

Seven BNL Scientists Named APS Fellows — BNL Historian Also Named an APS Fellow

Seven BNL scientists and the Lab historian have been named Fellows of the American Physical Society, a professional organization with more than 45,000 members. Election to APS Fellowship is limited to no more than one half of one percent of its membership in a given year, and election for this honor indicates recognition by scientific peers for outstanding contributions to physics. The citation and a photo of each of the new 2007 APS Fellows is given below. More information on their contributions and a brief resumé of each is available at www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=07-126.

Wolfram Fischer, Collider-Accelerator Department



"For the successful commissioning of high luminosity, high energy collisions at the Relativistic Heavy Ion Collider [RHIC] and outstanding contributions to the understanding of high-energy accelerator and collider properties."

Ady Hershcovitch, Collider-Accelerator Department



"For inventing and developing original plasma devices, as well as improving existing devices for applications in research and industry that led to new technologies and new physics."

Christopher Homes, Condensed Matter Physics & Materials Science Dept.



"For seminal contributions to the development of infrared spectroscopy, and its application to strongly correlated systems."

Steven Kettell, Physics Department



"For his leadership in rare kaon decay experiments."

Edward O'Brien, Physics Department



"For leadership in the construction, operation and continuous improvement of the PHENIX detector since the start of RHIC, notably for the successful implementation of significant annual upgrades of the detector as part of a systematic program to extend its physics research."

DeJan Trbojevic, Collider-Accelerator Department



"For his original contributions in the design, commissioning and operations of Tevatron and RHIC colliders and for the development of new concepts for future accelerators."

Raju Venugopalan, Physics Department



"For seminal work elucidating the parton substructure of nucleons and nuclei at low x."

Robert Crease, BNL Historian, Stony Brook University



For his extensive historical writings on physics, including *The Second Creation, Making Physics: A Biography of Brookhaven National Laboratory*, and his completion of Robert Serber's memoirs and Abraham Pais's biography of J. Robert Oppenheimer.

Photos by Roger Stoutenburgh. Photo numbers, from top: D0081207, D0771107, D1121207, D0071107, D0771207, D1131207, D2091107, and D1931107.

Jim Misewich Named to Head BNL's Basic Energy Sciences

Jim Misewich has been named BNL's Associate Laboratory Director for Basic Energy Sciences (BES), effective December 14.

With a staff of about 180 and an annual budget of about \$50 million, the BES Directorate is responsible for overseeing research in chemistry, condensed matter physics, materials science and nanoscience. Nano-science, the study of materials at ultra-small dimensions, will expand at Brookhaven's Center for Functional Nanomaterials, a state-of-the-art facility that began preliminary operations in 2007 and is expected to be fully operating in the spring.

"Brookhaven Lab has outstanding scientists, extraordinary facilities, and an important role to play in addressing the nation's research needs," Misewich said. "I am honored to have an opportunity to be part of the management team that will help the Lab grow into an even more important contributor to the DOE mission to secure energy independence for our nation." Misewich envisions BES research scientists collaborating with researchers from across the Laboratory, universities and industry to provide scientific



Roger Stoutenburgh D0030108

leadership for key research challenges in the area of energy sciences.

Misewich has made significant contributions in several fields, including optics, nanomaterials, ultrafast studies, and surface science. As Chair of Brookhaven's Condensed Matter Physics and Materials Science Department, Misewich developed new research programs focusing on the synthesis of high-quality materials and new materials, the high-precision characterization of the physical properties of these materials, and the theoretical understanding of them.

Jim Misewich earned his Ph.D. from Cornell University in 1984 in physical chemistry, with a focus on surface science. He then joined the laser physics group at the IBM Thomas J. Watson Research Center in Yorktown Heights, NY. In 2002, he came to Brookhaven as Chair of the Materials Science Department and later became Chair of the Condensed Matter Physics and Materials Science Department. In June 2007, he became Interim Associate Laboratory Director, a position he held until his current appointment. He is a Fellow of the American Physical Society and the Optical Society of America. — Diane Greenberg

Norman Sutin Named Senior Chemist Emeritus

With a Ph.D. in radiochemistry from England's Cambridge University, Norman Sutin, Chemistry Department, accepted a research associate position at BNL in 1956. He recalls that "the name Brookhaven conjured up images of green pastures, running streams, and a tranquil lifestyle." But he was disillusioned when he arrived at BNL and found it to be the site of Camp Upton, with refurbished barracks serving as both laboratories and dormitories. There was no transportation off site, and he had no car.

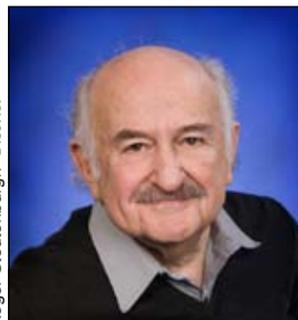
Sutin regained his high spirits when he met his colleagues, who extended their warm hospitality to him. These colleagues were not only excellent scientists, but also became caring friends.

Now, more than a half-century later, Sutin is still pursuing his research at BNL. For his long and distinguished career in inorganic chemistry, for his significant contributions to the scientific community, and for his continued active involvement in the research of the Chemistry Department, Sutin has been named Senior Chemist Emeritus. He therefore will retain many of the rights, privileges and obligations of active employees.

"I am very pleased to be chosen for this appointment," Sutin said. "I'm now an insider rather than contributing from the sidelines."

Sutin is, in fact, very much an "insider" at the Lab, where he continues to work part-time, generally three days per week. Since his retirement in 2001, he has produced nine publications with BNL colleagues.

Sutin's research focuses on understanding the fundamental mechanism of electron-transfer reactions, which are important for many chemical processes, including photosynthesis and biological energy conversion. Early in his career, he studied electron-exchange reactions, a simple class of electron transfer in which an electron "hops" between two identical metal centers, as well as reactions in which the electron transfer is ac-



Roger Stoutenburgh D1881107

companied by a net chemical change.

In the 1970s, decades before the current energy crisis, Sutin started to investigate light-induced electron-transfer reactions, as they are useful in energy-conversion processes. He played a major role in research to use solar energy to split water, producing hydrogen for possible use as a fuel, and oxygen.

Later in his career, Sutin began to study a broader class of electron-transfer reactions, many of which occur in

very short time spans. This research required specialized techniques, and, thus, Sutin and his BNL colleagues developed rapid reaction techniques that became widely used, including a laser heating process, developed with collaborators from Columbia University, to study reactions in the nanosecond regime.

In June 2007, Sutin was honored in a special issue of *The Journal of Physical Chemistry B* [111 (24), 6593-6968, 2007], which was dedicated to his work and its impact. Sutin wrote an autobiographical article for that issue, called "On the Trail of the Electron: Bridges, Tunnels, and Tolls." At the end of the article, he gave credit to his colleagues, in a humorous tone, saying, "Many outstanding scientists have been engaged in the pursuit of the hopping, skipping, and jumping electron over hilltops, through tunnels, and across bridges. They have made the quest fun and exciting."

At BNL, Sutin was named a senior chemist in 1966 and chaired Chemistry from 1988 to 1995. After retiring in 2001, he served as a chemistry consultant until September 2005. Sutin has been honored with numerous awards, including the American Chemical Society Award for Distinguished Service in the Advancement of Inorganic Chemistry in 1983, the New York Academy of Sciences Award in Photochemistry in 1985, and BNL's Distinguished R&D Award in 1995. Sutin is a member of the National Academy of Sciences and a fellow of the American Academy of Arts and Sciences. — Diane Greenberg

DOE Seeks Comment On Reactor Cleanup Proposed plan details options for High Flux Beam Reactor

The U.S. Department of Energy (DOE) is seeking public comment on a proposed decommissioning plan for BNL's High Flux Beam Reactor (HFBR). The public comment period is open from Thursday, January 10, through Monday, March 17, 2008. The decommissioning plan, known as the Proposed Remedial Action Plan for the High Flux Beam Reactor, along with its accompanying Feasibility Study, is available at <http://www.bnl.gov/hfbr> and at the Mastics-Moriches-Shirley, BNL, and U.S. Environmental Protection Agency libraries.

All employees, users, guests, and members of the public are

invited to comment on the Proposed Plan. Interested parties can learn more about the decommissioning plan during two information sessions, which will be held on Tuesday, March 4, from noon to 2 p.m. in Berkner Hall, Room D, and 7-9 p.m. in Berkner Hall, Room B. A public meeting will be held on Thursday, March 6, 7-9 p.m. in Bldg. 490 (Medical) conference room. Comments can be submitted during the meetings or e-mailed to tellDOE@bnl.gov, faxed to 631-344-3444, or mailed to Brookhaven Site Office Manager Mike Holland, Bldg. 464.

The four HFBR cleanup alterna-

tives described in the Proposed Plan were developed by DOE with input from the U.S. Environmental Protection Agency, NYS Department of Environmental Conservation, NYS Department of Health, and Suffolk County Department of Health Services. The first, Alternative A, is a "No Action" alternative, required as a baseline for comparison purposes. Alternatives B, C, and D all provide for the complete removal of the HFBR complex, but the timing for the removal activities for each alternative differs. A more detailed description of each alternative is (continued on page 2)

CALENDAR OF LABORATORY EVENTS

• The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermediate, 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 Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov

Mondays: Pilates
Noon-1 p.m. Rec. Hall. Ext. 5090

Mondays & Wednesdays: Pilates
5:15-6:15 p.m. Rec. Hall. Ext. 5090

Mondays: Jiu Jitsu Club
6:30-7:30 p.m. B'haven Center. All levels, ages 6 & up. \$10/class. Tom, Ext. 4556

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

Tuesdays: Hospitality Coffee
10:30 a.m.-noon, Rec. Hall lounge. 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: Toastmasters
1st & 3rd Tuesday of month, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. www.bnl.gov/bera/activities/toastmasters/

Tue., Wed. & Thu: 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

Tues. & Thurs.: Jazzercise
Noon, Rec. Hall. Ext. 5090.

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

Tuesday & Thursday: Aqua Aerobics
5:30-6:30 p.m., Pool. Ext. 5090

Wednesdays: On-Site Play Group
10 a.m.-noon. Rec. Hall. Infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

Wednesdays: Ballroom Dance Class
B'haven Center, N. Ballroom. Instructor: Giny Rae. Starts September 12 and 19. Ext. 3845.

Wednesdays: Weight Watchers
Noon-1 p.m. Michael Thorn, Ext. 8612

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

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

Think About . . . Random Acts of Kindness

February 11-17 is "Random Acts of Kindness Week" (RAK) in the U.S. In a joint effort, the Employee Assistance Program (EAP) and the Employee Relations Office (ERO) will be sponsoring this event at BNL. All departments/divisions are encouraged to observe RAK Week and to discuss what they would like to do about it as a group. You can get as creative or low-key as you wish. For ideas, go to www.actsofkindness.org.

EAP and ERO will be asking for short blogs about a kindness, whether something done to the bloggers or by them. A flyer with more information will be forthcoming.

Charles Simonyi, Bill Gates Give \$30 Million To Help Build Large Synoptic Survey Telescope

The Charles Simonyi Fund for Arts & Sciences and Microsoft founder Bill Gates together contributed \$30 million toward the construction of the Large Synoptic Survey Telescope (LSST).

BNL is collaborating with more than 20 institutions to construct the powerful telescope on a mountain peak in Chile. The LSST will be used to probe fundamental questions in astronomy and physics, taking digital images of objects such as exploding supernovae and potentially hazardous near-Earth asteroids.

LSST will take pictures of the sky using a gigantic camera within the telescope. BNL has the lead role in developing the "film" for this camera, which is composed of electronic sensors, just

as in a digital camera, but hundreds of times larger and sensitive to near-ultraviolet and infrared as well as visible light. The camera will capture the light from distant galaxies, which has taken billions of years to reach Earth. BNL has been developing ways of learning about the mysterious ingredients that make up most of the universe — dark energy and dark matter — from the pictures of these galaxies, so far away in space and time.

For more information on the \$30-million gift, go to: www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=08-X1

For a view of astronomy on a smaller scale, see the story on BNLer Rick Jackimowicz, at right.

BNL Police Group Assists in Training VetDogs, Helps Guide Dog Foundation, U.S. Military

On a sunny but seasonably cool day in December, the Lab's Police Group welcomed special guests to the Lab: three soldiers and two black Labrador Retrievers named Boe and Budge. Joining the guests were members of the Guide Dog Foundation (GDF) and the Lab's Veterans Association.

Boe and Budge are embarking on a new career. They have been trained by the GDF to become the first U.S. Military VetDogs. The soldiers are their new handlers, and have taken the dogs to military field hospitals in Tikrit and Mosul, Iraq, where the dogs will provide companionship and a morale boost for recovering soldiers. The dogs and their soldier handlers arrived in Iraq just before Christmas. The soldiers, on orders from the 85th Medical Detachment, officially took ownership of Boe and Budge on Thursday, December 13, during a ceremony held at the Smithtown campus of the Guide Dog Foundation for the Blind.

The U.S. Army has assured the GDF that Boe and Budge will be safe. The dogs will not be on the front lines although they will be in a combat area. Their visit to the Lab was intended to familiarize them with the sound of gunfire. The BNL Police Group played an integral part in the training, as the dogs and their handlers spent time at the on-site shooting range.

BNL Police Officer Brian Buckheit led the event. His brother Michael, a former BNL Police Officer, is an active GDF volunteer who knew that the Lab had a shooting range and asked his brother to see if it was possible to use it as part of the VetDogs training program. Brian Buckheit said he had the full support of his fellow officers and Division Manager, John Amabile.

With Officer David Baulch, Buckheit fired off several rounds of ammunition that December day as Captains David Peter, Thomas Gilbert, and Steven Mc-



Roger Stoutenburg D1411207

Cune acted as the range officers ensuring that all safety precautions were followed. In addition to required safety precautions for everyone, "doggles" were worn by the dogs to protect their eyes, and headsets were worn to protect their ears. The dogs had a very mild reaction to the sounds of gunfire, indicating that they have been well trained and are ready for their deployment to Iraq.

After the shooting exercise, the BNL Police Group welcomed all guests to a luncheon where everyone interacted with the dogs. Lanny Bates, Assistant Laboratory Director for Facilities & Operations, addressed the group saying, "The Lab has a long history of serving the U.S. Military, first as Camp Upton in World War I, again in World War II, and now as part of a skilled therapy dog program for recovering soldiers. We all look forward to a continuing partnership with the GDF and the VetDogs program."

— Jane Koropsak
For more information on the Guide Dog Foundation and VetDog program go to: www.guidedog.org.

DOE Seeks Comment on Reactor Cleanup

(cont'd)

included in the Proposed Plan.

DOE is recommending Alternative C, Phased Decontamination & Demolition with Near-Term Control Rod Blade Removal, as the "preferred" alternative. Under this alternative, the reactor's control rod blades and beam plugs would be removed no later than the end of 2020. The ancillary buildings, soils, and underground ducts and piping will also be removed in this same time frame (no later than the end of 2020). The remaining

activated components, the confinement building, and the remaining soils will be removed after a decay period that does not exceed 65 years following the finalization of the HFBR Record of Decision. This decay period will allow the dose rate at one foot from the reactor components to fall below a "high radiation area" threshold, enabling removal of the components using conventional demolition techniques. The projected cost of this alternative is \$144 million.

Meet Rick Jackimowicz

A photographer by skill but an astronomer at heart, Rick Jackimowicz's cosmic photos capture his two loves in one frame. Jackimowicz, an NSLS protein crystallography operator and former technical project supervisor for RHIC, began photographing the night sky when he was just 17 with the assistance of a telescope he built himself.

"It was the only way I could afford to get equipment," said Jackimowicz, whose collection of astrophotography gear has greatly grown during the span of his almost 40-year-old pastime.

Armed with a telescope, a laptop, and several types of specialty digital cameras, including an autoguider to compensate for movement of deep space objects, Jackimowicz takes photos of everything from star clusters, nebulas and galaxies, to the planets and comets in our own solar system.

"With help from modern photographic equipment and computers, you can capture what your eyes can't see," he said. "Many times, I shoot a blank portion of sky and hope what I'm looking for shows up."

The conditions have to be perfect, though — no moonlight or clouds to ruin the view. And when everything is right, Jackimowicz sets up camp in his favorite location: his backyard.

"Astrophotography is one of the few peaceful hobbies where you don't have to leave home," he said. "It's simply beautiful."

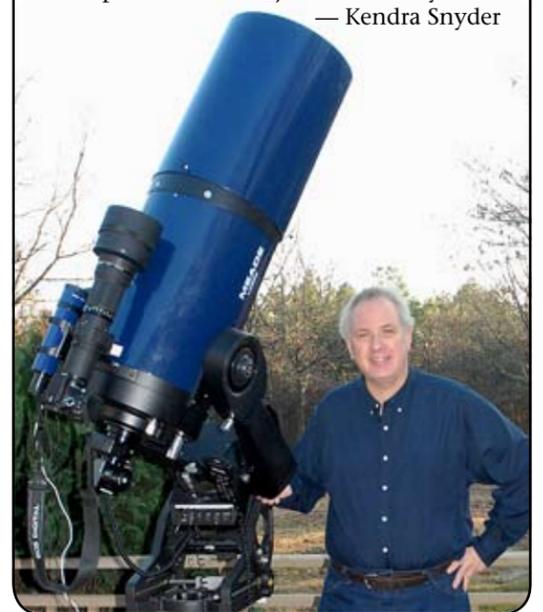
Jackimowicz, who studied astrophysics in college, ran a photography side business for many years, taking photos at numerous BNLers' weddings. After joining the Lab in 1980, he became an avid member and president of the BERA Astronomy Club, and built a 16-inch telescope for the now-defunct observatory. His images have been published in multiple instructional books, and his favorite work is of colorful, wispy nebulas.

In December, Jackimowicz captured photos of Comet 17P/Holmes, a periodic comet that was making a rare and very visible appearance in the northeastern sky. Now it is less bright; dark skies and binoculars or a telescope are required to see it. Look in the constellation of Perseus, directly overhead at 9 p.m. Jackimowicz encourages anyone to contact him who is interested in viewing the comet, or another, Comet 8P/Tuttle in the constellation of Aries, or other parts of the night sky. He is especially interested in talking with anyone who would like to help get the BNL Astronomy Club restarted.

"I take pleasure in sharing these images with people," Jackimowicz said. "Deep space just has its own beauty."

To take a look at some of Jackimowicz's photos, including of Comet Holmes, go to www.pbase.com/rick_jack/astronomy.

— Kendra Snyder



For more information on Reactor Cleanup, contact Jeanne D'Ascoli, BNL, (631) 344-2277 or dascoli@bnl.gov; or John Carter, DOE, (631) 344-5195 or jcarter@bnl.gov.

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 need to provide all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

Call for Technology Maturation Funding Proposals

Deadline for receiving proposals: March 3

BNL's Office of Intellectual Property (OIP) is now soliciting proposals for the inaugural competition for Technology Maturation (TM) awards that will begin in Fiscal Year 2008 (FY08). New TM projects are expected to begin funding in June 2008. It is important to note that for FY08 there will be just one single call for proposals for TM funding. The purpose of the TM Program is to facilitate technology transfer from BNL to the private sector. OIP anticipates funding projects aimed at moving research from the "proof of concept" stage to a degree of development sufficient to support pilot-scale operations. The TM program will fund late-stage research that can be transferred to a partner at the end of the funding period.

For more details, including the TM program review procedures and criteria, see: <http://www.bnl.gov/techxfer/TechMat.asp>. For more information contact the Office of Intellectual Property, oiplr@bnl.gov, Ext. 3035, or Ext. 4151.

BSA Noon Recital, 1/30 Cellist Ramakrishnan, Pianist Schenkman

Raman Ramakrishnan, cellist of the Daedalus Quartet, will perform master works of the cello accompanied by noted pianist Byron Schenkman (below) on Wednesday, January 30, 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.



A member of Yo-Yo Ma's Silk Road Ensemble, Ramakrishnan (above) holds a Harvard University BS in physics and a master's in music from The Juilliard School.



Join BERA Trips!

Tickets include coach fare. Buy tickets at the BERA Store, Berkner Hall, weekdays, 9 a.m. to 3 p.m. Coaches depart from the Brookhaven Center. **Friday, February 8. Knicks vs. San Antonio**, Madison Square Garden. The price is \$65 per person, for seats in Section 340, rows G-L. The coach departs from BNL at 4 p.m. for 7:30 p.m. game.

Arrivals & Departures

— Arrivals —

Stefan Bathe.....Physics
Derek Bruzewicz.....CMP&MS
Prolay Das.....Biology
Foteini Deli.....Medical
Aditya Goel.....NSLS
Satyanarayana Lagishetty.....Biology
Yongjun Li.....NSLS-II
Richard Porqueddu.....CA-D
Jerzy Sadowski.....CFN
Ralf-Christian Seidl.....Physics
Avnish Sharma.....Instrum.

— Departures —

JoAnna Lovett-Black.....PPM
Kevin Corbett.....HR/OM
Jan Flege.....CFN
Weimin Gao.....Envir. Scis.
Luis Larios.....Plant Eng.
Mahendra Madegowda.....Biology
Samuel Mason.....CA-D
David Winchell.....ES&T

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, 1/23, and Tuesday, 1/29, to answer employees' questions about financial matters. The consultant will help you: understand the importance of protecting your assets against inflation, find the right allocation mix for you, learn about TIAA-CREF retirement income flexibility, compare lifetime income vs. cash withdrawal options.

For an appointment, call Suzanne Leone, (866) 842-2053, Ext. 4601.

Lab Holidays, 2008

The Bulletin was disconcerted to be reminded that a very important list — of Lab holidays for 2008 — was not published in 2007. What can we say? We were so busy, we did not notice!

- New Year's Day..... Tuesday, January 1
- Floating Holiday, Martin Luther King Jr. DayMonday, January 21
- President's Day..... Monday, February 18
- Memorial Day..... Monday, May 26
- Floating Holiday..... Thursday, July 3
- Independence Day.....Friday, July 4
- Labor Day..... Monday, September 1
- Veterans Day..... Tuesday, November 11
- Thanksgiving Day..... Thursday, November 27
- Day After Thanksgiving.....Friday, November 28
- Christmas Eve (1/2 day)..... Wednesday, December 24
- Christmas Day..... Thursday, December 25

Brookhaven Café Opens in Bldg. 400

Joseph Rubino D0050108



Nayyarsons employee Donna Morning serves up a coffee specialty.

The votes (both online and in writing) have been tallied and the name for the new café located in the lobby of the Research Support Building (#400) is Brookhaven Café.

Run by Nayyarsons, the company that provides food service to the Lab, the café has already begun serving Starbucks coffee specialties such as lattes, espresso drinks, hot tea and chocolate, and pre-wrapped snacks. The café is open on weekdays from 7 a.m. to 7 p.m. All employees, visitors, and guests are welcome.

Brookhaven Retired Employees Association Talk, 1/17 Update on Suffolk's Senior Citizen Task Force: Housing, Transportation, Long-term Care

At noon on Thursday, January 17, Suffolk County Legislator Steven Stern, Chair of the Veterans and Seniors Committee, will talk about the progress of the County-Wide Senior Citizen Task Force that he has established. The Task Force is addressing issues important to seniors such as affordable housing, accessible transportation, and the increased need for long-term care. The talk, which is sponsored by the Brookhaven Retired Employees Association (BREA), will be held in the Chemistry Department's Hamilton Seminar Room, Bldg. 555. All are welcome. Visitors to the Lab of 16 and over must carry a photo I.D.

Join BNL's 'Virtual' Swim to the Bahamas

Don't put your suntan lotion or swim suit away yet — visit the Lab pool and sign up for the BNL "virtual" swim to the Bahamas. The big swim, which is approximately 1,200 miles as the seagull flies, will run for three months, January 1-March 31. Everyone who helps swim to the Bahamas will be invited to enjoy a big Bahama Party as a finale. But you must swim it to attend it!

All are welcome to participate — employees, family members, retirees and guests. No minimum number of lengths is required, and swimmers go at their own pace, resting as often as they like. As the individual and/or group lengths that have been swum are reported, they will be totaled periodically, then converted to miles and tracked on the BNL "Virtual" Swim Map posted at the pool.

Defensive Driving Course in Two Parts, 1/28 & 31

The six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on Monday, 1/28 and Thursday, 1/31, in the Brookhaven Center, South Room, 6 p.m.-9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families, at \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

Intro to Weather: SCCC Course Offered on Site

Suffolk County Community College (SCCC) will offer the following course on site for the spring 2008 semester that will satisfy requirements for most SCCC degrees as a science elective. Ten participants have already registered; another five are needed to make up the minimum of 15 students to run the course.

ES17 - Introduction to Weather (Prerequisite: MA07 or equivalent) - 4 credits
Introduction to elements and energies that are basic processes described as weather. Basic principles such as temperature, pressure, density, humidity and air movement are studied to provide a basis for understanding long and short range forecasting, including severe weather phenomena such as hurricanes, tornadoes, and storms.

BNL offers tuition advances or reimbursements at 75 percent for undergraduate courses. Contact Starr Munson, munson@bnl.gov or Ext. 7631.

In Memoriam

Frances Brown, who became a Medical Department technical specialist on August 16, 1971, and retired from Health Physics as a senior technical specialist on December 31, 1995, died on December 25, 2006. She was 80.

Anthony Fabiano, who joined Central Shops Division as a machinist on September 28, 1959, and retired as a tool & instrument maker on October 10, 1982, died at 82 on April 6, 2007. He had left BNL from July 1966 to July 1974.

Donald Cass, a job shopper for the Accelerator Development Department (ADD) from July 22, 1991, who joined ADD as a senior designer on December 30, 1991, died at 74 on April 10, 2007. He retired from the Relativistic Heavy Ion Collider Project on February 13, 1998.

Stanley Mars, who started in the Supply & Materiel Division as a warehouseman on May 21, 1962, died at 70 years old on May 29, 2007. He had retired as a storeskeeper on April 3, 1996.

Joseph Fedelem, who joined the Department of Nuclear Energy as an advanced technician on December 10, 1962, and retired as a Department of Applied Science technical associate II on January 5, 1979, died at 83 on April 29, 2007.

John Bland, who joined the Systems & Procedures Division as a senior systems analyst on January 23, 1967, and retired from the Fiscal Division on October 31, 1997, as a senior technical systems analyst, died on May 19, 2007. He was 68.

Joseph Disparti, who joined the Plant Maintenance Division as an electrician A on September 6, 1955, and retired as an electrician A group leader on March 27, 1981, died at 87 on June 14, 2007.

Harvey Richardson, who became a security patrol trainee in the Safeguards & Security Division on December 2, 1963, and retired as a guard on October 14, 1993, died at the age of 74 on June 16, 2007.

CALENDAR

— WEEK OF 1/14 —

Thursday, 1/17

***Talk on Senior Citizen Issues**
Noon. Hamilton Seminar Room, Bldg. 555. Sponsored by BREA, the Brookhaven Retired Employees Association, Suffolk County Legislator Steven Stern, Chair of the Veterans & Senior Committee, will talk on "The Suffolk County-Wide Senior Citizen Task Force." All are welcome. Visitors to the Lab of 16 and over must have photo ID. See notice, below, left.

— WEEK OF 1/21 —

Monday, 1/21

Martin Luther King Jr. Day
Floating Holiday, Lab Closed
No Bulletin will appear this Friday, 1/25.

Thursday, 1/24

Brookhaven Lecture
4 p.m. Berkner Hall. James Murphy, National Synchrotron Light Source Department, will give the Brookhaven Lecture, topic to be announced. All are welcome to this free lecture, open to the public.

Saturday, 1/26

***Gathering of the Slides' Concert**
7:30 p.m. Berkner Hall. Sponsored by the BNL Music Club, the Kerry Kearney Band, Chris English, and Pat Russo will perform in the sixth annual "Gathering of the Slides" Blues Concert at BNL. Tickets are \$15 in advance from the BERA Store in Berkner, or \$20 at the door. All are welcome to this concert; visitors to the Lab of 16 and older must carry a photo ID. For more details, see p. 4.

— WEEK OF 1/28 —

Monday, 1/28

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

***Defensive Driving Course, Part I**
6-9 p.m. B'khaven Center, South Room. Defensive Driving course, Part I. \$38 per person. For details, see notice, left.

Wednesday, 1/30

CostCo Membership Drive
11 a.m.-2 p.m. Berkner Hall lobby. CostCo representatives will hold a membership drive, with raffles, giveaways, and advantageous discounts. All are welcome.

***BSA Noon Recital**
Noon. Berkner Hall. See notice at left.

Thursday, 1/31

***Defensive Driving Course, Part II**
6-9 p.m. Brookhaven Center South Room. See details above, left.

Classified Advertisements

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

DRIVER (regular position) - Drives and services any and all Laboratory automotive vehicles under any conditions of usage. May be required to load and unload, perform necessary road maintenance, and perform related clerical duties. Hours are 3 a.m. - 11:30 a.m. If interested, send transfer form to Diana Hubert, Bldg. 400B.

LABORER (regular position) - Performs wide variety of manual labor tasks on roads, grounds or building maintenance. May perform unskilled tasks assisting mechanics. Operates such equipment as power lawn mowers and pneumatic tools. If interested, send transfer form to Diana Hubert, Bldg. 400B.

CUSTODIAN (2 regular positions) - Under general supervision, performs general cleaning and housekeeping duties in all Lab buildings. Hours are 3 a.m.-11:30 a.m. If interested, send transfer form to Diana Hubert, Bldg. 400B.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in applied mathematics, materials science, physics or a related discipline. Experience with parallel computing and modern supercomputer architectures is desirable. The candidate should demonstrate research ability in numerical methods for complex PDE based systems, and in the design and operation of parallel simulation codes for large supercomputers. The successful candidate will also demonstrate knowledge of modeling of fluid flow in the multiphase regime with phase transitions. One area of work will be a multi-institutional collaboration on multiphase fluid dynamics/MHD simulations on energy research projects including the Global Nuclear Energy Partnership initiative. For additional appointments, other areas of computational science will be considered. For more information visit www.bnl.gov/csc. Applicants should send a CV and three recommendation letters electronically to Roman Samulyak, Computational Science Center, rosamu@bnl.gov with a copy to Claire Lamberti, Lamberti@bnl.gov, referring to Position No. FH 4546.

ASSISTANT PHYSICIST (2 Positions) - Requires a Ph.D. or equivalent degree in physics or astronomy. Candidates should have a record of independent research and accomplishment and have the potential to become leaders in the field. The successful candidate's research program could be in the analysis of astronomical data for cosmologically significant results, in optical and/or near-infrared observational techniques for cosmology, or in cosmological simulations. The candidate may also participate in the sensor R&D for the LSST in a joint effort by the Physics Department and the BNL Instrumentation Division. Applications should be received by March 1, 2008 to be given fullest consideration. However, applications will be accepted until the positions are filled. The appointments will begin in September 2008, or sooner. Interested applicants should send a letter (pdf format), CV, publication list, and a brief description of research interests (proposed research) to the Physicschair@bnl.gov, or by mail to Dr. Thomas Ludlam, Physics Department, Building 510A, Brookhaven National Laboratory, Upton, NY, 11973. Applicants should also arrange for 3 letters of recommendation to be sent to the same address (email preferred). Refer to Positions No. FH 4784 or FH 4785.

POSTDOCTORAL RESEARCH ASSOCIATE (3 Positions) - Requires a Ph.D. in experimental condensed matter physics or a related field, and preferably have research experience related to magnetic or strongly correlated materials, or bulk synthesis methods. Neutron or x-ray scattering experience optimal, as well as expertise in bulk crystal synthesis and characterization techniques. Electron microscopy, crystallography, or scanning probe microscopy skills preferred. Experience with low temperature measurement techniques are required, especially magnetization, heat capacity, and electrical transport. The research project focuses on the synthesis and study of magnetism and superconductivity in novel and strongly correlated intermetallic compounds, with special emphasis on the collective phenomena found near quantum critical points. Interested candidates should submit a CV and the names of three references to Meigan Aronson, maronson@bnl.gov, Condensed Matter Physics and Materials Science Department, referring to Position No. FH 4597.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, chemistry or materials science with primary focus on theoretical research. Candidates should have a strong record of research experience, including the use of computational electronic structure methods. Research areas of interest to the group include: properties of metal and semiconducting nanoclusters including interactions with organic ligands; electronic and structural properties of junctions formed

with a single molecule including electron transfer or conductance characteristics; and theory of electronic and optical excitation energies in nanosystems. Research projects in this position will also offer the opportunity for close interaction with experimental programs. Under the direction of M. Hybertsen, Center for Functional Nanomaterials, Theory and Computation Group. Send CV to felicia@bnl.gov, referring to Position No. FH 4020.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, chemistry or materials science. Experiences with computational methods of physical chemistry and a strong background in solid-state physics or chemistry is desired. Work will involve the theoretical studies based on density functional theory (DFT) and Transition State Theory (TST) and will focus on analyzing the catalytic activities of unsupported nanoparticles. The candidate must be open to collaboration with experimental and theoretical groups. Under the direction of P. Liu and J. Muckerman, Chemistry Department. Send CV to felicia@bnl.gov, referring to Position No. FH 4915.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physical, computational, or theoretical chemistry or chemical or molecular physics. Experience with density functional theory and ab initio quantum chemistry calculations on molecular systems, preferably large ones, is desired. Knowledge of inorganic coordination chemistry, organometallic chemistry and/or bio-mimetic chemical systems is highly desirable. Work will involve theoretical and computational studies related to artificial photosynthesis ranging from the absorption of visible light and creation of electron/hole pairs by band-gap-narrowed semiconductors, through multi-electron water oxidation catalysis, to the photocatalytic generation of NADH-like carbon-based hydride donors, and will be aimed at the production of fuels such as H₂ and methanol using solar energy. This theoretical and computational work will be closely coordinated with parallel experimental studies, and in many cases, will be used to screen candidate systems for thermodynamic and kinetic feasibility. Under the direction of J. Muckerman, Chemistry Department. Send CV to felicia@bnl.gov, referring to Position No. FH 4916.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. or equivalent degree in physics. Experience with computer simulations is also required. Experience in accelerator physics and using C++ and Fortran is desired. Work will involve simulating new ideas for cooling muon beams, designing acceleration schemes for the Neutrino Factory and designing acceleration schemes for the Muon Collider. Under the direction of R. Palmer and S. Berg, Physics Department. Send CV to felicia@bnl.gov, referring to Position No. FH 4786.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in structural biology, molecular biology/biochemistry or crystallography. Experience in macromolecular crystallography is required and the prospective candidate should be able to work independently. Research program involves structure determination of macromolecules in high throughput manner. The BNL Biology Department has excellent facilities for molecular and structural biology. State of the art x-ray diffraction data collection facilities are available at the BNL National Synchrotron Light Source Department. Under the direction of S. Swaminathan, Biology Department. Send CV to felicia@bnl.gov, referring to Position No. FH 4837.

COMPLIANCE TRAINING MANAGER (M-1) - Requires a minimum of a bachelor's degree in education or related discipline and 15 years related experience that includes 10 or more years in a supervisory capacity. Advanced degree preferred. Requires knowledge and experience with training and qualification requirements for DOE Orders: 5480.20A, 414.1C, and 226.1; 10CFR851; OSHA; ISO14000 and 18001; and integrated safety management principles. Requires excellent interpersonal, written, and verbal communication skills as well as presentation/platform skills. Substantial training program and course development experience required as is personnel management experience. Strong computer skills required as is being an independent worker with commitment to customer service. Familiarity with Brookhaven training programs and systems is highly desirable. Oversee technical training qualification programs designed to promote knowledge and compliance with environmental, safety, security, and health issues, requirements and safety work practices. Act as liaison between training organization and ESS&Q subject matter expert staff to determine need for, designs, and implementation of high quality training to support the safe and efficient operation and staff qualification. Oversee instructor staff and compliance training operations. Responsible for the program's quality improvement and self-assessment plans to ensure program effectiveness. Act as training point of contact for audits and corrective action plans. Produce high quality, compliant technical and skills training programs that ensure staff qualification. Serve as a formal reviewer of training to ensure accuracy and completeness. Teach technical and supervisory courses. Write program procedures. Training & Qualifications Program Office/Human Resources & Occupational Medicine Division. Send resume to sobrito@bnl.gov referring to Position No. NS 4974.

LEAD MECHANICAL ENGINEER (P-10/P-9, reposting, ERAP Eligible - \$1K) - Requires a bachelor's degree in mechanical engineering or demonstrated equivalent capabilities and at least 15 years experience in mechanical or facilities engineering. Master's degree or professional license a plus. Must have experience in the design, specification, procurement and construction of mechanical facilities for buildings. Must have experience in use of AutoCAD or similar design tools, vibration isolation methods, high accuracy temperature control systems, building energy management control systems, plumbing and piping systems and, mechanical services for laboratory and process equipment. Experience in project management, including estimating construction costs, preparing schedules, developing specifications, preparing procurement documents and managing contracted services is required. Selected candidate is responsible for planning, reviewing and monitoring the design and construction of the mechanical engineering work of the NSLS-II Conventional Facilities Division. Will be responsible for the mechanical engineering aspects of building HVAC, controls, fire protection, chilled water, process cooling water, plumbing and underground utilities; must have experience in: management and oversight of A/E design firms, construction contractors; oversight and coordination of construction activities, review of shop drawings, system commissioning and verification of system testing and performance. Experience in design and construction of fire protection systems, underground utility systems, application of earned value management (EVMS) and control system programming is a plus. Will report to the NSLS-II Conventional Facilities Division Director. National Synchrotron Light Source II. Send resume to nsls2jobs@bnl.gov referring to Position No. DL4891.

LEAD ELECTRICAL ENGINEER (P-10/P-9, reposting, ERAP Eligible - \$1K) - Selected candidate is responsible for planning, reviewing and monitoring the design and construction of the electrical engineering work of the NSLS-II Conventional Facilities Division. Responsible for electrical engineering and design of 69 kV main power substation, protective relaying schemes and calculations, medium/low voltage power distribution, underground duct bank and cable systems, building power distribution and lighting, fire suppression/detection systems, building automation/control wiring, HVAC equipment and controls, emergency power systems and data/communication wiring. Qualifications Required: Bachelor's degree in electrical engineering or demonstrated equivalent capabilities and at least 15 years experience in electrical engineering; experience in the design, specification, procurement and construction of electrical utility services and distribution systems for buildings and experience with applicable NEC, IEEE and NFPA codes; expert knowledge in use of AutoCAD or similar design tools, circuit load and protective calculations or analysis software, lighting design tools, building automation/control systems, design of electrical distribution and grounding systems in industrial, office and laboratory environments; extensive experience in management and oversight of A/E design firms, electrical construction contractors; oversight and coordination of construction activities, review of shop drawings, system commissioning and verification of system testing and performance; experience in project management, including estimating construction costs, preparing schedules, developing specifications, preparing procurement documents and managing contracted services. Qualifications Preferred: Master's degree or professional license, fire protection/detection system design, EMI/RFI reduction experience, NFPA70E arc flash calculations and application of earned value management systems (EVMS). Will report to the NSLS-II Conventional Facilities Division Director. National Synchrotron Light Source II. Send resume to nsls2jobs@bnl.gov referring to Position No. DL4892.

TECHNOLOGY ENGINEER (I-6, reposting) - Requires a bachelor's degree in computer science or related discipline or equivalent, and 3+ years of recent relevant work experience as a senior level engineer for enterprise wide applications and systems with strong documentation and training skills. Experience supporting Windows Server 2000 and 2003 in a large-scale LAN environment and knowledge of enterprise e-mail concepts and architecture required. Experience creating course materials, handouts, audio-visual materials and conducting classroom training essential. Experience writing various forms of technical documentation; including procedures, process flow, technical overview among other forms of documentation required. Responsibilities include being a technical contributor and analyst for enterprise level projects and being backup technician for all account management related functions and for all Exchange/Outlook 3rd level support. Will be primary contributor to comprehensive documentation efforts within group, including but not limited to procedures, user-guides and system flow. Liaison to web developers for our group's web presence and future "end-user self-help pages", liaison to Help Desk for upcoming projects and / or maintenance efforts, communications to user community for any efforts or changes requiring end-user awareness and training. Technical trainer for the Laboratory community for all projects impacting user community. Information Technology

'Gathering of the Slides' Blues Concert, 1/26 With Kerry Kearney Band, Chris English, Pat Russo

The sixth annual "Gathering of the Slides," a blues concert featuring the Kerry Kearney Band, Chris English, and Pat Russo, will be held on Saturday, January 26 at 7:30 p.m. in Berkner Hall. Sponsored by the BNL Music Club, the concert is open to the public. Tickets are available at the BERA Store or through www.ticketweb.com, at \$15 in advance or \$20 at the door. All visitors to the Lab age 16 and over must bring a photo I.D.

The Kerry Kearney Band, back for a sixth year at BNL, plays a unique style of Blues-Roots-Delta music, with a completely original sound tagged as "Psychedelta." The band, which features Kearney on guitar (see photo), Eileen Murphy on percussion, Frank Celenza on bass, and Tony Campo on keyboard, has toured nationally and internationally. They perform in local venues including B.B. King's, Dinosaur BBQ, and Terra Blues in New York City. In 2007, the band celebrated 10 years of accomplishments in music. Kearney's music is currently receiving airplay on blues radio stations nationally.

Singer-songwriter Chris English of Charlotte, North Caro-



lina, plays electric, acoustic and bass guitar, banjo, piano, trumpet, and drums. His latest album and first solo recording, *Alpha and Amigo*, features a variety of musical styles and arrangements.

Pat Russo, a 16-year-old from Long Island, started playing guitar at age five. He straps on a new American Custom Shop Fender Stratocaster, a vintage 1979 Gibson Les Paul, and a Gibson ES-335 DOT R Ibanez GAX 70 tuned to open "D" for slide. He has performed with the C&B Blues Band at the 2004 Riverhead Music Festival and with The Groove Kings of Long Island.

Division. Send resume to morales@bnl.gov referring to Position No. RM 4720.

TECHNOLOGY ANALYST (I-4) (Term appointment) - Requires a bachelor's degree or equivalent experience preferably in computer science or related discipline and minimum of one year of telecommunications operations experience. Responsibilities include full range of administrative support for core Telecommunications technology platforms & services including but not limited to: administration of BNL contractual Cellular Service agreements & internal cost allocation for equipment and usage plans; tracking & processing internal "Move, Add & Change" Service Ticket activity updates accurately to multiple application databases; data entry and verification of Call Accounting billing records; data entry and verification of Interactive Voice Response (IVR) records; monitoring & replenishing equipment inventories to include PBX hardware, station equipment and auxiliary components; processing customer requests for Calling Card service with DOE Headquarters & maintaining accurate records of ownership & responsibility; backup support to Video & Access Grid Teleconferencing services. Telecommunications Services/Information Technology Division. Send resume to sobrito@bnl.gov referring to Position No. NS 4721.

CUSTOMER SUPPORT ADMINISTRATOR (I-3) - Requires 1-2 years of experience working in computing support and good communication skills. Must have with experience in Linux-based environments and knowledge in Windows-based environments systems, to administer and maintain its computing infrastructure and peripherals (printers, network devices) set within an active research environment. Familiarity with some of common scripting languages required. Computer security knowledge and awareness desired. Must be a team player, self directed, organized, able to multi-task and keen at problem solving. Must be capable of tackling challenging issues, and providing feedback and solutions to problems. Responsibilities include being part of the first line of defense toward achieving security and data integrity while preserving and maintaining smooth operations within a very active research program environment. Experience supporting nuclear or high energy physics experiments or applications a plus. This position may involve weekend and off-hours shift work. Physics Department. Send resume to morales@bnl.gov referring to Position No. RM 4898.

DATA SERVICES ASSISTANT (CW-2) - Requires an AAS degree in Computer Science or closely related field or equivalent work experience. Candidate must be familiar with and written applications using Visual Basic, .NET, ADO, Visual FoxPro, Crystal Reports, Oracle and SQL Server. A basic understanding of Windows and Linux environments is required. Experience using electronic data interchange is required. Candidate must have excellent written and oral communication skills. Responsibilities will include data input and application development. Environmental and Waste Management Services Division. Send resume to morales@bnl.gov referring to Position No. RM 4261.

Motor Vehicles & Supplies

04 DODGE RAM 1500 SLT QUAD - load- ed, 18K mi. \$21,500/neg. 208-0309.
03 FORD TAURUS - 6cyl. 4dr. a/c, much more. 100K mi. \$5,500/neg. 834-9143.
02 NISSAN ALTIMA SE - 3.5, a/t, v6, all pwr, mint, 73K mi. \$9,399/neg. 447-0626.
00 SATURN LW2 - long body wagon, silver, needs work, b/o. 120K mi. Ext. 5537.
99 TOYOTA COROLLA-LE - a/t, a/c, dealer maint., 93K mi. \$5,200/neg. Ext. 4290.
98 TOYOTA COROLLA LE - 4 cyl., a/t, s/ roof, 141K mi. \$4,000/neg. 849-4960.
95 DODGE DAKOTA - 4wd, ext. cab 5.2l, new mtr/trany. 160K mi. \$4,000. 764-5196.
94 SAAB 900 - 4dr., a/c, a/t, p/s, p/w, s/ roof, etc. 170K mi. \$1,000/neg. 834-9143.
93 ISUZU TROOPER LS - a/t, 6cyl, 4wd, s/roof, 118K mi. \$2,200/neg. Ext. 4553.
WHEEL 2 WHEEL NERF BARS CHROME - fits 03-08 Dodge Ram 25K/35K Quad, 6'4" bed; 02-08 1500 Quad 6'4" bed, ask/\$400. Ext. 4905 or 404-8109.

Miscellaneous

ICE SKATES - wmn, size 8, Black Dragon, 9 2/3" blade, \$15; PhotoAlbum Frames, 4x6, for 72 photos, \$10. Ext. 7647.
SKIS - w/poles and boots, numerous sets, Chris, Ext. 2094 or 831-3469.

Yard & Garage Sales

CORAM - Moving, Garage Sale: Jan 12 & 13, 11a-6p, book shelves, cooker, TV, DVD, VCR, washer/drier etc. Wonho, 734-474-7694.
MOVING SALE - Q single bed w/headbrd., computer table, tv, dvd, dining table, microwave, 4 wooden chairs, more. Rajiv, Ext. 4648 or 775-6677.

Happenings

LATIN RHYTHMS - BNL's Yvette Malavet-Blum, sings "Songs of Love and Hope," about her life and heritage, backed by pianist Robert Boutcher and percussionist Brian Wishin. One show is at 2 p.m., Sun., Jan. 13, at Northport-E.Northport Library, 151 Laurel Ave, (631) 261-6930, free; also at Manhattan's Triad Theatre, 158 W. 72nd St., 5:30 p.m., Feb. 10, (212) 362-2590.
PROG ROCK SHOW - , today, 1/11 BNL fans enjoy "An Evening with Afterlife", H On The Harbor, Port Washington, www.Afterlife.com. Ext. 5537.
CHINESE NEW YEAR SPLENDOR - 15 shows at Radio City Music Hall, 1/30-2/9. World's largest live production w/real, trad Chinese culture: 5,000 yrs. in two memorable hrs. Show is in both Eng. & Chinese.

Wanted

APARTMENT - for 20 yr. old, Huntington area, up to \$900. Ext. 4340.
BNLERS - who graduated from Earl L. Vandermeulen - class of '68. 40th reunion is 7/26/08. Need help! Susan, Ext. 7647.
FEMALE ROOMMATE - to share two-bdrm. apt., Ridge, 5 min to Lab. Huan, Ext. 3829.

MORE ADS - The rest of the ads, and full versions of the Motor ads (shortened here to get more printed) are available in the Bulletin pdf version on the homepage, or the list can be sent: lseubert@bnl.gov, or call Ext. 2346 and leave your address.

Motor Vehicles & Supplies

04 DODGE RAM 1500 SLT QUAD - silver/blk cloth int, remote start/Alarm, Lojack, Pushbar w/matching side steps, Tow-pkg. Satrad, extw 18K mi. \$21,500/neg. Anthony, 208-0309.

03 FORD TAURUS - 6cyl. 4dr. a/c, am/fm/cd, abs a/t, c/cp/l p/s p/w, leather p/seat, sunroof. 100K mi. \$5,500/neg. Limseok, 834-9143.

02 NISSAN ALTIMA SE - 3.5, a/t, v6, p/s, p/b, p/w, pdl, am/fm/cd, mint cond., must see. 73K mi. \$9,399/neg. Kevin, 447-0626.

00 SATURN LW2 - long body station wagon, silver, needs work, b/o. 120K mi. Ext. 5537.

99 TOYOTA COROLLA-LE - a/t, a/c, ABS, p/l, p/s, c/c, cass/CD, v/gd/cond., dealer maint., all recds., new tires brake. 93K mi. \$5,200/neg. Ext. 4290.

98 TOYOTA CORROLA LE - blue, 4 cyl., a/t, pwr. w/l, sunroof, am/fm, cass/cd, gd. cond., orig. owner, well maint'd. 141K mi. \$4,000/neg. Ext. 3428 or 849-4960.

95 DODGE DAKOTA - slt, 4wd, ext. cab 5.2l, a/t p/w, p/l, a/c, cruise abs cloth, bed liner, new motor/trany w/receipts. 160K mi. \$4,000. Paul, 764-5196.

94 SAAB 900 - 4dr., a/c, a/t, p/s, p/w, am/fm, sunroof, etc. 170K mi. \$1,000/neg. Limseok, 834-9143.

94 ISUZU TROOPER LS - a/t, 6cyl, new shocks & batt., tires, reliable, 4wd, roof rack, sunroof, passed inspection, class IV 118K mi. \$2,200/neg. Ronald, Ext. 4553.

WHEEL 2 WHEEL NERF BARS CHROME - fits 03-08 Dodge Ram 25K/35K Quad, 6'4" bed; 02-08 1500 Quad 6'4" bed, sells new \$600, ask/\$400. Ext. 4905 or 404-8109.

Furnishings & Appliances

CHAIRS - four, wooden, w/steel legs, never used, 2 mo., \$20/ea., make offer for all 4; wooden dining table top w/4 chairs, \$100/neg. Rajiv, Ext. 4648.

CHEST - wood, painted yellow, excel. cond., about 16" w x 33" l, \$25. Diane, Ext. 2347.

ELECTRIC STOVE - Hotpt., elec. stove/oven, white, excel. cond., photos avail., \$130. Leo, Ext. 3103.

LOVESEAT&MATCHING CHAIR - green and mauve, gd. cond., \$300; wing chair, beige w/gold & green flecks, gd. cond., \$60. Susan, Ext. 7647.

MOVING SALE - Q single bed w/headbrd., computer table, tv, dvd, dining table, microwave, 4 wooden chairs. Rajiv, Ext. 4648 or 775-6677.

QUEEN BED W/BOX - mattress almost new w/iron stand bought from Sleepys, Kingdown Pillow-Top Plus Sense-Silver43. Rajiv, Ext. 4648.

WOODEN TWIN BED/MATTRESS - beautiful, headbrd, storage drawers, matching multipurpose table. Rajiv, Ext. 4648.

Audio, Video & Computers

COLOR PRINTER - Compaq IJ300, parallel port, w/a recent color cartridge, gd. cond., \$19. Ext. 3621.

IPOD - 60Gb video ipod w/clip and protective cover, gd. cond. \$150. Brandon, 399-3098.

PRINTER - portable, color, Canon BJC-85 w/software/cable, excel. cond., \$200. Ext. 3217.

TAPE DECK - dual cassette Onkio Ri, \$25. Chris, Ext. 2094 or 831-3469.

WIRELESS ROUTER - Trendnet TEW-432BRP, 802.11G, 54Mbps, new, \$20. Yugang, Ext. 3485.

YAMAHA SYNTHESIZER - Virtual Analog kybrd, model AN1x, great cond., in factory box, w/manual, \$400. Ext. 3621.

Sports, Hobbies & Pets

GO-PED - PhatBoy, gasoline pwr'd, belt driven, runs well. \$150/obo. Brandon, 399-3098.

GOLF CLUBS - 2 sets, w/bags, \$25/ea. chris, Ext. 2094 or 831-3469.

SKIS - w/poles and boots, numerous sets, call for details. chris, Ext. 2094 or 831-3469.

Tools, House & Garden

CAR RAMPS - standard duty, \$25. chris, Ext. 2094 or 831-3469.

Miscellaneous

ICE SKATES - woman, size 8, Black Dragon, 9 2/3" blade, \$15; PhotoAlbum Frames, 4x6, holds 72 photos, \$10. Richard, Ext. 7647.

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BNLERS - who graduated from Earl L. Vandermeulen - class of '68. 40th reunion coming up 7/26/08. Need help! Susan, Ext. 7647.

FEMALE ROOMMATE - to share 1 two-bdrm. apt. at Ridge, 5 min to the lab. Huan, Ext. 3829.

Lost & Found

GLASSES - found outside Berkner Hall on Mon., Dec. 31st. Susan, Ext. 7795.

For Rent

CORAM - 1 MONTH FREE!(deposit) 2b ed, 2bath, 1living, 1garage, laundry room, patio, heat & gas included Available: Feb 1, ~July 31 Take over after 6month is fine. \$1,550/mo. Wonho, 734-474-7694.

FARMINGVILLE - bdrm. in lg house, full kit., l/r, d/r, share bath w/2, cable, wifi, phone, elec incl. \$425/mo. Ben, 513-8275.

RIDGE - Cottage, all new 1 bdrm., full kit., bath, l/r w/sep. drway/yd., no smkg/pets, 5 min. to BNL, incl. all util. \$1,200/mo. Brian, 516-818-7388.

RIDGE - new 1 bdrm. apt, kit., l/r, full bath, pri. ent., no smkg/pets, v/clean, 5 min. to lab, incl. all. \$1,100/mo. Rex/Laurie, 924-0027.

ROCKY POINT - mint 2/bdrm house on quiet st., walk to priv. beach, w/d, l/r, d/r, 1 bth, lg. shed, lawn maint., avail. 3/1. \$1,350/mo. Ext. 5372 or 917-335-1479.

SAYVILLE - lg 1 bdrm f/p in l/r, nice kit. and new bath, a/c on grd. flr. + elect. \$1,050/mo. Phyllis, 256-6353.

WADING RIVER - 4 bdrm, 2 bath house, possible mother/daughter, new carpet/paint, priv. beach, full bsmt, w/d, SWRSD, 10 min to Lab \$2,000/mo. John, Ext. 4028 or 821 5334.

For Sale

BELLPORT - 4-BR. ranch, 2 bth, l/r w/dble opening fp to den, d/r, eik, oak flrs, screened deck, laundry rm, fin. bsmt: w/4th BR, bar, full bth, 2 rms; gar., 2 sheds, sprinklers, gt. cond. 15 min. to Lab. \$415,000; 949-7797.

BLUE POINT, NY - Colonial, 4 bdrm. or potential Mother/Daughter, 2 bath, l/r, d/r, den, kit., bsmt./crawl space, porch, 1.5 car gar., fen'd yd, low taxes. \$349,000/neg. John, Ext. 5025 or 730-1165.

FARMINGVILLE, NY - custom ranch 3 br, 2 bath, 2.5 gar. cac, alarm, igp, igs dead end st. FSBO.COM Listing#101489 for more details/photos \$459,900/neg. Carol, 516-906-3348.

RIDGE - Just over 1 acre, opp. land protected by county, bldg. permits all in place, 5 min. to Lab. \$255,000/neg. 286-2594.

RIVERHEAD, NY - Mobile home in 55 and older comm., 2 bdrm., eik, l/r, 1 bath, fully furn., new roof w/warr. \$18,000/neg. 588-3525.

SHOREHAM, NY - Middlecross Estates, 4 bdrm., 2.5 bath Col., frml l/r and d/r, den w/tp, lg. kit. w/dinette, 2 car gar., fin. bsmt., igs, SWRSD, much more \$559,000/neg. Don, Ext. 2253 or 821-3320.

WADING RIVER, NY - 2153 W.R. Manor Rd., 8-room. Carrera-built Colonial, 4 bdrm., 2 full baths, 1 half bath, full bsmt., gar., SWR schools, 90x165' prop. \$499,000/neg. 929-6074.

PORT ST LUCIE, FL - 4 bdrm 2 bths l/r, d/r, den, and ki., all tile igp w/ enclosure exterior, freshly painted needs some tile \$175,000/neg. eva, 772-878-7500.