

## Pilat Now Leads Goldhaber Fellowships Program

Fulvia Pilat, a physicist and head of operations in the Collider-Accelerator Department (C-AD), has taken over leadership of the Gertrude & Maurice Goldhaber Distinguished Fellowships Program, which has flourished under the direction of Leonard Newman, Environmental Sciences Department, since its beginning in 2001.

To attract topnotch researchers who might eventually qualify for scientific staff positions at BNL, Battelle Memorial Institute and Stony Brook University fund the fellowship program to select candidates with exceptional talent and credentials, who are interested in performing independent research at the frontiers of their fields. The field of study must be pertinent to the Lab's mission. The fellowships are three-year appointments, which have an annual starting salary of \$72,000.



Fulvia Pilat  
Roger Stoutenburgh D0390307

Candidates should be at a maximum of three years past receipt of their Ph.D. at the time they apply for the fellowship.

"The fellowship program has been very successful under Leonard Newman's leadership, and I am glad to lead the effort



Leonard Newman  
Roger Stoutenburgh D6620408

in finding new scientists to work at the Laboratory, which has so many opportunities for research in diverse fields," Pilat said. "New fellowship positions are open, and I encourage BNL scientific staff to seek candidates to fill them."

As of the end of FY2008, 25

Fellows have been or are going through the program. Of the 19 Fellows who have completed the program, nine were retained as staff members, and six moved on to tenure-track positions at universities, but many maintain research collaborations with BNL. An additional six Fellows are still active participants.

"There has been no shortage of highly qualified candidates: the number selected is restricted more by the number of available positions," said Newman. "Through the program, several outstanding scientists have been brought to and retained by the Laboratory."

The fellowship selection committee, which is composed of Pilat and three members of the BNL Council — Wolfram Fischer, C-AD; Trevor Sears, Chemistry Department; and Niels van der Lelie, See *Fellowships* on pg. 2



Roger Stoutenburgh D0320208

## IEEE Honors Masaki Suenaga Awarded for Applied Superconductivity Research

Masaki Suenaga, a retired metallurgist who remains an active researcher at BNL, has received the IEEE Council on Superconductivity Award for significant and sustained contributions to applied superconductivity. Originally referred to as the Institute of Electrical & Electronics Engineers, Inc., the nonprofit IEEE is the world's leading professional association for the advancement of technology. Suenaga received a plaque and \$5,000 at the recent Applied Superconductivity Conference in Chicago.

"I am gratified that my peers appreciate my work," Suenaga said. "I feel fortunate that I've been able to do work that I like and that my research has resulted in useful technologies."

Superconductivity refers to the lack of resistance to the flow of direct electric current by certain materials at very low temperatures. Suenaga has spent much of his early career studying the superconductor niobium-tin, and his research resulted in a process to make the first industrial niobium-tin superconducting wire for use in high-field magnets, such as those used in particle accelerators and fusion reactors.

Suenaga's work also led to the production of a flat niobium-tin tape with low losses of alternating electric current (AC), which made possible BNL's Power Transmission Project, a program that began in the 1970s to develop a viable and cost-effective means of transmitting large amounts of electrical power underground. This project laid the groundwork for the Long Island Power Authority's installation of the world's first high-temperature superconductor power transmission cable system in Holbrook, Long Island, earlier this year. The new cable uses far less wire and yet conducts up to five times more power in a smaller right-of-way than traditional copper-based cables.

Materials become superconducting at different temperatures, and, as a part of his research, Suenaga used a powerful electron microscope at BNL to view the microstructure of both low- (minus 430 degrees Fahrenheit) and high- (minus 2

## Symposium, 10/2 'What Are They Up To Now?' Five prior Goldhaber Fellows, now BNL scientists, discuss forefront research

On Thursday, 10/2, at 1:30 p.m. in the Hamilton Seminar Room, Bldg. 555, all are invited to a symposium, entitled "What Are They Up To Now?" in which five BNL scientists, Devicharan Chidambaram, Oleg Gang, Adrian Gozar, Peter Petreczky, and Hua-Gen Yu, who came to the Lab as Fellows in the Gertrude & Maurice Goldhaber Distinguished Fellowship Program, will talk on their present research.

Doon Gibbs, Deputy Director for Science & Technology will give welcoming remarks at the seminar, which will be hosted by Leonard Newman, Environmental Sciences

Department, who has overseen the program from its onset in 2001 until May of this year, when Fulvia Pilat, Collider-Accelerator Department, took over operations.

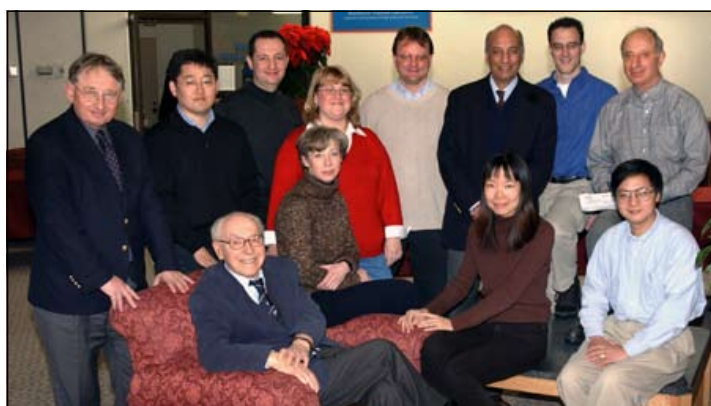
Funded by Battelle Memorial Institute and Stony Brook University, Goldhaber Fellows work in close collaboration with a BNL scientific staff member who serves as a research mentor. The program is ongoing: applications from sponsoring mentors are encouraged for fellowships that will be awarded later this year (see story above).

The five speakers at the Octo- See *Symposium* on pg. 2



Roger Stoutenburgh D0180115

In January 2005, at Berkner Hall with Maurice Goldhaber (front, left), former BNL Director and BNL Distinguished Scientist Emeritus, were: (clockwise from left) Leonard Newman, then Gertrude & Maurice Goldhaber Fellowship Program administrator; Peter Bond, then Deputy BNL Director for Science & Technology (Interim); and among the nine then current Goldhaber Fellows: Peter Petreczky (back, seventh from right); Adrian Gozar (back, fifth from right); and Devicharan Chidambaram (front, right).



Roger Stoutenburgh D0081203

In December 2003, with BNL Distinguished Scientist Emeritus Maurice Goldhaber (seated, left) and eight Goldhaber Fellows are: then BNL Director Praveen Chaudhari (back, third from right) and BNL Deputy Director for Science & Technology Peter Paul (standing, left); Senior Scientist Leonard Newman (back, right), who administered the Gertrude and Maurice Goldhaber Distinguished Fellowship Program; and among the Goldhaber Fellows: Hua-Gen Yu (front, right); and Oleg Gang (back, sixth from right).



Joseph Rubino D2090908

## 440th Brookhaven Lecture, 10/1 'Self-Control in Cocaine Addiction'

A drug-addicted person may set a goal to abstain from taking drugs, yet soon afterwards he or she will ignore all warnings or reprimands, take an excessive amount of a drug, and possibly go much farther, such as trade in a car, or another valuable possession, for a couple of cocaine hits. This disadvantageous decision-making and drug-seeking behavior may continue despite catastrophic personal consequences — for example, loss of job, health, or family — even when the drug is no longer perceived as pleasurable.

A series of brain-mapping studies and neuropsychological tests conducted at BNL has shown that people addicted to cocaine have an impaired ability to process rewards and exercise control, in a way that is directly linked to changes in the responsiveness in their prefrontal cortex, a part of the brain essential for advantageously monitoring and controlling one's own behavior.

To learn more about these pioneering studies, join medical scientist Rita Z. Goldstein of the Medical Department as she gives the 440th Brookhaven Lecture, on "Reward, Self-Control, and Free Will in Cocaine Addiction: Brain-Imaging Results." This lecture, open to the public, will be held at 4 p.m. on Wednesday, October 1, in Berkner Hall, with refreshments on hand before and afterward. Visitors to the Lab of 16 and

over must carry a photo ID. To join the lecturer at dinner at a restaurant off site after the talk, call Maria Apelskog, Ext. 3715.

Goldstein will describe her research in this field, which was designed to test a theoretical model postulating that drug-addicted individuals disproportionately attribute value to their drug of choice at the expense of other potentially but no longer-rewarding stimuli — and at the same time, experience decreased ability to inhibit their drug use. To test this hypothesis, Goldstein and her team monitored brain activity using the functional MRI (magnetic resonance imaging) technique and event-related potential recordings while testing cocaine-addicted and non-drug-addicted individuals on a range of neuropsychological tests.

Goldstein joined Medical's imaging sciences group in 1999, with a Ph.D. in health clinical psychology from the University of Miami, FL. Director of the Neuropsychology Group at BNL, she is the author of some 30 articles in peer-reviewed journals, and received the 2005 "Woman of the Year in Science" award from Brookhaven Town. Her research is funded by the National Institute on Drug Abuse (1R01DA023579, R21DA02062, 1R01DA020949); DOE's Office of Biological & Environmental Research, and Stony Brook University's General Clinical Research Center.

— Liz Seubert



## CALENDAR

### OF LABORATORY EVENTS

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

### — 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/toastmasters/](http://www.bnl.gov/bera/activities/toastmasters/)

**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 Thom, 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)



Joseph Rubino D3990808

## BNL Employee Richard DeRocher Brings Home a Gold Medal

While many of us were watching the XXIX Olympic games on TV, Richard DeRocher of the Facilities and Operations Directorate was participating in another athletic competition — the U.S. Transplant Games. Organized by the National Kidney Foundation, the primary purpose of the Transplant Games is to raise public awareness of organ donation.

DeRocher, who was born with only one kidney and had a transplant in 1999, brought home a gold medal in racquetball from the games. "I had to play and win matches against each of the other three competitors in my age group to win the gold medal," he said. He also took home a bronze medal for the best long jump, and competed in the 100- and 200-meter runs.

DeRocher is a member of Team Liberty and has participated in the biennial games since 2000. Team Liberty consists of people from the New York and New Jersey area who have had organ transplants. "I've heard many touching stories at the games, including several from parents who lost their children but generously donated their organs to save another child's life," said DeRocher.

DeRocher was not aware that he was born with only one kidney until he came to the Lab in 1988 and had his pre-employment physical exam. The blood tests done at that time revealed that even his one kidney wasn't functioning well. Eventually, the doctors told him he would need

dialysis or a transplant. Although DeRocher had a few relatives who were willing to be donors — including his wife Debbie and his brothers, Alan and Paul — it was determined that Paul was the best match. "When someone is fortunate enough to receive a transplant, it greatly improves their quality of life," said DeRocher. "I consider myself very lucky because my brother willingly donated a kidney, allowing me to live a healthy and normal life."

Racquetball is a fast-paced game played on an indoor court. It's similar to tennis, but the ball bounces off the ceiling, floor, and all four walls. DeRocher and other members of the BERA Racquetball Club use the facilities at Racquetime in Farmingville, NY, to enhance their skills. DeRocher credits his fellow racquetball friends for his athletic accomplishments on the racquetball court.

"I love sports, especially racquetball. It was a great feeling to put that gold medal around my neck, and it will be a great feeling when I give it to my brother," said DeRocher. "But the best part of being at the games is sharing stories and getting to know other transplant recipients and their families. My coworkers, teammates, and friends have encouraged and supported me along the way. Together with my family, I have a pretty big cheering squad."

For more information on the National Kidney Foundation and the Transplant Games go to: [www.kidney.org](http://www.kidney.org). — Jane Koropsak

### Fellowships from pg. 1

Biology Department — will meet in November to determine the final selection of the candidates for the presently open positions.

Goldhaber Fellows will work in close collaboration with a member of the BNL scientific staff, who will serve as a research mentor. All BNL scientists are encouraged to seek candidates and have them send a letter of intent outlining their research interests, a CV, list of publications, and names and contact information of three referees familiar with their work to [pilat@bnl.gov](mailto:pilat@bnl.gov). More information can be found on [www.bnl.gov/HR/goldhaber.asp](http://www.bnl.gov/HR/goldhaber.asp). — Diane Greenberg

### 13th Annual Pine Barrens Research Forum, 10/2

The Thirteenth Annual Pine Barrens Research Forum, on "Current Challenges and Future Solutions," will be hosted by BNL on Thursday, October 2, 8:30 a.m.-5 p.m., in Berkner Hall. All are welcome to attend the forum, which is free and open to the public. Visitors to the Lab of 16 and over must carry a photo ID. Topics to be discussed will range from the "wildland-urban interface" to "Linking groundwater, pesticide occurrence and submerged aquatic vegetation," and many more. The event is sponsored by BNL, the Central Pine Barrens Commission, the Long Island Groundwater Research Institute at Stony Brook, and the Foundation for Ecological Research in the Northeast. See also [www.fern-li.org/pbrf.asp](http://www.fern-li.org/pbrf.asp) or contact Tim Green, [tgreen@bnl.gov](mailto:tgreen@bnl.gov) or Ext. 3091.

### Cruise to Bermuda

This five-day cruise aboard Royal Caribbean's Explorer of the Seas leaves from Bayonne, NJ, on Saturday, May 23, 2009, and returns on Thursday, May 28, 2009 (Memorial Day weekend). Prices range from \$1690-\$3490 per double occupancy. Prices include travel insurance, port fees and fuel charges. A \$200 deposit is required at the time of booking per double occupancy. Book before mid-October; prices are expected to increase. Contact Joann Giambalvo, Ext. 7459, for more information or see BERA website: [www.bnl.gov/bera/](http://www.bnl.gov/bera/).

## BSA Noon Recital, 10/1 Virtuoso Pianist Igor Lovchinsky to Perform

Igor Lovchinsky, grand-Prize winner of the Eastman International Piano Competition and the National Chopin Competition of the Kosciuszko Foundation, will perform transcriptions of seven Gershwin songs composed by virtuoso performer Earl Wild at the BSA Noon Recital on Wednesday, October 1, at noon, in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages BNL, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Lovchinsky worked with Wild, now in his 90s, to produce his recent CD containing these pieces together with Chopin master works. Lovchinsky's BNL performance will also include a Rachmaninoff work transcribed by Earl Wild and a Shostakovich sonata. Hailed by the press as an artist with "extraordinary mas-



tery" and "phenomenal talent," Lovchinsky has toured extensively throughout the United States and abroad. His unconventional interpretive style and innovative approach to concert programming have been received with critical acclaim in both national and international concert circuits.

## Labwide Survey on Deer Management

### Message from Tim Green, Cultural & Natural Resources Manager

BNL has been working to address various issues associated with managing the deer population on the Lab property. Earlier this year, an issue and decision paper was presented to the Policy Council. It outlined several options for consideration. The Policy Council requested that we seek additional input from employees and community members prior to planning additional management actions.

This past spring, several meetings were held to gather input; two roundtables were held for employees, and a presentation was given to the Lab's Community Advisory Council. Those meetings resulted in a suggestion to conduct a survey to gauge the Lab community's thoughts on deer management.

To meet this request, a Labwide survey has been prepared and will arrive in employee and guest mailboxes on Monday, September 29. Response to this survey is an important part of the planning process. Please take a few minutes to answer the questions, fold the survey, and place it in the Lab mail for delivery. Your name need not be included.

— Tim Green

### Suenaga from pg. 1

280 degrees Fahrenheit) temperature superconductors, to see how they are formed and how they grow under varied conditions in order to improve their properties. Suenaga and colleagues, for example, found that substituting small amounts of titanium for niobium in the niobium-tin superconductor enables it to carry a higher current at higher magnetic fields, which are needed in large superconducting magnets. Suenaga also determined that AC losses could be minimized by modifying the surface of niobium-tin tapes in commercial production, a finding that made the BNL transmission cable possible.

Suenaga earned a B.S. in

electrical engineering in 1962 and a Ph.D. in metallurgy in 1969, both from the University of California at Berkeley. He joined the Lab in 1969 as an assistant metallurgist and worked his way through the ranks to become a senior metallurgist in 1983. He was honored with Brookhaven Lab's Distinguished Research & Development Award in 1992, and he became a Fellow of the American Physical Society in 2002. Suenaga retired in 2006, but he still works at the Laboratory on a part-time basis as a guest scientist. He is also an adjunct professor of materials science at Stony Brook University.

— Diane Geenberg

### Symposium from pg. 1

September 2 symposium are among those fellows who, as is intended to be a result of the program, subsequently became BNL scientific staff. They are: Devicharan Chidambaram, Environmental Sciences Department, who started as a Goldhaber Fellow in 2004, working with A.J. Francis as a mentor; Oleg Gang, Center for Functional Nanomaterials, who started in 2002, with mentor Benjamin Ocko; Adrian Gozar, Condensed Matter Physics & Materials Sciences Department, started 2004, with mentor Ivan Bosovic; Peter Petreczky, Physics Department, 2002, with mentor Larry McLerran; and Hua-Gen Yu, Chemistry Department, 2000, with mentor James Muckerman. Abstracts of their talks are available at [www.bnl.gov/bnlweb/GoldhaberSymposium.asp](http://www.bnl.gov/bnlweb/GoldhaberSymposium.asp).

[www.bnl.gov/bnlweb/GoldhaberSymposium.asp](http://www.bnl.gov/bnlweb/GoldhaberSymposium.asp).

### Symposium Schedule:

1:30: *Welcome and Introduction*, Doon Gibbs, Leonard Newman  
1:45: *A Spherical Electron Cloud Hopping (SECH) Model for Dissociative Recombination*, Hua-Gen Yu  
2:15: *Properties of Quark Gluon Plasma From Large Scale Numerical Calculations*, Peter Petreczky  
2:45: Coffee Break  
3:00: *Microbial Electron Transfer Processes*, Devicharan Chidambaram  
3:30: *Interface Phenomena in Correlated Electronic Systems*, Adrian Gozar  
4:00: *Biomimetic Approaches for Building Nanoscale Systems*, Oleg Gang.  
— Liz Seubert

## 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 2008 HEALTHFEST MONTH

## BNL'S CELEBRATION OF HEALTH, FITNESS, AND SAFETY

Welcome to BNL's annual Healthfest Month. During the month of October, the Laboratory has many events to promote health, fitness and safety. Refer to the calendar for dates, times, and registration

requirements. New exhibitors for the Healthfest Fair include the Wading River Fire Department (smoke, fire and wind simulator), Saf-Gard Safety Shoe Company, Aereo Technologies (safety glass-

es), Vision Care Program – Wal-Mart, and BNL's Human Performance Improvement Initiative.

Healthfest 2008 is sponsored by Brookhaven Science Associates and brought to you by Healthfest

co-chairs Michael Thorn and Denise DiMeglio of the Human Resources and Occupational Medicine Division

*Bring your co-workers and have fun!*

- Aereo Technologies-Safety Glasses\*
- Aetna
- Benefits Office
- BERA/Recreation
- BNL's Human Performance Improvement Initiative\*
- CIGNA Healthcare
- Community, Education, Government & Public Affairs
- Emergency Services Division

- Employee Assistance Program
- Environmental & Waste Management Services Division
- Fidelity Investments
- HIP Health Plan of New York
- Kenneth Peters Center For Recovery
- Long Island Groundwater Institute
- LIPA

- Long Island Transportation Management
- Motorcycle Safety
- Occupational Medicine Clinic
- Safety & Health Services Division
- Saf-Gard Safety Shoe Company\*
- St. Charles Hospital Sleep Center
- St. Charles Rehabilitation

- Seafield
- TIAA-CREF
- The Vanguard Group
- Vision Care Program - Walmart\*
- Vytra Health Plans
- Wading River Fire Department\*
- Water Treatment Facility of the Plant Engineering Division

**Massages provided by:**

- Nicole Bernholz, LMT
- Lisa McDermott, LMT
- Sue Safari, LMT

**Screenings for the health, fitness, and safety fair compliments of:**

- CIGNA Healthcare
- Occupational Medicine Clinic

**Apples for the athletic events provided by:**

- Nayyarsons

**FAIR EXHIBITORS**

**Fitness Walk\***

Two miles  
10/1, noon-1 p.m.  
Outside Bldg. 438

**Screenings for Depression**

Week of 10/6, by appointment  
Call the Employee Assistance Program (Ext. 4567)

**Seminar: Decreasing Your Carbon Footprint**

10/7, noon-1 p.m.  
Berkner Hall, Room B

**Table Tennis Tournament**

10/9, 5 p.m.  
Bldg. 317

\* Fitness Walk Raindate: 10/08/2008

\*\* Mountain Bike Ride Raindate: 10/15/2008

**Mountain Bike Ride\*\***

Five or eight mile routes\*\*\*\*  
10/10, noon-1 p.m.  
Gazebo by the Ball Fields

**Massage Day**

10-minute massage  
10/14, 11 a.m.-2 p.m.  
Berkner Hall Room B

**Seminar: Arthritis**

10/14, noon-1 p.m.  
Berkner Hall Auditorium

**Advanced Table Tennis**

**Tournament**  
10/16, 5 p.m.  
Bldg. 317

**Fitness Run\*\*\***

Five kilometers (3.1 miles)  
10/17, noon-1 p.m.  
Outside Bldg. 463

**Free Trial BERA Classes**

Week of 10/20  
For more information, go to [www.bnl.gov/bera](http://www.bnl.gov/bera)

**Open House**

10/21, 11:30 a.m.-1:30 p.m.  
Gym, Pool, and Weight Room

\*\*\* Fitness Run Raindate: 10/24/2008

\*\*\*\* Must be 18 or older to participate

**Healthfest Fair**

Displays, screenings, raffles, drinking water taste testing, and home-water sample testing  
10/23, 10:30 a.m.-1:30 p.m.  
Bldg. 400 Lobby

**Swim\*\*\*\***

400-yard swim  
10/29, 11 a.m.-1:30 p.m.  
Pool in Bldg.478

**Biathlon Swim\*\*\*\***

800-yard swim  
10/31, 11 a.m.-1:30 p.m.  
Pool in Bldg. 478

\*\*\*\* Bring your own mountain bike and helmet

**REGISTER**

Register online for the events at <http://intranet.bnl.gov/healthfest/>. If you do not have computer access, contact Michael Thorn at ext. 8612 to register. We encourage you to participate in the Healthfest events. You will receive a Healthfest T-shirt at the athletic events on a first-come-first-served basis.

**Employee Lunchtime Tour: ATLAS Facility, 9/26**

Next Friday, September 26, at noon, join a group in Berkner Hall lobby to be taken to see and learn about the ATLAS network facility at BNL, returning to Berkner by 1 p.m. ATLAS, which BNL helped to build, is one of the experiments at the Large Hadron Collider (LHC) at CERN, Switzerland. Events at the LHC could reveal the origins of mass, shed light on dark matter, and possibly find extra dimensions of space. In addition to serving as the U.S. host lab for ATLAS, BNL plays multiple roles in this massive international undertaking, ranging from construction and project management to data storage and distribution.

**LIANS Dinner Meeting, 10/7**

**Speaker: Gerhart Friedlander on the Manhattan Project**

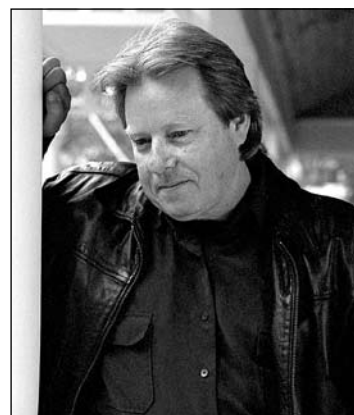
At the next dinner meeting of the Long Island Chapter of the American Nuclear Society (LIANS) on Tuesday, October 7, the invited speaker will be Gerhart Friedlander, who will talk on "Reminiscences of the Manhattan Project." The meeting will be held at South Shore Restaurant, 388 Medford Ave., Patchogue, (631) 475-7926. Complimentary appetizers/cash bar will start at 6 p.m., dinner at 7 p.m., and Friedlander's talk at 8 p.m. The cost is \$20/person. Reserve by Monday, October 6, with Arnie Aronson, Ext. 2606. Gerhart Friedlander began his distinguished career at BNL in 1948, retired in 1981, and remained active in research for more than a decade afterwards. Currently, he gives talks annually to undergraduate students in BNL's Summer School for Nuclear Chemistry. In addition, he is a member of a committee of nine BNL scientists — all National Academy of Sciences members — who recommend candidates for major scientific awards.

**Folk Singer James O'Malley to Perform, 10/3**

Contemporary folksinger, guitarist and songwriter James O'Malley will give a concert on Friday, October 3, at 7 p.m. at the Brookhaven Center. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

The stories behind O'Malley's songs — some humorous, others introspective — range from a tribute to the rescue workers at the World Trade Center to the adventurous tale of two boys who sneak out of the house at night. His influences include Tim Hardin, who he once jammed with as an 18-year-old, Joni Mitchell, Laura Nyro, Randy Newman, Mickey Newbury, Donovan, and The Beatles.

O'Malley has produced two CDs on his own Gable Wing label and has a third on the way. He has performed at many local venues and music festivals including Carnegie Recital Hall,



The Brokerage, and the Summer Festival at Heckscher Park, and has been featured on radio stations across the country. Previously a stained glass craftsman, O'Malley is currently a rigging supervisor at BNL.

Tickets cost \$10 and may be purchased at the BERA Store, through [www.ticketweb.com](http://www.ticketweb.com) or at the door. Advance ticket purchase is recommended.

— Jane Koropsak

**Arrivals & Departures**

— Arrivals —

- Philip Bernath..... PPM
- Jonathan Franco .....ITD
- Marcelo Honnicke ..... NSLS II
- Dominick Savino..... Plant Eng.

— Departures —

- Claudio Pica..... Physics

**Russian for Speakers of Other Languages Class**

The English for Speakers of Other Languages (ESOL) Program offers free English and French classes. Now, Russian classes are added. Olga Dulneva, from Russia, is a trained professional interpreter and an ESOL tutor. The class will cover the Russian language as well as literature and culture and will be separated into levels of proficiency. Dulneva will be assisted by another Russian native. Class begins October 3 and will be held on Fridays from noon to 1 p.m. in the Recreation Building, upstairs. Contact Dulneva at [odulneva@googlemail.com](mailto:odulneva@googlemail.com) with any questions and/or to sign up.

**Rhythm, Blues, 10/18**

Rhythm and blues will take over Berkner Hall on Saturday, 10/18, at 8 p.m. The band Blues House, surviving members of The Morocos, and distinguished guests will jam the evening away. The event is open to all. Tickets are \$15 in advance at the BERA Store or [www.ticketweb.com](http://www.ticketweb.com); \$20 at the door.

**CALENDAR**

— THIS WEEKEND —

**Saturday, 9/27**

**\*Santana Tribute Band: Milagro**  
7:30 p.m. Berkner Hall. The Santana Tribute Band will play a variety of Latin-rock recalling Carlos Santana's music which sold more than 90 million records. Tickets are \$12 in advance at the BERA Store, \$15 at the door. The performance is sponsored by the BERA Hispanic Heritage Club to benefit the club's high-school scholarship program. See notice, pg. 4.

— WEEK OF 9/29 —

**Monday, 9/29**

**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.

**Wednesday, 10/1**

**\*BSA Noon Recital**  
Noon. Berkner Hall. Pianist Igor Lovchinsky, grand-Prize winner of the Eastman International Piano Competition will perform transcriptions of Gershwin songs composed by Earl Wild, a Rachmaninoff work transcribed by Wild, and a Shostakovich sonata. Sponsored by Brookhaven Science Associates, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

**\*Start of BNL's Healthfest Month**  
**Healthfest Fitness Walk**  
Noon-1 p.m. Outside Science Education Bldg., Bldg. 438. A 2-mile walk at your own pace. All are welcome. Raindate, 10/8. See Healthfest at left.

**\*440th Brookhaven Lecture**  
4 p.m. Berkner Hall. Featuring Rita Goldstein, Medical Department, who will talk on "Reward, Self Control, & Free Will in Cocaine Addiction: Brain Imaging Results." All are welcome. See story, pg. 1. Visitors to the Lab or 16 and over must carry a photo ID.

**Thursday, 10/2**

**Costco Membership Drive**  
11 a.m.-2 p.m. Berkner Hall lobby. Costco representatives offer memberships at \$54.31 for 2 cards/1yr. New memberships get \$10 cash card. 2 mo. extension for AmEx sign-up.

**\*Symposium: OWhat Are They Up To Now?**  
1:30 p.m. Hamilton Seminar Room, Bldg. 555. A symposium, hosted by Leonard Newman, Environmental Sciences Department, in which former Goldhaber Fellows presently employed at the Lab talk on their research. See story, pg. 1.

**Friday, 10/3**

**Sam's Club Membership Drive**  
11 a.m.-2 p.m. Berkner Hall. BNLers who sign up for or renew membership in Sam's Club get \$10 gift card. Annual fee: \$43.45. For more information, call Jessica, 447-0227.

**\*Folk Concert: James O'Malley**  
7 p.m. Brookhaven Center. Sponsored by the BNL Music Club, open to the public. Tickets are \$10 at the BERA Store. See notice at left.

— WEEK OF 10/13 —

**Wednesday, 10/15**

**441st Brookhaven Lecture**  
4 p.m. Berkner Hall. Walter Mangel, Biology Department will give the next Brookhaven Lecture. All are welcome. Visitors to the Lab or 16 and over must carry a photo ID.

**Saturday, 10/18**

**\*Rhythm, Blues Concert**  
8 p.m. Berkner Hall. BNL's George Bostick and Blues House, other distinguished blues performers will perform. See The Bulletin of 9/19/08 and at left.



## Classified Advertisements

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

**LABORATORY RECRUITMENT** - Opportunities for Laboratory Employees

**SECRETARY (CW-2, term)** - Requires a high school or equivalency diploma and some specialized training, plus two years' related secretarial experience. Must possess basic secretarial skills and a working knowledge of word processing, basic office practices and procedures. Must be highly efficient, well organized. Knowledge of PeopleSoft Financials for foreign and domestic travel processing and processing web requisitions is preferred. Typical assignments may include report and correspondence preparation, scheduling appointments, making travel arrangements, processing travel expenses, helping with meeting preparations, mail distribution and other routine secretarial duties. Contacts are limited to within the Laboratory. Some overtime is possible. The individual will report to Project Director's assistant and will be assigned tasks as needed in support of NSLS-II staff. National Synchrotron Light Source II. Apply to Job ID# 14622.

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

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in physics, chemistry, materials science, or a related discipline. Extensive experience with Raman spectroscopy/microscopy or synchrotron-based XAS is required. Demonstrated experience in solid-state chemistry synthesis of hydrogen storage materials will be a plus. The successful candidate will have the opportunity to work in a multidisciplinary team of scientists studying different aspects of hydrogen storage reactions, and will collaborate very closely with a parallel effort in ab-initio theory and modeling. This position will be in the area of in-situ spectroscopy applied to energy storage applications. The scientific focus will be on exploring solution-phase routes toward efficient regeneration of hydride and complex hydride hydrogen storage materials, in particular, understanding reaction pathways and metal-hydrogen surface chemistry at solid-liquid and solid-gas interfaces. The experiments will use in-situ Raman spectroscopy on model storage materials in a microfluidic system, complemented by ex-situ characterization by synchrotron-based techniques such as x-ray absorption spectroscopy (XAS). The CFN is a user-oriented research center and interaction and scientific collaboration with CFN and BNL staff, as well as with outside users, is encouraged. Under the direction of P. Sutter and J. Graetz, Center for Functional Nanomaterials. Apply to Job ID # 14627.

**POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in engineering, physics or a related field. Guided by senior scientists and engineers, the successful candidate will perform the definition, analysis, specification and troubleshooting of high power klystron amplifiers and high voltage power supplies. Expertise with test and measurement equipment, in particular network and spectrum analyzers is required. The candidate is expected to be familiar with finite element electromagnetic field solvers and will assist in the modeling of coupling aperture in SCRF cavity; assist with and perform analysis of hybrid combining vs. cavity combining of 4 IOT amplifiers. Additional responsibilities include assisting with the booster cavity tuner feedback loop modifications and cavity field controller tests and may include the design of a cavity based high power combiner using the finite element codes Microwave Studio or Superfish, performing bead perturbation electromagnetic field measurements of landau copper cavity model for SBIR and assisting in the development of the frequency up / down conversion system for the cavity controllers. Will report to the RF Group Leader, National Synchrotron Light Source II. Apply to Job ID# 14624.

**PROJECT ENGINEER I/PERSONNEL SAFETY SYSTEMS (P-9)** - Requires a BS degree in electrical engineering and minimum of ten years' experience in designing synchrotron personnel safety systems used for machine enclosures and beam line experimental end stations. The candidate should have experience in gaining approvals, implementation and operation of systems designed for the protection of personnel. Must also possess a thorough understanding of logic diagrams and their applications to specifications of a safety system; as well as demonstrated experience with BNL and DOE compliance approvals for accelerator safety systems. Strong technical, written and presentation skills are required as well as the ability to convert logic diagrams into implementations in PLC logic using ladder, state and function block programming. Preferred qualifications include the ability to convert logic diagrams into implementations in PLC logic using ladder, state and function block programming and in-depth knowledge of accelerator systems and operations. Also desirable is experience in PLC programming, analog circuit design, relay logic, interface of interlock systems to power supplies and RF systems, instrumentation design, test plan writing. Will be responsible for the design, implementation and construction of personnel and equipment protection systems as well as gaining operating approvals

for the personal safety systems at NSLS-II. Will direct the work of engineers, designers and technical staff as required and report to the Group Leader, Electrical Engineering, National Synchrotron Light Source II. Apply to Job ID # 14612.

**STAFF ENGINEER (P-5)** - Requires a bachelor's degree in electrical/electronics engineering with a minimum of three years of engineering experience in analog circuit design, RF experience, and/or digital signal processing. Requires knowledge in analog circuits, amplifiers, component selection, circuit layout practices and construction techniques. Excellent written and verbal communication and good interpersonal skills are required to interact with a diverse group of scientists and technical staff. Will assist in the construction and evaluation of prototypes and models, construct test systems/equipment, conduct acceptance tests, and propose upgrades or improvements. May also assist in the direction of technicians during all phases of construction, component selection, commissioning, and equipment operation. Responsibilities include operation of a wide variety of accelerator instrumentation, and work as a contributing and productive member of a team of engineers. Reports to the C-AD Beam Components Group Leader, Collider-Accelerator Department. Apply to Job ID# 14626.

**SR. TECHNICAL SPECIALISTS (2) (T-3)** - Requires an AAS degree in electronic technology or equivalent experience, plus at least six years of relevant experience performing complex tasks. Must have a thorough understanding of analog and digital circuitry and the ability to troubleshoot independently using standard test equipment. Must be familiar with measurement equipment such as function generators, oscilloscopes, multi-meters. The ability to work from schematics, verbal instructions and written test procedures is necessary. Must consistently show a high degree of initiative and judgment when solving technical problems. Experience with pulsed or accelerator magnet power supply systems is a plus. Job duties will include the fabrication, testing, installation, troubleshooting, repair and maintenance of RHIC power systems including off-hour emergency call-in repairs. All work will be performed in a manner that is consistent with BNL and AD safety and quality assurance guidelines and regulations. Responsibilities will be technical support for RHIC operations as a member of the RHIC Power Supply Group, Collider-Accelerator Department. Apply to Job ID# 14629.

**TECHNICAL SPECIALIST (T-2)** - Requires an AAS degree in electronic technology or equivalent experience, plus at least 4 years of relevant experience performing complex tasks. Must have a thorough understanding of analog and digital circuitry and the ability to troubleshoot using standard test equipment. Must be familiar with measurement equipment such as function generators, oscilloscopes, multi-meters. The ability to work from schematics, verbal instructions and written test procedures is necessary. Under general technical direction, and with some latitude for the exercise of initiative and judgment, performs a wide variety of highly skilled technical assignments in support of the scientific and professional staff. Must consistently show a high degree of initiative and judgment when solving technical problems. Experience with HV pulsed and accelerator magnet power supply systems is a plus. Job duties will include the fabrication, testing, installation, troubleshooting, repair and maintenance of AD department HV pulsed power supply systems including off-hour emergency call-in repairs. All work will be performed in a manner that is consistent with BNL and AD safety and quality assurance guidelines and regulations. Responsibilities will be technical support for AD operations as a member of the Pulsed Power Supply Group, Collider-Accelerator Department. Apply to Job ID # 14628.

**CRYOGENIC/VACUUM TECHNICAL SPECIALIST (T-2)** - Requires an AAS degree in mechanical technology or equivalent and at least four years of relevant experience. Good mechanical skills, the ability to work with basic hand tools, and familiarity with mechanical drawings and process and instrumentation drawings are necessary. Knowledge of general vacuum techniques and equipment associated with insulating vacuum systems for cryogenic applications is necessary; familiarity with large industrial valve, valve-actuators, and rotating machinery is a plus. Good communications skills and the ability to work as part of a team are important. Must consistently show a high degree of initiative and judgment when solving technical problems. Tasks include operation of large helium refrigeration systems, fabrication, installation, and general maintenance of cryogenic equipment, pumps, piping, valves, cryostats and cryogenic targets. Regular rotating shift work is required. Collider-Accelerator Department. Apply to Job ID# 14631.

**ELECTRO-MECHANICAL TECHNICAL SPECIALIST (T-2)** - Requires an AAS degree in electrical/mechanical technology or equivalent experience, plus at least four years of relevant experience in the assembly and testing of electro-mechanical equipment with an emphasis on the manufacture and assembly of precision prototype components. Requires the ability to use hand tools, as well have a working knowledge of manufacturing/machine shop processes, material properties, and mechanical drawings. The ability to work from electrical

schematics, the use of standard test and measurement equipment (function generators, oscilloscopes, multi-meters) is highly desirable. Work experience with vacuum system components, high voltage/high current systems, RF systems, and cryogenics is a plus. Under general technical direction and with engineering support, will assemble, test, install, and maintain components used in particle accelerators such as magnets, power supplies, RF systems, and electronic diagnostics. Must consistently show a high degree of initiative and judgment when solving technical problems. Will report to the Beam Components/Instrumentation Group Leader, Collider-Accelerator Department. Apply to Job ID# 14632.

### Motor Vehicles

07 MAZDA MAZDA6 - 4dr, 4cyl 5spd a/t, abc p/b p/l p/s p/w a/c am/fm 6-cd, warr., excel. 13K mi. \$16,800/neg. Ext. 5351.  
04 DODGE RAM 1500 SLT - Quad Cab 4wd, 5.7L Hemi, a/c, am/fm/cass./cd, abs, a/t, p/w, p/s, p/l, c/c, 51K mi. \$15,000. 521-5101.  
03 CHEVY VENTURE - a/c, p/w, 8pass. 20/26 mpg, fr/side air bags, new tires & batt, 69K mi. \$6,200/neg. 727-4417.  
01 CHEVY CAVALIER - 4 cyl, 2.2L, 4dr, at, ac, cd, new batt/tires, great on gas. 77K mi. \$3,300. Yugang, Ext. 3485.  
98 HONDA CIVIC - orig own, 4d, a/t, a/c, am/fm, p/w, new f/tires & exhaust sys, excel. 36K mi. \$6,000/neg. 924-9657.  
95 TOYOTA CAMRY LE SEDAN - a/t, a/c, blk, a/bag, runs well, <http://tinyurl.com/56kbpv>. 167K mi. \$2,950. Ext. 5805.  
94 CHEVY PICK UP - w/cab, lt. blue, gd. cond., 8 cyl. \$3,000. Charles, 727-1506.  
78 FORD F250 PICKUP TRUCK - 351, 4/spd, 4x4, runs, drives well, \$2,300/neg. 289-9727.  
PASE EDWARDS TONNEAU COVER - Retrctd hard p/up bed cover). Fits 99-07 Chevy-GMC 6'6" bed \$350. 466-2079.

### Furnishings & Appliances

**BEDROOM** - queen, oak, Armoire, Triple drsser w/mirror, Chest, 1/2 moon headbrd. w/2 night tables, excel. cond. \$1100. 775-9442.  
**CAPTAIN'S BED** - twin, oak, curved hd/ft brd w/spindles, drawers, storage, mattress incl., mint, \$550. Tracy, 775-9442.  
**CHEST FREEZER** - sm., works great, \$50, u-pic-up from Rocky Point. Abdul, Ext. 2002 or 302-543-3631.  
**CHILDREN'S ARMOIRE/DRESSER** \$50 - Armoire on one side, 4 drawers on the other. Gd cond. Ext. 3008 or 516 617 0557.  
**DRAFTING TABLE** - 6'x3', 3 drawer Mayline Deskomatic II w/K&G drafting machine, ask/\$75. 874-2521.  
**HUTCH** - golden oak, glass drs/shelves/light on top, drs/dwrs below, 80" h, 57" w, 16" d, gd. cond. \$475. Fran, 929-4753.  
**MOVING** - Micro & cart, pantry closet, 2 crnr tables, 2 lamps, cocktail tble, ottoman, comptr desk, bdrm. set. 516-410-7273.  
**QU. BED FRAME & NIGHTSTAND** - as new, IKEA mdl RAMBERG w/LADE slatted bed base, MALM n/stand \$200. Ext. 2618.  
**TRUNDLE BED** - twin, washed oak, curved head/ftbrd, incl. both mattresses, mint, \$550. Tracy, Ext. 4422.

### Audio, Video & Computers

**KRANICH & BACH PIANO** - dk brwn, gd. cond., all keys, pedals function, tinyurl.com/5jv72h, u-pic-up. \$375. 295-7163.  
**MONITOR** - Compaq 19" Flat Scrn Monitor w/integtrd speakers, \$150. Ext. 3884.  
**PIANO** - upright Melodigrand, 68 key w/ bench., gd for beginner, excel. cond., nice tone. EZ to move, \$175/obo. Ext. 3413.

### Sports, Hobbies & Pets

**BICYCLES** - 16" Schwinn w/training wheels, \$40; Murrey \$20, both excel. cond. Steven, Ext. 4719.  
**FISH TANK** - 20 gallon acrylic rectangr tank w/ 2 Aqua Clear filters, \$50. 744-7360.  
**FISH TANK** - 30 gallon glass hexagon tank w/ black stand, lighted lid (no bulb), heater, 2 filters, \$235. 744-7360.  
**HORSE BARN** - priv. 2 12x12 stalls w/ atchd paddock, water, elec., trails \$175, rough \$225 feed 2x/day + water, 345-6002.  
**TRAVEL TRAILER** - Prowler '05, 32', quad bunks, ac/heat, new awng, slps 10, tow bars & hitch, full bath, \$16,500. 807-9916.  
**SKATEBOARD RAMP** - \$50; waveboard, hardly used, \$50. 878-2425.  
**WEIGHT GYM** - Weider pro 9735 cable weight system, like new, \$100. 298-1058.

### Yard & Garage Sales

**RIDGE** - Yard Sale, 76 Raynor Rd. Sat. 9/27, Sun. 9/28. 8 a.m. to 3 p.m.

### Community Involvement

**SACHEM ARROWETTES FUNDRAISER** - T.Carlton's Day Spa pkg., \$75, services valued at \$395. Barbara, Ext. 7516.

### Happenings

**CONCERT** - Transitions Sax Quartet benefit concert at the St. Louis de Montfort Chapel, Oct. 4 @ 6:30 p.m. 744-8566.  
**HHC MILAGRO CONCERT** - I have tickets for sale. Call me. Yvette, Ext. 5591.

### Miscellaneous

**ALTO SAXAPHONE** - Yamaha YAS-23 in excel. cond. \$625. Maryann, 929-4978.  
**CABELA'S BUS TRIP** - 4 seats for 9/27, \$50, 2/\$25, unable to go. 775-6950.  
**CONCERT T SHIRT** - Jonas Bros, new/never worn, adult size L, "A Little Bit Longer", black, pic. avail. Ext. 5290.



## Santana Tribute Band, Milagro, To Play Berkner: Saturday, 9/27

Proceeds to benefit HHC Scholarship Program

Milagro, a Santana tribute band, will perform a two-hour concert in Berkner Hall on Saturday, September 27, at 7:30 p.m. Proceeds from the concert will benefit the BERA Hispanic Heritage Club's scholarship program.

Founded in 2004, Milagro is a seven-piece band with a full percussion section. The band has performed at venues all over Long Island, playing a variety of music that spans

Carlos Santana's 40-plus year career as the unique, Latin-rock musician who founded the renowned band Santana and sold more than 90 million records.

Tickets cost \$12 in advance or \$15 at the door on the evening of the performance. Tickets can be bought at the BERA store in Bldg. 488. The concert is open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

## 2009 BSA Scholarship Alert

Applications for 2009 BSA Scholarships may now be obtained 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, November 14, 2008. Please submit the yellow copy of the application form to Leesa Allen, Bldg. 400B.

Applicants must be secondary school seniors who will be graduated during the current academic year and entering college by fall 2009. To qualify, applicants must be: children of BNL employees who began regular, full-time, or regular, eligible part-time employment no later than November 14 of this year, and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren

are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the previous two years before making the application.

All scholarships are awarded competitively and are renewable for up to a total of four years of study toward an academic degree. Selection is made by an independent committee appointed by Scholarships and Recognition Programs in Princeton, NJ.

Thirteen scholarships will be awarded without regard to ethnicity. Two additional scholarships will be awarded to under-represented minorities (Black, Hispanic or Native American) achieving the requirements established for these scholarships.

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

**MULTIPLE TOOLS** - sawz-all, weed wacker, pwr. washer; d/r set, \$200; free sm. d/r hatch, much more. 543-7045.  
**RABBIT FUR PELTS** - great for Boy Scouts, 6 avail., \$4/ea. Ext. 5290.  
**WOOD/COAL BURNING STOVE** - Scotia; good condition. Best offer. 467-4386.  
**YAMAHA 385 FLUTE** - intermed level, sterling silver head, open hole, ask/\$450. Laura, 807-0457.

### Free

**FREEZER** - old, full-size, works well, u-pic-up. Robin, 744-3902.  
**PRINTER** - Epson C120, color, like new, needs cartridges. Yugang, Ext. 3485.

### For Rent

**BROOKHAVEN HAMLET** - rm. in a antique house, use of kit., w/d, Oct. 1-May 1. \$500/mo. 286-4485.  
**CENTER MORICHES** - 3 bdrm, 1.5 bath house, eik, d/r, l/r, den, gar., bsmt, beach & boating rights. \$1,900/mo. 846-4331.  
**FARMINGVILLE** - lg bdrm in house, full kit., l/r, d/r, share bath, incl. cable,wifi,phone, avail. 10/1. \$495/mo. Ben, 513-8275.  
**MASTIC** - new 1 bdrm., grd. flr, tiled kit & fam. bath, l/r, b/r, ceilg fans, thermo, priv. deck/ent/prkg, \$1,100/mo. 516-383-8941.  
**MIDDLE ISLAND** - 1 bdrm, lg remod bsmt apt, pvt ent&drwy, tel/cble/lnet incl., strictly no pet/smkng, nr. Lab, BNL employee only. \$900/mo. 880-3152.  
**MIDDLE ISLAND** - lg. bsmt. apt. lg. l/r, b/r, kit, walk-n closet, f/ba. incl. elect/cable/heat. priv. ent. \$1,200/mo. 786-3620.  
**MILLER PLACE** - studio apt, avail Oct., incl. all, lg space w/full bath, own thermo, cable, priv. ent. w/side yd. \$850/mo. 428-7065.  
**NAPLES CONDO** - 2 bdrm, 2 bath, den; 2nd flr. unit overlk lake, 17th green, det. gar., new furn., monthly rates. 751-7023.  
**PORT JEFFERSON** - spac. 1 bdrm. apt on 2 lvls in house, kit., bath, lg l/r, b/r w/ closet +small rm, \$1,025/mo. 338-2298.  
**RIDGE** - 1 bdrm. lg. bath, w/d, cable, 7 min. to Lab, util. incl., \$1,150/mo. 236-9114.  
**RIDGE** - lg. 1 bdrm., bath, a/c, w/d, stove, fridge, cable, priv. drwy/ent., w/w carpet/ tile, no smkg/pet. \$1,150/mo. 236-9114.  
**ROCKY POINT** - 1 bdrm apt, ideal for single, walk to beach, no pets, + util/sec. \$800/mo. 744-5282.  
**ROCKY POINT** - 1 bdrm house w/d, 1 blk to beach, 15 min. Lab, no pets, +util/sec. \$1,000/mo. 744-5282.

**SHIRLEY** - apt. in house, 3 bdrm w/ 1 bth, eik, l/r, close to shopping, 7 min to Lab, 1/ mo sec. \$1,450/mo./neg. 917-941-4061.  
**SHIRLEY** - bright, sunny 1 bdrm. apt. 2nd flr. of priv. home, sep. ent. and deck, fully furn., util. incl. \$1,100/mo. 516-319-6293.  
**SOUND BEACH** - Col. 2 story house, 8 rms, 2 bath, bsmt. w/d, d/w, skylight, 15 min. to BNL, dd-end str. walk to beach, Miller Place SD \$2,150/mo./neg. 849-3767.

### 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/elct; sprinklrs. \$375,000 949-7797.  
**MIDDLE ISLAND** - 4 bdrm ranch, fin. bsmt. w/wet bar, den, 2 fp, formal d/r, eik, deck koi pond, backed by 8 acres of woods. \$335,000/neg. 775-9064.  
**RIDGE** - open house, Sat., 9/20, 12-2pm, 25 Niewood Drive. beautiful 4 bdrm colonial, 2.5 baths w/fin. bsmt. income potential, too many upgrades to list! \$439,999 924-6395.  
**RIDGE** - cust. Victorian, 3,000 sq.ft., mins to Lab, 4/5 BR, 2+1/2 bath, jacuzzi, h/wd flrs, cent. air, ful bsmt w/sep ent., 2-car gar, 1 acre+, adjacent to protected land \$549,000/neg. 255-8445.

### Wanted

**ART STUDIO** - Prof. artist looking to rent sm. windowed space for painting/photo-shooting. Ext. 7066 or [cynam@bnl.gov](mailto:cynam@bnl.gov).  
**STUDENT FLUTE** - any model, closed hole, pref. Yamaha or Gemeinhardt, will pay up to \$150 acc. to cond. Dorene, Ext. 4153.  
**VINTAGE VIDEO GAME SYSTEMS** - Need to borrow working systems & games for a BNL demonstration. Will return. Joseph, Ext. 3584.

### In Appreciation

Many thanks to our BNL friends and colleagues for all your kind words and deeds on the passing of my loving husband, Stephen Gushue. Your kindness will long be remembered.  
- Cynthia Decker and the Gushue family.  
The family of Robert Sinatra wishes to express their sincere thanks and appreciation for the overwhelming outpouring of support from the entire BNL community. Sincerely, Jen, Ashley, & Rebecca, Linda & Bob, and Jen & Brian.  
- Linda Sinatra