, and, as during previous BNL Healthfests, Massage Day was booked solid. "Who doesn't want a massage?" asks DiMeglio. — Amber Melosi

'Sharing Our Caring' Volunteer Expo, 11/3

Everyone is invited to visit Berkner Hall lobby at lunch time on Wednesday, November 3, where approximately 25 BNLeers who volunteer their time to help various service agencies will be holding a "Volunteer Expo" — to explain some of the reasons why they support this worthwhile work.

Representatives from each agency will be there also, with information about the contributions to the Long Island community made possible by these efforts. You may find a new interest in helping one of these organizations yourself.

Arrivals & Departures

Arrivals	Departures
Rakefet Tsbari Medical	Yongbin Leng C-A
Zhong Wang Chemistry	

Join BNL's 'Disability Jeopardy,' 10/28

Celebrate National Disability Employment Awareness Month by participating in "Disability Jeopardy," an interactive lunchtime activity, on Thursday, October 28, at noon in the Bldg. 911A, Snyder Seminar Room. Contestants and audience members are welcome. To sign up to be a contestant or for more information, contact Stasia Ann Scocca, Ext. 3979, or scocca@bnl.gov.

Volunteers should be comfortable in interacting with people with disabilities. As this event will show, achieving a comfort level with individuals with disabilities eliminates anxieties about making mistakes and allows all involved to focus on the job at hand.

Upcoming BERA Events:

Purchase tickets at the BERA Store — see calendar for details.

Bus Trip to NYC's 'Museum Mile,' 11/11

\$10 per person - bus departs at 9 a.m. Pay your own museum entry fees.

Bus Trip to Peddler's Village, 12/4

\$20 per person - bus departs at 9 a.m.

Radio City Holiday Spectacular, 12/5

\$80 per person - 3 p.m. show.

3rd Annual Holiday Party, 12/17

\$50 per person - 6-11 p.m., East Wind Caterers, Wading River

LI Pine Barrens Society Awards BNL (cont'd.)

Amper also commented favorably on the Lab's "adopting a process of pollution prevention." In the last decade, BNL's waste generation has been reduced by 80 percent. Significant reductions have been achieved by funding a digital photographic and imaging system, switching to nontoxic waterborne paints, and enacting proposals submitted by employees under BNL's pollution prevention program.

As part of its pollution prevention efforts in 2003, the Lab reduced or recycled about 2,300,000 pounds of material, including paper, industrial, hazardous and radioactive waste, saving the Laboratory approximately \$2 million.

George Goode, Manager of the Environmental and Waste Management Services Division, started the pollution prevention program at BNL in 1991. "The best way to manage environmental problems is to not create them in the first place," he commented. "Thus, pollution prevention is a powerful tool."

The Rauch Foundation, a local philanthropy, also won an award at the ceremony: the 2004 "Environmental Achievement Award." Previous award winners include Newsday, Cablevision and KeySpan Energy.

To view the Long Island Pine Barrens Society press release on its award to BNL, go to: <http://www.pinebarrens.org/news/>.

— Diane Greenberg

Blues Concert Featuring Roy Book Binder, 11/12

All are invited to Berkner Hall on Friday, November 12, at 7:30 p.m. for a BNL Music Club-sponsored concert featuring blues great Roy Book Binder.

The concert, titled "Americana Diaries: A Journey Through American Music," celebrates America's rich acoustic tradition with some of the best blues and roots artists in the country, such as Patrick Sweany, Michael Falzarano, Aaron "Professor Louie" Hurwitz, and Marjorie Thompson.

The concert is open to the public. All visitors age 16 and older must bring a photo ID.

Tickets are \$15 each at the BERA Sales Office in Berkner Hall. For more information, call 344-3846, or go to www.bnl.gov/bera/activities/music/.



Retirement Counseling, 10/26, 10/27

A TIAA-CREF consultant will visit BNL on Tuesday, October 26; and Wednesday, October 27, to answer employees' questions about financial matters. For an appointment, call Duane Walden, (800) 842-2733, Ext. 7289.

BNL Gets New Chase VISA Travel Card Replaces BNL Diners Club Card

Effective November 1, the J.P. Morgan Chase (JPMC) VISA Travel Card will officially replace the present Citicorp Diners Club Credit Card. JPMC VISA will provide BNL employees with added convenience and acceptability while on business travel, and also will reduce travel and administrative costs for BNL.

Multiple benefits associated with the JPMC VISA Travel Card:

- Acceptability – Widely accepted by 31 million merchants worldwide
- Reduces Need for Cash – Widespread acceptance reduces the need to carry large amounts of cash
- Cash Advances – Travelers are expected to use their VISA Travel Card to obtain ATM cash advances for out-of-pocket expenses. A 2.0 percent transaction fee per cash advance amount is reimbursable by the Laboratory to the extent of one ATM access per week, or portion thereof

Insurance Benefits/Travel Assistance:

- Travel Accident/Common Carrier Insurance - \$500,000
- Lost/Damaged Luggage Assistance - \$1,250
- Hotel/Motel Theft - \$1,000
- Primary Auto Rental Insurance – \$50,000 for rentals when the primary use of the car is for business purposes
- Medical Referral Assistance – Emergency treatments are covered up to \$2,500
- Emergency Transportation Assistance – When a cardholder is hospitalized for more than eight days, VISA will provide a roundtrip ticket for a relative or friend to join the cardholder
- 24-Hour Customer Service 1-800-270-7760.

The JPMC VISA Travel Card will be issued to all employees who are identified by their department chair or division head as expected to travel. Card application form and fact sheet may be obtained from the BNL Travel Office, Bldg. 179B or from the following web site: http://intranet.bnl.gov/fsd/travel_information.asp.

Completed applications should be returned to Sylvia Mouzakes, Bldg. 179B. Diners Club cardholders should have received a replacement JPMC VISA Travel Card. New cards must be activated by calling 1-800-270-7760.

Calendar

(continued)

Thursday, 10/28

*'Disability Jeopardy'

Noon, Bldg. 911A, Snyder Seminar Room. Celebrate National Disability Employment Awareness Month: come to "Disability Jeopardy." Contestants and audience members welcome. Stasia Ann Scocca, Ext. 3979, or scocca@bnl.gov. See notice below, left.

Friday, 10/29

*Tommy James & The All Stars

8:30 p.m., Brookhaven Center. All are invited. Dance to live classic American Cultural Swing music. If you wear a Halloween costume, you may win a prize! Tickets are \$10 each, at the door only. See notice, page 4. Rudy Alforque, Ext. 4733, or rudy@bnl.gov.

Saturday, 10/30

*Children's Halloween Party

5 p.m., Recreation Hall. Activities: arts, crafts, fortune telling, games, a costume parade, and spooky stories. Wear a costume (parents, too!) and bring a snack to share. Pumpkin pie and hot cider will be provided. Kati Petreczky, 821-4131, or julika@optonline.net. See page 4.

— WEEK OF 11/8 —

Wednesday, 11/10

Last Farmer's Market of 2004

11:30 a.m.-1:30 p.m., Berkner Hall Lobby. Thanksgiving and holiday shopping. Stop by and support the market vendors. Joanne Rula, Ext. 8481, jrula@bnl.gov.

BSA Noon Recital

Noon, Berkner Hall. Violinist Anton Polezhayev performs, all welcome.

Thursday, 11/11

*Veterans' Day Trip to NYC Museums

\$10 per person. Coach bus will leave BNL at 9 a.m. and return at about 5 p.m. Make paid reservations at the BERA Store, Monday-Friday, 9 a.m.-3 p.m. Riders pay their own entry fees for museums.

— WEEK OF 11/15 —

Tuesday, 11/16

BERA Monthly Business Meeting

Noon, Bldg. 475, Room 107. All are welcome. Joyce Tichler, tichler@bnl.gov.

Thursday, 11/18

Family Planning Talk

Noon-1 p.m., Berkner Hall, Room B. Katherine Burnett, Vice President of Medical Services at Planned Parenthood Hudson Peconic, Inc., presents the Health Promotion Program talk "Family Planning: Today & Tomorrow." Michael Thorn, Ext. 8612, or mthorn@bnl.gov.

— WEEK OF 11/29 —

Thursday, 12/2

BNL Career Network Group Meeting

Noon, Berkner Hall, Room A. All are welcome. Cathy Wehrmann, Ext. 7823.

Saturday, 12/4

Bus Trip to Peddler's Village

\$20 per person. Make paid reservations at the BERA store, Monday-Friday, 9 a.m.-3 p.m. The bus departs from the Brookhaven Center at 9 a.m. and leaves the Village at 5 p.m.

Sunday, 12/5

Radio City Holiday Spectacular

\$80 per person includes orchestra seats for a 3 p.m. show, roundtrip luxury bus transportation, and free time in the Rockefeller Center area to shop, browse, or dine. Buy tickets at the BERA Sales Office in Berkner Hall.

— WEEK OF 12/13 —

Friday, 12/17

BERA 3rd Annual Holiday Party

6-11 p.m. at East Wind Caterers, Wading River. Buy tickets at the BERA Store. \$50 per person includes a five-hour open bar, hors d'oeuvres, full dinner buffet, dessert, and DJ entertainment. Christine Carter, Ext. 5090.

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.

American Physical Society Posting

ASSISTANT EDITOR, *REVIEWS OF MODERN PHYSICS* - The American Physical Society (APS) is seeking an individual to serve as the Long Island member of the editorial staff of the *Reviews of Modern Physics (RMP)*, the world's leading review journal in physics. As a review journal, *RMP's* operation features customized handling of individual authors and manuscripts, and a strong emphasis on technical editing to ensure clarity of published papers. The Assistant Editor will correspond with authors and referees under the guidance of the remote Editor and Associate Editors, take primary responsibility for tracking of the editorial process, and have the lead role in the technical editing of manuscripts. We seek an individual with significant experience in editorial aspects of scientific publishing. Bachelor's degree, preferably in a physical science, is required; advanced degrees a plus. The successful candidate will have excellent interpersonal, communication, and organizational skills; decision-making ability and mature judgment; and the ability to operate independently as needed. Competitive starting salary, comprehensive benefits package and job stability offered. Visit our website at publish.aps.org. For consideration, send cover letter (include starting salary requirement) and resume via e-mail, fax or U.S. mail to: Director of Human Resources, American Physical Society, 1 Research Road, Box 9000, Ridge, NY 11961, e-mail: edresumes@aps.org or fax: 631-591-4155.

Classified Advertisements

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK3192. ASSOCIATE SCIENTIST (S-2, reposting) - Requires a Ph.D. in a scientific or engineering field, working knowledge and experience with the International Atomic Energy Agency (IAEA), hands-on experience in the design and operation of nondestructive assay (NDA) equipment and hands-on field implementation, maintenance, and support of NDA equipment, especially in the areas of wet and dry storage of spent nuclear fuel. Additional requirements include hands-on in-the-field NDA expert support of IAEA inspections, development and use of x-ray backscatter tomography, and Monte Carlo simulation code development and use and experience with the State's System of Accounting and Control of Nuclear Material of an IAEA member state including the planning and execution of national safeguards inspections at LWR, CANDU, research reactor, and fuel-fabrication plants. Will develop and upgrade national safeguards criteria and inspection procedures, develop remote monitoring systems integrating radiation measurements and video images and database development for safeguards information. Will develop research initiatives to promote international nonproliferation and reduce global danger from weapons of mass destruction supporting National Nuclear Security Administration objectives. Must be able to obtain and maintain a Department of Energy Q clearance. Some domestic and foreign travel will be required. Under the direction of P. Moskowitz, Nonproliferation & National Security Department.

Motor Vehicles & Supplies

04 TOYOTA TACOMA - 5-sp/d., a/c, 4wd, ABA, airbags, am/fm/cass/cd, extended cab, much more, 8,500 mi. \$20,000. Jean, 475-9396.
03 YAMAHA YZ250 - Very little use, with extras, ask \$4,000. (516)315-7833.

02 HONDA CIVIC EX - a/t, sunroof, abs, side air bags, loaded, like new, 34 mpg. 32K mi. \$11,995. Ext. 7992 or 331-4820.

99 FORD WINDSTAR LX - a/t, a/c, p/b, p/w, 3.8L, orig. owner, well maint., v.gd. cond. 96K mi. \$5,500. John, Ext. 3222 or 929-4101.

99 DODGE CARAVAN LE - V6, 3.3L, a/t, a/c, all pwr, rem. start, 2 sliding drs., 7-pass., vg cond., 82K mi. \$5,700/neg. John, Ext. 8082.

98 PONTIAC BONNEVILLE - loaded, audio controls, all pwr, a/c, c/c, cd, awd, s/roof, rem. start, 83K mi. \$5,995/neg. Donna, Ext. 2380.

97 GMC SUBURBAN 1500 - leather, all opts., southern car. Trade up/down for smaller vehicle. 137K mi. \$7,500/neg. Tom, Ext. 8244.

97 HONDA MOTORCYCLE - 750cc, runs, needs brakes. \$300. Marilyn, 516-297-6256 or 744-4077.

97 MITSUBISHI GALANT - 54K mi. \$4,950/neg. 917-572-3993.

97 HONDA CR-V - 4X4 SUV, excel. cond, a/t, a/c, p/s, p/l, p/w, p/b, cd, new tires & brakes 90K mi. \$7,500. Paul, Ext. 7644 or 929-4295.

96 CHEVROLET EXPRESS - Conversion van. Hwy miles. Excel. cond. Dealer maintained. 103K mi. \$5,800/neg. Joann, 878-8263.

95 DODGE NEON - a/t, a/c, abs, am/fm/cd/mp3 +aux, new tires. 133K mi. \$1,800/neg. Ext. 2352.

94 SATURN SL1 - orig. owner, 5-sp/d., needs trans. work, 127K mi. \$650/neg. Mitchell, Ext. 5340.

93 GEO PRIZM - LSI, 5-sp/d., a/c, abs, am/fm/cass. orig. owner, runs well. 105K mi. \$1,000/neg. Bo, Ext. 5184.

93 JEEP CHEROKEE - white, 6-cyl., 5.7L, a/t, am/fm/cd. 160K mi. \$1,900/neg. Lou, Ext. 2910 or 269-5787.

92 CHEVY S-10 BLAZER - good cond., runs well. \$2,000/neg. Tom, Ext. 3085 or 744-4535.

92 SAAB 9000 - Well maint., in good cond. 140K mi. \$2,500/neg. 379-4036.

91 HONDA CIVIC - 2dr, h/back, 5-sp/d., a/c, am/fm/cass, new parts, alloy wheels, inspected 8/27/04. \$1,785. 874-4845.

91 GMC JIMMY S-15 - 4dr, abs, all power, am/fm cass., fair cond., runs well. 70K mi. \$2,300/neg. William, Ext. 3748.

91 HONDA CIVIC - h/back, 5-sp/d., a/c, am/fm/cd, well maint., fr. rt. dent. Avail. 11/1. 109K mi. \$2,500. Ingo, Ext. 5360 or 969-9456.

88 HARLEY DAVIDSON POLICE SPECIAL - 15K mi. \$6,500. Mario, 744-5663.

87 NISSAN DATSUN - 2-dr. Reliable, needs some work, nds. battery. Driver side window fell off track. \$675/neg. Luis, 607-435-2287.

BRUSH/GRILLE GUARD - Manik, for 95-97 and 03 Tacoma, black, excel. cond. \$225. John, Ext. 5195.

TIRES - 4 steel-studded snow tires; P195/65/R15.8K mi., Hankook Zovac HPW401, \$250 obo. Mark, 722-2575, eves.

UTILITY TRAILER - 1,000 lb. capacity, folds for easy storage, new wiring & lights, good cond., ask \$60. Joseph, Ext. 2795.

Boats & Marine Supplies

10' SNARK SUNFLOWER - \$150 neg.; & 10' Sunfish, b/o over \$100; both w/2 sails, life pres., grt. for lake, sound, or bay, 208-0408.

17' MICROCRAFT ALUMINUM - Fresh rebuild on 30hp mariner. 1996 trailer all coast guard equip. incl. \$1,500/neg. Joann, 878-8263.

19' O'DAY MARINER - Yamaha OB, yard trailer, very good cond. In water in E. Hampton. \$1,500/neg. Tom, Ext. 8244 or 329-5622.

19.5' GRADY WHITE - '74 w/Gator trailer, new canvas & seats, gd. cond., \$550/neg. Phil, 878-2239.

15' ALUM. BOAT - Seats five. 25hp Evenrude, trailer, oars, life pres., fire exting., etc. \$600. Phil, Ext. 5475 or 751-0754.

BOAT TRAILER - '94 Magic loader for 17' boat, manual and elec., winches, excel. con., \$900. Arthur, 286-3684.

KAYAK/CANOE ROOF CARRIER - new, never used, cradle kit mounts on roof rack, \$25. Al, Ext. 7859.

Furnishings & Appliances

BED FRAME - queen size, grey/chrome finish w/brass accents, v.gd. cond., ask \$40. Joseph, Ext. 2795.

BOOK SHELVES - 5/\$35 ea.; 4/\$20 ea. Jan, 751-6734.

COAL STOVE - Surdiac Model Gotha 713, 60K Btu, good condition, 33Hx40Lx20D; Make Offer. Call evenings Mark, 722-2575.

DINETTE SET - white; 30 gal. tank w/stand; freezer, \$150; sewing machine, new \$95; wet/dry vacuum, \$19, more. Cheng-Lin, 874-4845.

DINING ROOM TABLE, CHAIRS, ETC - Oval table, 2 leaves, 6 chairs, corner china hutch, good cond. \$500. 589-8331.

FIREPLACE TOOLS - Set of 4 brass tools, excel. cond., w/stand, \$10. Lloyd, Ext. 5225.

INTERIOR DOORS - Two solid wood doors 2'-8" LH hinge, pre-hung, painted white, w/door knobs \$30/ea. Bill, Ext. 2377 or 654-8685.

KITCHEN TABLE - and 4 chairs, excel. cond., \$50. Nouicer, Ext. 4342 or 219-0468.

LIVING ROOM - Sofa & chair, Queen Ann chairs, roll-top desk, Ethan Allen q-mattress, Whirlpool 10K Btu a/c, more. Carol, 821-9017.

MICROWAVE - Sears Kenmore Carousel, blk., 1 cu. ft. capacity, 1,000 watts, new in carton, ask \$60. Joseph, Ext. 2795.

MICROWAVE - sm., works, \$10. Pat, Ext. 3902.

MICROWAVE/TOASTER OVEN - Sharp brand, w/turntable. Toasts, grills, bakes, microwaves, gd. cond. \$100. Deborah, Ext. 3857.

REFRIGERATOR FREEZER - Whirlpool, white side-by-side w/water dispenser in dr., \$400. Tom, Ext. 3085 or 744-4535.

TRUNDLE BED - Second twin mattress stores below top. White, metal frame. Both mattresses in gd. cond. \$30. Gary, Ext. 7045.

WASHER/DRYER - Whirlpool hvy. duty, super cap. wash. mach.; Hotpoint hvy. duty, washr, GE lg. cap. hvy. duty dryer, best offer. 208-4089.

Audio, Video & Computer

VCR - Broksonic, excel. cond. \$25 Lloyd, Ext. 5225.

MONITORS - 21" Cornerstone mon., works well, has jitter when 1st started; 15" Dell mon.; \$100/ea./neg. Warren, Ext. 2080, 751-5245.

PLOTTER - Houston DMP 162R, 36" wide paper path, color and black ink. Perfect for student projects, ask \$75. Joseph, Ext. 2795.

TV - Samsung 20", 3 yrs old, \$50. Henrik, Ext. 5350 or 816-1096.

WIRELESS-G NOTEBOOK ADAPTER - Linksys model WPC54G, 2.4GHz. \$30. Peter, Ext. 4272.

Sports, Hobbies & Pets

PIANO - Winter spinet. Nice tone, dark wood. Great for beginner, v. good cond., \$2000. Alison, Ext. 8367 or 455-2102.

SWING SET - Wood Kingdom, 3 swings, fort w/slide, climbing tower, good cond. \$400. Lloyd, 422-6252.

TENNIS RACKET - Wilson Jack Kramer autographed wooden racket. Excel. cond. Best offer. Artie, Ext. 5937.

WORKOUT STATION - silver plated, w/extra plates - original cost \$2,000, best offer over \$1,000. 208-0408.

WORKOUT STATIONS - 3 stations, chrome plated w/extra plates, orig. cost \$2000, sell for best offer over \$1,000 Ext. 3436.

Tools, House & Garden

EXTENSION LADDER - 22', standard duty, v.gd. cond., used one season, ask. \$60. Joseph, Ext. 2795.

CRAFTSMAN SAWS - 10" radial arm saw, old but good cond., 10" table saw, almost new. \$150/ea. 286-7950.

DRILL PRESS - Bench top model, 1/2" chuck. Good cond. Ask. \$30. Joseph, Ext. 2795 or 466-4443.

ELECTRIC CHAINSAW - Poulan 14" electric. 2-hp, 10.5 amps. New cond. Ask. \$65. Joseph, 466-4443.

LAWN MOWER - Black & Decker 18" electric, good cond., ask \$45. Joseph, Ext. 2795 or 466-4443.

TRACTOR/MOWER - 10 hp. Wheel Horse, gd. running cond. \$400. Kathleen, Ext. 2223.

Miscellaneous

BABY ITEMS - White Crib w/mattress \$75; White Closet approx. 6'x3' \$45; Graco Play Pen \$35; Bath Seat \$5. 875-1026.

DUFFLE BAGS - diff. styles, colors and sizes, most never used. \$2-\$10. Peter, Ext. 2913.

SMOKER - Coleman deluxe, used only once, \$40. Maurice, 928-6930.

GAS ENGINE - Tecumseh 5hp., new, horizontal shaft, never used \$50. Al, Ext. 7859.

TRAINS - Lionel, American Flyer & others, cast metal toys, high cash pd., sets for sale. Bruce, 924-4097.

Get to Know Your Lab! Bird Walk Today, 10/22



Roger Stoutenburgh D1460702

Today, Friday, October 22, join an employee lunchtime walk led by Ernest Lewis and Tim Green to watch birds in the BNL "outback." The group will meet in the upper lobby of Berkner Hall near the couches at noon and return by 1 p.m. All are welcome. For more information, call Elaine Lowenstein, Ext. 2400.

Children's Halloween Party, 10/30

The Hospitality Committee will hold an on-site children's Halloween party on Saturday, October 30, at 5 p.m. in the Recreation Hall in the apartment area. There will be a variety of activities, including arts and crafts, fortune telling, games with prizes, a costume parade, spooky stories, and more. Wear your favorite costume and bring a snack to share. Pumpkin pie and hot cider will be provided. Parents are encouraged to wear a costume too.

For more information, contact Kati Petreczky, 821-4131, or julika@optonline.net.

Fire Hydrant Flushing Week of Oct. 25-29

To improve the quality of BNL water delivered to the consumer's tap by eliminating "rusty" water, the Lab's fire hydrants will be flushed Monday through Friday, October 25 through 29, as follows:

- **Mon. 10/25:** Rutherford and Lawrence Drives
- **Tue. 10/26:** Upton Road through the apartment area
- **Wed. 10/27:** Cornell Avenue and its cross streets
- **Thu. 10/28:** Brookhaven Avenue
- **Fri. 10/29:** Bell Avenue

Before drinking or using water during and after hydrant flushing, run the water in the sink, fountain, or shower to flush discolored water from the tap. In some places, you may have to run the faucet for 5 to 10 minutes until the water runs clear.

To make sure that discolored water is not used for washing clothes, the laundries in the apartment area and in Curie and Cavendish Houses will close at 8 a.m. on Tuesday, October 26. The laundries will reopen on Wednesday, October 27, at 10 a.m., at which time the washing machines will be ready for use with clean water.

For more information, contact Bill Chaloupka, voice pager 0552.

Healthfest 2004 Taste-Test Water Key

Although the ballots for this year's drinking-water taste-test are still being tallied, the key to the samples involved in the test is as follows:

bottle	water
Sample A	BNL
Sample B	Dix Hills
Sample C	Greenport
Sample D	Culligan

On-Site Service Station Tip of the Month

As cold weather approaches, batteries are subject to failure. If you have a 1999 — or 1998, or earlier — vehicle with the original battery, it is at the end of its useful life and should be changed. If you are not sure, the on-site station, Upton Industries, Inc., will be glad to test it. The station carries a complete line of Delco professional series batteries. For more information, call Ext. 4034.