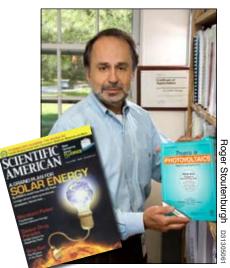




February 1, 2008

Scientific American Reports on Solar Grand Plan That Could Supply Majority of U.S. Energy Needs by 2050



n the January issue of Scientif-*Lic American*, Vasilis Fthenakis, a BNL senior scientist, coauthored the cover story proposing an ambitious plan to free the U.S. from dependence on fossil fuels through a massive switch to solar power.

In "A Solar Grand Plan," Fthenakis and his collaborators Ken Zweibel of PrimeStar Solar (previously with the National Renewable Energy Laboratory), and James Mason of the Hydrogen Research Institute, argue that by 2050, solar energy

could supply 69 percent of the country's electricity and 35 percent of its total energy needs.

"Solar energy's potential is off the chart," Fthenakis said. "On an annual basis, the energy in sunlight striking the earth is 10,000 times greater than global energy consumption."

The plan calls for a vast area of photovoltaic systems to be built in the Southwest, along with large solar concentrator power plants. Excess daytime energy would be stored as compressed air in underground caverns to be tapped during nighttime hours. A new directcurrent power transmission backbone would deliver solar electricity across the country.

"The technologies are established, needing only incremental improvements," Fthenakis said. "The efficiency of photovoltaics and the cost of producing them are constantly improving as a direct effect of support given by the Department of Energy's Office of Energy Efficiency & Renewable Energy to research and development and to industry." In the article, the authors also suggest that if wind, biomass and

geothermal sources were also developed, renewable energy could provide 100 percent of the nation's electricity and 90 percent of its energy by 2100.

"If new, third generation photovoltaics and new storage systems — enabled, for example, by nanotechnology, one of the Department of Energy's major initiatives, are developed in the future, then the Solar Grand Plan we propose will be even easier and cheaper to implement," added Fthenakis. "However, the good news is that we do not have to wait for new technologies, we can start a massive switch to solar right now."

The cost of producing photovoltaic cells and modules has dropped significantly in recent years, making vast photovoltaic farms in the desert southwest possible. Photovoltaic plants require no water, and environmental concerns are expected to be minimal. Compressed-air energy storage, another established technology, will allow excess power produced during sunny hours to be stored for use during dark hours.

(continued on page 2)

Suffolk Legislator Stern Gives Update **On County-Wide Senior Citizen Task Force Issues**

Sponsored by the Brookhaven Retired Employees Association (BREA), Suffolk County Legislator Steven Stern, Chair of the Veterans and Seniors Committee, visited BNL on January 17, to give an update on the progress of Suffolk's County-Wide Senior Citizen Task Force that he has established. The Task Force, which involves all ten county townships, has been gathering data and is now exploring ideas for solutions to issues important to seniors, such as affordable housing, accessible transportation, and health care.

Ideas being investigated include better ways to bring services to seniors in their own homes, which is less costly and preferable to moving the seniors to long-term care facilities. Improving the network of public transportation, especially between towns, is another important goal. Homehealth care could be easier to obtain if more personnel were available: creative ways are being considered to encourage more home-health aides to get trained and qualified, and their time more efficiently shared among the seniors they visit.

Suffolk's plans to use county-owned land for affordable housing, for seniors and also for young people, was another topic discussed. Stern explained that Suffolk has a strong open space



Suffolk County Legislator Steven Stern (right) is welcomed by Myron Strongin of the Brookhaven Retired Employees Association.

policy and that the hope is to strike a balance between needed affordable housing and equally important open space. Stern also announced that a veterans' facility would be opening in Riverhead in a matter of months, so that veterans from the East End of the county would not have to travel so far for health care. — Liz Seubert

All-Hands Meeting

Thursday, February 7, 10:30 a.m., Berkner Hall

Lab Director Sam Aronson invites all employees to attend an all-hands meeting in which he will provide a budget update and also discuss the status of ongoing science, construction, and operations.

Four BNL Scientists Named AAAS Fellows

Peter D. Johnson

Peter D. Johnson (right) was recognized for "outstanding contribu-

tions to our understanding of the

electronic structure and associ-

condensed matter systems."

ated dynamics of two-dimensional

 $F_{\rm low}$ BNL scientists have been awarded the distinction of Fellow by the American Association for the Advancement of Science (AAAS). Ilan Ben-Zvi, Peter D. Johnson, John Shanklin and F. William Studier will be among 471 AAAS members to receive this honor for their efforts toward advancing science applications that are deemed scientifically or socially distinguished. The new Fellows will be presented with their official certificate and rosette pin on Saturday, February 16, during the 2008 AAAS Annual Meeting in Boston.

The citations for the four new Fellows appear with their photos below. For more information on their outstanding contributions and experience at BNL, see www.bnl.gov/bnlweb/pubaf/ - Diane Greenberg pr/PR_display.asp?prID=07-113.

llan Ben-Zvi

Ilan Ben-Zvi (left) was cited for "distinguished scientific and technical contributions to the field of accelerator physics and service to the physics community."



John Shanklin

John Shanklin (left) was cited for "outstanding research contributions that have opened the way toward using crop plants to produce new types of oils and chemical feedstocks."



Atmospheric Measuring Device Invented For Better Understanding of Smog Formation Quantitative assessment could lead to more effective smog-control strategies

tephen Springston of the Environmental Sci-Jences Department and BNL guest scientist Judy Lloyd of the State University of New York at Old Westbury have developed a new tool for measuring hydroperoxyl radical - one of the many atmospheric chemicals that play a key role in the formation of photochemical smog. With this measurement, scientists can make calculations that will help them understand how smog forms. Various groups have developed other detectors for similar purposes, but the new device is comparatively small, lightweight, and inexpensive. It also has low power requirements, සු and gives a sensitive, fast response.

"This device will make it easier to collect more data, giving a better picture of the various $\overset{\circ}{\sigma}$ chemical pathways leading to smog formation," said Springston. "Understanding the relative importance of these pathways can help you tailor

Inventors Judy Lloyd and Stephen Springston

F. William Studier (right) was cited for "distinguished contributions to the field of molecular genetics, particularly for work on bacteriophage T7 genetics and DNA conformations and interactions."

F. William Studier

mitigation strategies. For example, are you better off spending money to reduce hydrocarbon emissions or nitrogen oxide emissions?"

"Our measurements will help predict which strategy would be most successful for a particular set of atmospheric conditions - and make modifications to the strategy as those conditions change," said Lloyd.

This work was funded by the Office of Biological & Environmental Research within DOE's Office of Science and by the National Science Foundation. The two inventors have been issued a U.S. patent for their apparatus, which is available for licensing.

For more information on the new device, go to www.bnl.gov/bnlweb/pubaf/pr/PR_display. asp?prID=07-114 . For licensing information, contact Dorene Price, (631) 344-4153, price@bnl.gov. - Karen McNulty Walsh

The Bulletin

In Memoriam, Herbert Kouts

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, 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/toastmstrs/

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 Herbert Kouts, who joined first head of the new Technical Support Organization at BNL,

retired as a senior physicist on October 24, 1989, died at age 88 on January 7, 2008.

The longterm value of Kouts's of Kouts's of Kouts's of a chievements was precognized in 2005 with the 2005 with the 2005 with the clear Society's of (ANS) George C. Laurence

Award for "his pioneering contributions to advancing nuclear safety and his remarkable career of leadership in initiating, guiding and executing national and international programs of great and lasting importance."

Kouts received a B.S. in mathematics in 1941 at Louisiana State University, and, after service in the U.S. Air Force 1942-45, a Louisiana State M.S. in physics in 1946. He earned his Ph.D. in physics from Princeton University in 1952.

At BNL, Kouts's first position was as an associate physicist heading the Reactor Shielding Group at the Brookhaven Graphite Research Reactor, which operated until 1968. In 1952, he became head of the Experimental Reactor Physics Group, then headed the Reactor Physics Division in 1956. He received tenure in 1957.

In 1963, Kouts won the E.O. Lawrence Award from the Atomic Energy Commission (AEC), an agency that evolved into DOE. He was cited "For the development of new experimental techniques in reactor physics and their applications to a better understanding of theoretical models of chain-reacting systems."

Kouts was one of the five co-inventors of the High Flux Beam Reactor (HFBR), in operation from 1965 to 1999. In 1988, the ANS cited experiments at the HFBR in which "the data obtained have played a central role in the development and understanding of solutions to many problems in solid state physics, chemistry, and structural biology."

In 1968, Kouts became the

Support Organization at BNL, which was established to advise and

assist the AEC on nuclear safeguards. Five years later, in 1973, he became the AEC Director of the Division of Reactor Safety Research. Then, in 1975, he became Director of the Office of Nu-

clear Regulatory Research for the newly formed Nuclear Regulatory Commission (NRC). He was honored with the Distinguished Service Award from the AEC in 1975 and from the NRC in 1976.

Kouts returned to BNL in 1976 as Head of the International Safeguards Project Office, being named Chair of the Department of Nuclear Energy in 1977. He became a member of the International Nuclear Safety Advisory Group of the International Atomic Energy Agency (IAEA) in 1985, and, following the Chernobyl nuclear reactor accident in April 1986, he co-authored the IAEA's report on Chernobyl.

In 1988, Kouts stepped down as department Chair, continuing at BNL as a senior physicist. Retiring a year later, he was named Presidential appointee to the Defense Nuclear Facility Safety (DFNS) Board, an agency that oversees the nuclear safety at DOE defense facilities. He remained there until 1997, then became a consultant until 2000. As Newsday quotes DFNS Chair A.J. Eggenberger, "Kouts had a tremendous influence in nuclear safety matters, essentially through the life of the industry until now."

A resident of Bellport, Herbert Kouts is survived by his wife Barbara, daughters Catherine Sigmon and Anne Golden, stepsons Francis Spitzer, Michael Spitzer, and Daniel Spitzer, and nine grandchildren. If donations are sent, the family would appreciate gifts to Planned Parenthood or a Martin Luther King Jr. scholarship fund.

— Liz Seubert

Respectful Workplace For All BNLers

A workplace that is conducive to scientific excellence is one in Awhich there is mutual respect for all contributors. The atmosphere of mutual respect enables coworkers to share many ideas and successes, and is crucial to the Lab's mission. An updated BNL Respectful Workplace Policy, endorsed by the Lab's Policy Council, documents the fundamental expectation of how all individuals at BNL should interact with each other.

Respectful Workplace Policy:

BNL is committed to providing a work environment that promotes learning, research, and productivity through working relationships based on courtesy, civility and respectful communication. This commitment calls for a workplace where the following beliefs are upheld:

- 1. All employees at BNL, without exception, have an important contribution to make toward the overall success of the Laboratory's mission.
- 2. The Laboratory's mission is best carried out in an atmosphere where employees at all levels value each other and treat each other with respect, even in urgent and high pressure situations.
- 3. Managers, supervisors and others in positions of authority should behave as role models in promoting such an atmosphere, while continuing to hold employees accountable for effective performance.
- 4. All employees should be able to discuss issues of concern without fear that those discussions will result in retaliation from any other employee or manager.

"Everyone in the Lab community should demonstrate common courtesy and civility and expect to be treated the same way in return," said Lab Director Sam Aronson. "I encourage anyone who feels that they are not being treated in accordance with the terms of this policy to bring their concerns to the attention of their line managers."

Random Acts of Kindness

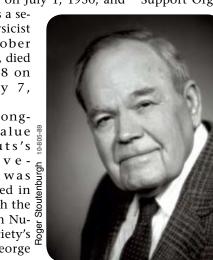
This article is written by Nancy Losinno, Employee Assistance Program (EAP) Manager.

In the course of my job as EAP Manager, the most common problem I experience with those who come to EAP is that they are having a conflict. In many cases, it is a problem with someone on the job, those people we live with every day for eight or more hours: our coworkers, supervisors and managers. Our "job family" can be a potent support system, or conversely, a constant drain of energy or source of negative emotions. Especially at BNL, where people may have worked side-by-side with the same coworkers for many years, a dysfunctional work relationship can be just as damaging to morale as a bad marriage. Sometimes it is difficult to look at a bad situation in a different way because people can be resistant to change, preferring to see the situation through the same "emotional lens."

In an interesting book titled *Feeling Good*, David Burns, Ph.D., identifies at least ten ways in which a person can cognitively distort his or her perception of a problem. The initial perception includes assumptions, hypotheses, conclusions, as well as how you use your memory. In a problematic relationship, whether at work or at home, if you never bother to check your perceptions using more flexible thinking, you may keep having the same predictable outcome in your interpersonal transactions. In many cases, a situation can be helped by your choosing to look beyond the obvious, to less obvious causes of perceived negative behavior.

Why be kind to someone who irks you? It is good mental health to not hand over your peace of mind to someone else, and it is a good practice to try to flip a troubled situation into something more benign. As a start, during Random Acts of Kindness Week, February 11-17, you can participate by doing any, or all, of the following:

- Offer to help a coworker who is overloaded
- Get to know the new person in the department
- Show your approxision to others



Thursdays: Reiki Healing Class Noon-1 p.m., Call for location. Nicole

Noon-1 p.m., Call for location. Nicole Bernholc, 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

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 CIG-NA'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.

Solar Grand Plan

Another technology being eyed is concentrated solar power, in which long, metallic mirrors focus sunlight onto a pipe filled with fluid. The hot fluid would pass through a heat exchanger and produce steam to turn a turbine.

"Concentrated solar power and photovoltaics represent two different technology paths," Fthenakis said. "Neither is fully developed, so our plan brings them both to large-scale deployment by 2020, giving them time to mature."

The plan calls for government investment of more than \$400 billion over the next 40 years, but the plan would effectively eliminate all imported oil, cutting U.S. trade deficits. The plan would also drastically reduce greenhouse gases because solar technolo(cont'd)

gies are almost pollution-free. The team of scientists hopes that the discussion generated by the *Scientific American* article will make more people aware of the enormous potential of solar energy.

As they state in the article, "The greatest obstacle to implementing a renewable U.S. energy system is not technology or money. It is the lack of public awareness." – Kay Cordtz Note: DOE's Solar America Initiative has set goals for making solar energy cost-competitive with conventional forms of electricity by 2015. Vasilis Fthenakis, who heads the National Photovoltaic Environmental Research Center at BNL, is funded by DOE to help industry meet these goals while they are maintaining safe and environmentally friendly facilities and products.

- Show your appreciation to others
- Participate in the Blood Drive on 2/14
- Refrain from negative or hostile remarks
- Take food to a soup kitchen or homeless shelter. No act is too small. Let the change begin with you.

BERA Board Nomination Committee

The BERA Executive Board has appointed a nomination committee of active BERA participants to select a slate of eight candidates to run for the 2008 BERA Board elections scheduled for the last week in March.

Any employee, facility user, visitor or guest is encouraged to nominate a candidate by contacting one of the committee members listed below before Friday, February 22. Make certain that the person being proposed will agree to accept the nomination if selected by the committee.

Nomination committee members are: Susan Carlsen, carlsen@ bnl.gov, Ext. 7647; Jill Clough-Johnston, clough@bnl.gov, Ext. 3173; Kay Conkling, kayc@bnl.gov, Ext. 4501; Ray Dumont, rdumont@bnl.gov, Ext. 4263; Betty Elder, belder@bnl.gov, Ext. 3562; Maureen Fazzio, Fazzio@bnl.gov, Ext. 5179; Elliott Levitt, levitt1@bnl.gov, Ext. 2495; John McCaffrey, mccaffrey@bnl.gov, Ext. 2075; Barbara Moebes, moebes@bnl.gov, Ext. 7159; Andy Seelin, seelin@bnl.gov, Ext. 3024; and Marie Van Buren, vanburen@bnl. gov, Ext. 4727.



Ticole Jenkins joined the BNL Police Group in Nicole Jenkins joince are an into take a job at Brookhaven Lab, Jenkins said she had heard from friends and relatives who work at the Lab that BNL is one of the best employers on Long Island with a top-notch police force.

"I knew I had something to offer the Lab's police force - my enthusiasm and my sense of responsibility," she said.

Jenkins, who said she has worked hard to excel at her training, is impressed by the Lab's training requirements, which she feels will help her to become one of those top-notch officers. "I have already learned so much, and I already love this job," she said.

Jenkins holds a degree in criminal justice from C.W. Post College and worked for Computer Associates and a private security company before joining the Lab.

In January, Jenkins completed the Lab's mandated specific training requirements under the direction of Police Captain David Peter. You will see her around the site when she works her regular shift, 3-11 p.m. - Jane Koropsak

TIAA-CREF One-on-One **Retirement Counseling**

A TIAA-CREF consultant will visit BNL on Monday and Wednesday, February 11 and 13, to answer employees' questions about their financial matters. The consultant will help you: understand the importance of protecting your assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Suzanne Leone, (866) 842-2053, Ext. 4601.

BERA Trips, More — Check BERA Store

Valentine's Day, Thursday, 2/14. The BERA Store in Berkner Hall, Ext. 3347, will carry some fresh flower bouquets, chocolate heart lollipops, and Valentine cards. Also, pay for trips such as:

International Art Show, Javits Center, NYC, Sun., 3/2, dep. BNL 9:30 a.m., dep. NYC, 5 p.m. \$20. Immense variety of art and sculpture by artists from all over the world.

Philadelphia Flower Show, Sun., 3/9, dep. BNL 6 a.m., dep. Philly 5 p.m. \$30. Nearby attractions: farm food, books, gadgets, gifts, at the Terminal Market; history at the Liberty Bell; more.

Ringling Brothers & Barnum & Bailey, Sat. 3/29. 11 a.m. show, Madison Square Gardens, Sect. 108/109. \$36. Dep. BNL 9 a.m.

Daffodil Days — Ten/Ten/Ten to Fight Cancer

BERA will sell ten daffodils for \$10 to benefit research by the American Cancer Society. Order at the BERA Store, weekdays, 9 a.m. - 3 p.m. Pick up your fresh-cut bunch during the week of March 10.

Pick a Summer Student

Student applications for the summer 2008 undergraduate science internship programs sponsored by DOE's Office of Workforce Development for Teachers & Scientists are available now on electronic database. These programs include the Summer Undergraduate Laboratory Internship (SULI), the Community College Internship (CCI), and the Pre-Service Teacher program (PST).

Contact Kathy Gurski, Office of Educational Programs (OEP), Ext. 4503 or gurski@bnl.gov, for the database address and passwords. Selections for the first round of choices must be submitted by 2/28. Students will be here for ten weeks, June 9 to August 15. Stipends, housing, and travel are funded through OEP with a \$1,000 cost share requested from the hosting department. See also www.bnl.gov/education/.

Adult Swimming Classes Start, 3/5

On Wednesdays, from March 5 to April 23, eight weeks of adult swimming classes will be offered at the BNL pool, 5:30-6:30 p.m. The classes are open to all employees, Lab visitors and guests, facility users, retirees, and their immediate family members who are at least 17 years of age. American Red Cross certificates will be awarded to those adults who qualify. The cost of the course is \$80 per person, which includes the charge for pool entry and instruction. No make-up classes will be given.

To register, mail your name, BNL Life or Guest number, Lab Bldg., and Lab and home phone numbers, with a check for \$80 payable to BERA, to the Recreation Office, Bldg. 400, by February 22. For more information, call Lifeguard Sue Dwyer, 344-3496 (10 a.m.-2 p.m. or 4:30-8:30 p.m.), or the Recreation Office, 344-2873.

(cont'd)

poss m/dghter, 2 kit., w/d, w/w, priv. each, new paint, SWRSD, 10 min to Lab. \$2,000/mo. John, Ext. 4028 or 821-5334. YAPHANK - 2 bdrm., 2 bath, 5 min to BNL, w/d, bsmt, just painted, lawn care & snow removal, flex move in, pool, playgrds.,

CALENDAR - THIS WEEKEND -

Saturday, 2/2

Groundhog Day If your friendly neighborhood groundhog ventures out



from hibernation on 2/2, midway between Winter and Spring, and sees his shadow, tradition has it that the weather will be cold for another six weeks. If it's cloudy, rejoice! The heat bill should dip!

— WEEK OF 2/4 —

Thursday, 2/7

*All Hands Meeting

10:30 a.m. Berkner Hall. Lab Director Sam Aronson invites all employees to attend an allhands meeting. See p. 1.

Verizon Wireless Services

11 a.m.-2 p.m. Berkner Hall lobby. A Verizon Wireless representative will explain discounts for BNL employees, 15% on monthly service, 25% on accessories. Éxisting customers may apply for discounts at www.verizon wireless.com/getdiscounts. Con-tact Mavi Baig, 917-881-2748.

— WEEK OF 2/11 —

Tuesday, 2/12

BSA Noon Recital

Noon. Berkner Hall. Stony Brook Opera. All are welcome to this free recital, sponsored by BSA, Visitors to the Labof 16 and old-er must carry a photo ID.

- WEEK OF 2/18 -

Monday, 2/18

Presidents' Day, Lab Will Be Closed The Lab will be closed in honor of Presidents' Day. No Bulletin will be printed this week.

Tuesday, 2/19

Elder Law Talk: Medicaid Eligibility Noon-1 p.m. Berkner Hall, Room B. The Lab community is invited to this free lecture to be given by Nancy Burner, Elder Law Attorney from Burner, Cherches & Smith law firm. Register by contacting Michael Thorn, mthorn@ bnl.gov or Ext. 8612.

Wednesday, 2/20 433rd Brookhaven Lecture

p.m. Berkner Hall. Jason 4 Graetz, Energy Sciences & Technology Department, will give the 433rd Brookhaven Lecture, on new approaches to hydrogen storage. All are wel-come to this free talk, open to the public. Visitors to the Lab must carry a photo ID.

— WEEK OF 2/25 —

Thursday, 2/28

Goldhaber Fellow Symposium 1:30 p.m. Hamilton Seminar Room, Bldg. 555. All are invited.

Sunday, 3/2

w/tags, 0-1 yr., v/reasonable. 513-8504. PIANO - Upright, old but in gd cond. w/ bench, \$100/b/o, u pick up. 325-0928. PURE BRED MINI DASCHUNDS - 2 males, 1 female, dapple and brindle colors. Pups avail. in 3-5 weeks. \$650/ea. 289-5319. RV PARTS - h/w heater 6 gal., \$75; RV cooktop \$50; 11' Awning \$100; Coleman roof top a/c 13,500 Btu, \$75. 404-8109.

Happenings

DINNER/SHOW OUTING - June 14, Sight n sound Theatre in Strasburg, PA, to see Plenty. Kim, Ext. 7465 or 399-3098.

LOST 2 EARRINGS - dangle-swirl gold earring, sapphire w/diamond earring, lost LOST A NECKLACE ON SITE - It is made of gold, pearl, & jade. Looking since 11/07. Will pay \$50 for thanks. Iris, Ext. 7697.

For Rent

BELLPORT - studio apt; all util., cable, wireless int. incl., sep. t/stat, pvt. ent., prkg., new carpet & paint. \$800/mo. 803-0958.

BROOKHAVEN HAMLET - furn. rm., 9 mi. to Lab, cable TV, int., cac, w/d, use of house, kit., util incl. \$480/mo. 286-4028. C. MORICHES - wtrfront, 85' bulkhead, 2 bdrm. house, 2 car gar., .5 acre, no pets, credit check, util. incl. \$1,800/mo. 487-4201.

SHOREHAM - 1 lg bdrm, office, fully carpeted I/r, kit., full bath, cable, Iternet access, pvt. ent., no smkg./pets, 8 mi. to BNL. \$1,200/mo. 445-7838.

SHOREHAM - Share house w/professional, part furn. bdrms., 7 mi. to BNL, int/ tv incl., no smkg/pets, single preferred. \$625/mo. Ext. 3785.

WADING RIVER - 4 bdrm, 2 bath, house fam. n'borhd \$1,495/mo. 872-6325.

For Sale

Classified Advertisements

Sports, Hobbies & Pets

BIKE - new bal. stationary recombent, used once, purchased 7/07, injury prohibits use, pd/\$500, ask/\$350. 909-2747. COMMERCIAL LIFECYCLE - computerized bicycle w/ programs, great cond., \$325. 645-6131.

FOR ADOPTION - due to a move, homes needed for my dogs: 2 cocker spaniels, Pomeranian & 2 chihuahuas. Info/pics call. Michael, Ext. 7472 or 790-6606.

NINTENDO DS, GAMES - Nintendo Ds like new, Games: Pokeman Ranger, Pokeman Pearl, Mystery Dungeon. Good price. Rakhi, Ext. 2770 or 631-603-5158. WEIGHT SET - incl. bench, 1 long, 2 short bars and set of free weights. \$70. Don, NEWBORN CLOTHES - boys' brand new

"Abraham and Sarah". Dinner@Good N FUN IN THE CITY - Yvette Sings Latin Rhythms at The Triad Theater 5:30 pm, \$12 at door, 2 drk min, call to reserve. Yvette, Ext. 5591.

on site. Mary Lynn, Ext. 7796.

Ext. 2253 or 821-3320.

WEIGHT SET - bench press, pole, 2 short poles, free weights, ask/\$70. 821-3320. YAHAMA PS 175 ELEC. KEYBOARD - 61 full-sz touch-sensitive keys, 100 instrum., voices, styles, songs w/DJ voices, \$100. Francine, Ext. 3381 or 744-4061.

Tools, House & Garden

BENCH VISE - Craftsmn, 4 1/2", reversible jaw, gd. cond., no.61886, \$60. Ext. 7647. RADIAL SAW - Craftsman 10-in. radial arm saw, \$30. Shane, 345-0063.

WELDER/GENERATOR - Lincoln DC255, 2 cyl Onan gas motor, mntd on trailer w/18' leads, works well, \$650. Ext. 7460.

Miscellaneous

ART - for your walls, painting w/a lot of passion behind them. 344-4034.

BABY CLOTHES - boy's newborn-1 yr. old w/tags, v/reasonable. 513-8504.

BABY ITEMS - EvenFlo Supersaucer gently used, \$35; Leap Frog Learning Table like new, \$25; Graco Walker \$20. 219-5081.

BRACELETS - detachable, for diabetic I.D. tag. custom made., proceeds go to JDF. call for info. Diana. Ext. 5123. ELIZABETH TAYLOR DOLL - SE 2000 Mattel White Diamonds w/violet eyes/ chiffon gown, boxed, \$35. 395-6784 HAMPTON INN POOL & EXERCISE - 1 yr. full membership, for 2 people, incl. pool & exercise equip., b/o. Yvette, Ext. 5591.

MCGUIRES COMEDY CLUB - Fundraiser for 10 Little League trip to Cooperstown. Feb 15, 7-11pm dinner & Show \$40/ea. Bohemia. David, Ext. 7870.

Free

ORGAN - Wurlitzer elect. console w/ matching bench, model 2700, not working. Ext. 2050.

PACKAGING MATERIALS - including cardboard boxes and wrapping paper for delicate objects. Andy Ext. 7103.

Wanted

1979 OR 1980 Z-28 - Want a 1979 or 1980 Z-28 daily driver, no T-top, for a reasonable price. Not a showcar, just a driver. Joseph, 631-902-8655.

SEASONED FIREWOOD - Only need app 1/2 cord to get through rest of season, will pick up and pay reasonable price. Tiffany, Ext. 4716.

TOYS FOR INFANTS - any infant toys: bouncer, mobile, playyard etc Eunmi, Ext. 7614.

WANTED - 1979 or 1980 Z-28 Camaro, daily driver for a reasonable price. Joseph, 902-8655.

Lost & Found

FOUND - pair of glasses, in tinshop, brown Aearo plastic frames. John Berry, Ext. 4414 or 872-8982.

CORAM - 2 mo. free, 2 bdrm, 2 bath, gar., 2/1-7/31, take over after 6 mo. if possible,. \$1,550/mo. 734-474-7694.

JUNO BEACH, FL - fully furn, condo in steps from ocean beach, gr flr. handicap access, 2 bdrm.,2 bath, nr shaded lake walk, children's park \$2,400/mo./neg. Ext. 3297.

LAKE PANAMOKA - house, blt '06, 3 bdrm, 2 bath, f/p, a/c, w/d, waterview, beach rights, backs up into state land, plus util., by owners, pics avail. \$1,800/mo. 516-480-4529. MANOR PARK/MASTIC - Irg 1st flr 2bdrm, l/r,eik, priv ent, Eastport S. Manor schools, nr Lab, Dowling Coll, shoppg, ocean. \$1.350/mo. Donald. Ext. 5154 or 772-5665.

MIDDLE ISLAND - spac. 1 bdrm. or compact 2 bdrm. w/patio, laundry & fitness center in complex. Sublet avail. Mar. 15 - Oct. 1 w/opt to renew lease. \$1,300/mo. Ext. 4963.

MT. SINAI - share house, furn. rm. in house on quiet acre. kit., I/r, TV, util. incl. single pref, start any time. \$750/mo. 928 7446. PORT JEFF STATION - Mint 3BR, 1FB, new sitdown kitch, Ige LR, priv. entr & pkg., gd neighborhood, nr schools & shopping. \$1,850/mo. inc. all. 484-7439.

ROCKY POINT - 1 b/r bsmt. apt. new shower/bath/tile/carpet, use of pool/yd., incl. util/cable/int., off st. prkg., pvt. ent. leave msg. \$900/mo. Marion, 744-2427. ROCKY POINT - min. from BNL, 2 bdrm, LR, DR, new kitch, w/d, dw, 2 sheds, lg. fenced yard, quiet, beach rights, n/s, rent plus utilities. \$1,300/mo. Sue, Ext. 4931.

BoYNTON BCH., FL - Sun Valley East, 55+ condo, 2nd flr., pvt. ent., 2/2+ den, 1800 sf, club house, tennis, pool. \$184,900 561-495-0187.

BINGHAMTON, NY - 35 acres, Broome county 15 min n. of B'ton, 1700,' borders state forest, hunt, fish, snowmob, trout strm runs through it. pro \$59,000, 559-1413. CALVERTON - 55+ ranch 3 bdrm, 2 bath. I/r d/r. eik. a/c. shed. wraparound deck. v. gd. cond., over 1,300 sq. ft, \$229,000/ neg. James, Ext. 3277 or 369-6026.

MEDFORD - 3bdrm, 2bth, l/r, d/r, cust. eik w/granite ct, office, + 1 bdrm apt. w/priv. ent. 1/3 ac, fenced, igs. 15 min to Lab. \$385,000/neg. Ext. 6047 or 294-3858.

SELDEN - 4 bdrm., 3 bath, Colonial, formal d/r, lg. den, w/fp, 2 car gar., bsmt, hot tub, cac, igs, appli., new roof/oil tank \$429,000. 698-0057.

SHOREHAM - Middlecross Estates, 4 bdrm., 2.5 bath Col., I/r & d/r, den w/fp, lg. kit. w/ dinette, 2car gar., fin. bsmt., igs, SWRSD, \$559,000/neg. Ext. 2253 or 821-3320.

STONY BROOK - sunny 2 bdrm, 2 bath in The Knolls, 55 & older, fam. rm, gar., community cntr, pool. \$385,000/neg. 751-5389. WADING RIVER - 2153 W.R. Manor Rd., 8-rm, Carrera-blt Colonial, 4 bdrm., 2 full & I-half baths, full bsmt., gar., SWR Schools, 90x165' prop. \$499,000/neg. 929-6074. WEST PALM BEACH, FL - 1 bdrm, 1 bath, completely renov. condo, cabinets, appli., a/c, etc, \$36,000. 516-375-7330.

Bus to International Art Expo, NYC

9:30 a.m. Bus leaves B'haven Center for the International Art Expo at Javits Center. Tickets, \$20/person, are at the BERA Store. Depart NYC at 5 p.m.

- WEEK OF 3/3 -

Tuesday, 3/4

Forsyth Film on Trip to Antarctica Noon. Berkner Hall. Eric Forsyth film. All are welcome.

Arrivals & Departures – Arrivals –

.....CFN Peter Albrecht..... Joseph Dvorak.....NSLS Stephen Klerk EWMS Robert Sinatra Jr.....N&NS

Departures –

Raymond Brinas	Biology
Lim-Seok Chang	Env. Sciences
Rajiv Tyagi	Biology
Zhong Wang	Chemistry

American Red Cross Lifeguard Training

All Red Cross requirements have been changed, re-certification is required. A manadatory pre-test will be held at the BNL pool, Sunday, 2/3, 10 a.m.-1 p.m. It includes a water test, general information, and registration.

To register for training, you must be at least 15 years old; pass a swim test that includes a 500-yd. swim, 200 yds. front crawl (freestyle), 300 yds. alternating breast stroke, back stroke and side stroke; tread water for 10 minutes; dive head first, swim 20 yds., retrieve a 10-lb. diving brick from depth of 9 ft., and swim 20 yds. to return the brick; attend all eight sessions (no exceptions). The fee of \$325 includes a \$50, non-refundable deposit.

Class dates are: February 10, 17, 24, March 2, 9, 16, and 30.

Successful candidates will receive certifications in lifeguard training; waterfront lifeguard training; CPR for the professional rescuer; automated external defibrillator (AED); and first aid.

Candidates who fail the mandatory pretest will be given one more chance to qualify later. If they still do not qualify, then the \$50 is non-refundable. Call 344-3496,10 a.m.-2 p.m. and 4:30-8:30 p.m.; or 344-8481, 8 a.m.-4:30 p.m., to register. Your name, address, phone number, and a check for \$325 made out to cash may be sent to: Lifeguard Training, P.O. Box 502, Upton, NY 11973; or delivered to the Quality of Life/BERA/Recreation Office, Bldg. 400, or to the lifeguard at the pool.

Classified Advertisements

Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882 Access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees

PLUMBING SUPERVISOR (T-5) - Requires ten years' broad experience as a plumber and extensive knowledge of the plumbing trade. Responsible for first-line supervision in the plumbing section of Plant Engineering. Directs the construction, installation, repair, and maintenance of water and gas distribution systems, related facilities and auxiliary equipment, and equipment utilizing water, gas and heat distribution services. Direction includes assigning work, training, scheduling, grievance handling, and technical direction. Coordinates all work of unit. Works closely with other craft supervision and department coordinators on work planning, tracking, and completion of work orders. Supplies technical assistance and information on work of the unit to Laboratory customers, staff and other supervisors. Plant Engineering Division. Send resume to tbuck@bnl.gov referring to Position No. TB 4883.

LABORER (term appointment) -Performs wide variety of manual labor tasks on roads, grounds or building maintenance. May perform unskilled tasks assisting mechanics. Operates such equipment tational methods of physical chemistry and a strong background in solid-state physics or chemistry are desired. Work will involve theoretical studies based on density functional theory (DFT), Transition State Theory (TST) and Kinetic Monte Carlo (KMC). The focus will be on analyzing the geometries of supported metal compound nanoparticles and their catalytic activities towards desulfurization. Under the direction of P. Liu/J. Muckerman, Chemistry Department. Send CV to felicia@bnl.gov, referring to Position No. FH 4917.

POSTDOCTORAL RESEARCH ASSOCIATE Requires a Ph.D. in condensed matter physics. Experience with surface and interface science of strongly correlated electron systems and expertise with manipulating/ measuring (sub)micron-size samples and/ or lithographic nanostructures is highly desirable. Familiarity with spectroscopic techniques (ARPES/electron/Raman) and data acquisition (LabView) and process ing (IGOR/MatLab) software is a plus. The successful candidate will participate in an inter-disciplinary effort of investigating magnetic proximity effect in graphene and developing graphene-magnet heterostructures suitable for applications in spintronic devices and studying their electronic/magnetic/transport properties. The research will be conducted using facilities at BNL (Center for Functional Nanomaterials, National Synchrotron Light Source Department) and other National Laboratories. Under the direction of T. Valla and I. Zaliznyak, Condensed Matter Physics and Materials Science Department. Send CV to felicia@ bnl.gov, referring to Position No. FH 4600.

PROJECT ENGINEER I (P-9): Requires a bachelor's degree in electrical/electronics engineering with a minimum of 10 years' experience with a successful track record analog and digital signal processing. Experience in design, development and operation with accelerator beam position monitor and other beam diagnostic's instrumentation is highly desirable. Excellent written and verbal communication and good interpersonal skills are required to interact with a diverse group of scientists and technical staff. Reporting to NSLS-II Accelerator Diagnostics & Instrumentation Group Leader, responsibilities will include overall system engineering, detailed design, and preparation of specification and procurement of variety of diagnostics projects. Will direct technicians during all phases of construction, commissioning and operation of the NSLS-II beam diagnostics systems. National Synchrotron Light Source II. Send resume to nsls2jobs@ bnl.gov referring to Position No. PE 5013.

ADVANCED TECHNOLOGY ENGINEER (I-7) - Requires a BS degree in the information technology (IT) area or equivalent work experience and 5+ years experience in a computer/information security field. Must have program management and technical experience in IT, preferably cyber security. Will serve as the Unclassified Information Systems Security Manager (UISSM) of BNL unclassified computer/network systems. Responsibilities include self assessments, threat/risk assessments, auditing, certification and accreditation, policies and procedures, FISMA reporting, incident handling, and training and awareness. Knowledge of DOE Directives and NIST/FIPS Standard Publications governing unclassified computers/networks desired. Technical expe rience as a system administrator in one or more of the following platforms/technologies is required: Windows, Unix/Linux, routers, switches, firewalls, proxy servers, and Web servers. Knowledge of TCP/IP, packet analysis, encryption technologies, antivirus, network databases, scripting languages, and wireless networking a plus. Excellent oral and written communication skills are critical. Professional information security certifications (e.g., CISSP, CISA, and GIAC) are a plus. The possession of or the ability to obtain a DOE "Q" security clearance is required. CISO Office/Direc tor's Office. Send resume to morales@bnl. gov referring to Position No. RM 4707.

PHYSICS ASSOCIATE IV (P-1) – Requires a BS in physics or related field and excellent written and oral communication skills. Background experience in high power pulsed power supplies, digital electronics, computer controls and programming, as well as laboratory test and measurement techniques is desirable. Primary duties, as part of a rotating shift team, include the operation and troubleshooting of the Collider-Accelerator Complex for the experimental physics program. Will be part of Collider-Accelerator emergency response team while on shift. Collider-Accelerator Department. Send resume to tbuck@bnl. gov referring to Position No. TB 4642

neering technology or equivalent experience, plus at least six years of relevant work experience including maintenance and troubleshooting of complex electronic, electrical, and mechanical systems. Experience with analog/digital electronics and basic computer knowledge is desirable. Must be familiar with standard test and measurement equipment such as function generators, oscilloscopes, multi-meters, and spectrum analyzers. Basic machine shop skills are a plus. Reporting to NSLS-II Accelerator Diagnostics & Instrumentation Group Leader, the selected candidate must be able to build and repair from schematic drawings and assemble chassis using basic mechanical fabrication techniques. Must be able to follow test procedures to perform routine tests. Must be self -motivated, able to work with minimum supervision, and have good communication skills. National Synchrotron Light Source II. Send resume nsls2jobs@bnl.gov referring to Position No. PE 5014.

ADMINISTRATIVE ASSISTANT (A-3) - Requires formal secretarial training, or equivalent, plus at least 6 years' related secretarial experience that includes at least two years' experience at BNL in a similar role. Must be highly competent in secretarial skills and MS office products, including Word, Excel, PowerPoint, and Outlook. Full knowledge of the PeopleSoft travel system and BNL Web Requisition System is also required. Must also be able to work independently and under pressure, handle non-routine office matters and perform multiple tasks. Knowledge of Laboratory practices, policies and procedures is desired. Responsibilities include both routine and non-routine administrative assignments which include, but are not limited to: preparing reports and correspondence; coordinating and scheduling appointments and meetings, including recording and distributing minutes; travel; maintaining supplies, procurement requisitions, repairs/ maintenance. Will work primarily with the Environmental Compliance Section. Environmental & Waste Management Division. Send resume to tmorton@bnl.gov, referring to Position No. TM 4632

ADMINISTRATIVE SECRETARY (A-2, reposting) - Requires a high school diploma and a minimum of four years' pertinent experience. Must possess a high level of proficiency in performing administrative secretarial skills and excellent oral and written communication skills. Knowledge of Microsoft Office, Outlook, PowerPoint, Excel, and Access required; experience in PeopleSoft is highly desirable. Under minimum supervision, will perform a variety of skilled and complex secretarial tasks for the Systems Engineering & Safety Analysis Group, NEIS Division, involving both routine and non-routine administrative assignments. Will also assist in activities of the Four Laboratory Consortium (ANL, BNL, ORNL, and PNNL) to support the U.S. NRC. Typical assignments will include report and correspondence preparation, scheduling appointments, making travel arrangements, assisting in organizing and scheduling small conferences and meetings, and performing moderately complex word process and/or assignments. Will have contacts within and outside the Laboratory. Energy Sciences & Technology Department. Send résumé to hubertd@bnl. gov referring to Position No. DH4491.

Motor Vehicles & Supplies

07 TOYOTA PRIUS - Many options. Mint cond. http://homepage.mac.com/nabeka zu/. 3500 mi. \$21,000/neg. Ext. 2273.

05 HARLEY D. SPORTSTER 883 CUSTOM excel. cond., wind shield, saddle bags, hwy. lights, crash bars, fwd. ft. ctrls. 3800 mi. \$5,500/neg. Ext. 3505 or 929-6467.

03 NISSAN PATHFINDER - white, fwd, tint windows, 6 disk cd, plenty of rm., gd. in snow/ice. 62K mi. David, 646-662-7453. 02 YUKON DENALI - Loaded, excellent condition. 60K mi. Sue, Ext. 4931.

99 TOYOTA COROLLA-LE - a/t, a/c, p/w, ABS, c/c dealer maint, all records, v/gd. cond., new tires/brake/batt, excel. gas mi. 93K mi. \$4,990/neg. Ext. 4290 or 775-6114. 99 DODGE PICK UP - xtra cab, V-10 Viper mtr, Am. racing whls, sprt pkg, Posi

BNL Blood Drive, Thursday, 2/14 Give Love, Life, Laughter

Blood is needed every three seconds in the U.S.— for accident victims, cancer patients, hemophiliacs and surgery patients.

Last December, during a one-day blood drive at BNL, 147 generous donors gave blood. In December 2006, 136 pints were donated. The extra 11 pints in 2007 saved up to 33 more people, since each pint may be split three ways to be used in different medical circumstances. Just one more pint — could it be from you? — could give three more people another laugh, another hug, another chance.

If you are from 16 to 75 years of age, in good health & weighing over 110 lbs., please make a reservation to give blood at the Brookhaven Center on Thursday, February 14, 9:30 a.m.– 3 p.m. Restrictions may apply to individuals from the United Kingdom and Europe. The actual blood donation usually takes less than 10 minutes. The entire process, from when you sign in to the time you leave, takes about 45 minutes. Reassuring facts: giving blood will not decrease your strength, and you cannot get any infectious disease by donating blood.

To make an appointment, log on to the Human Resources webpage, click on "Blood Drive," and select "Schedule an Appointment," or contact Liz Gilbert, Ext. 2315.



Send a Love Note to Your Valentine — by 2/4

Is there a special message you'd like to send to your valentine? Are you looking for a valentine? You can have your Valentine's Day message printed in The Bulletin on February 8. It's really too early, but the next Bulletin will appear on February 15 — too late. Last week, the deadline for sending in romantic messages was announced as 2/1. But the tender spirit of the season has affected the editor's stony heart: Messages received by Monday, February 4, will be welcomed.

So, deliver your 15-to-20 word "love note" to The Bulletin, Bldg. 400, by Monday, February 4, marked "Valentine's Day." If you use the ad forms on the web, use the form for "Miscellaneous," and mark "Valentine's Day" at the start of the message. Or, e-mail your message to bulletin@bnl.gov. Include your name and life number, Lab extension or home phone, but your name/number will not be printed unless it is clearly part of the message. Copy must be tasteful. All "love notes" will be accepted at The Bulletin's discretion.

93 HONDA ACCORD - EX-4D. Runs v. well, 25/31 MPG. Wnds need repair. New bks,front axial,and tires. Just passed inspect 129K mi. \$800/neg. Ext. 4403. 91 ACURA INTEGRA LS SPECIAL - 2dr 2L 5 spd., orig. owner, runs well, new batt. '08, timing belt, frnt struts repl'd., needs some w 148K mi. \$1,399/neg. 834-4434. 88 CHEVY 1-TON TRUCK - new 350 motor/starter/batt, brakes/wheels & tires, turbo 400 auto. liftgate. \$2,500. 860-3530. 81 FORD MUSTANG - 6 cyl, a/t, t-top hbk orange, runs well, some rust on flr. 225K mi. \$400/neg. Richard, Ext. 7443.

Furnishings & Appliances

ART PRINTS - by local artist, 2 scenes view: www.timeforgotbooksandantiques. com/ nasta, 18x24, \$2/ea. Ext. 7114. BEDROOM SET - twin, Ethan Allen, solid maple, matching headbrds, 2 dressers w/ hutch, 1 night std, excel. \$650. Ext. 7236. BEDROOM SET - twin, ask/\$175. 369-2620. BED FRAMES - tw, maple, b/o. 874-3606. BRASS BATHROOM SINK FAUCET brass finish w/procelain handles, matching sink drain \$20. 404-8109. WICKER COUCH,CHAIRS,GREEN - w/ chintz cushions, & cocktail table, set \$300. Mary Lynn, Ext. 7796 or 516-445-9386.

Audio, Video & Computers

AUDIO TAPES - 72 cass., 80 8 tracks, mostly country music, some xmas, make offer. Peter, Ext. 5551 or 772-4751.

BLU-RAY PLAYER - Sharp Aquos BD-HP20 Blu-ray. new, \$300/neg. Will, Ext. 2050.

CAR STEREO SPKRS, RADIOS, ETC. - all new, spkrs. \$15-\$30/set, pre amp & 35 watt 4 channel radios \$50/ea., more. 708-6494.

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

COLOR PRINTER - Compaq IJ300, with cartridge. Best offer. Ext. 3621.

as power lawn mowers and pneumatic tools. If interested, please send transfer form to Diana Hubert, Bldg. 400B.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates

SCIENTIFIC STAFF POSITION (ASSIS-TANT/ASSOCIATE/SCIENTIST - S1/S2/ S3) - Requires a Ph.D. in accelerator physics or related field. Experience with one or more of the following: electron rings, linacs, FELs with emphasis on diagnostics/experimental research is desired. Successful candidate is expected to be actively involved in the accelerator and/or FEL R&D, as well as attend the needs of the presently operating NSLS facility. The level of the position will be based on the background and experience of the selected candidate. Under the direction of B. Podobedov, National Synchrotron Light Source Department. Send CV to felicia@ bnl.gov, referring to Position No. FH 4526. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, chemistry or materials science. Experience with compu-

MEDICAL ASSOCIATE IV (P-1) Part-Time/ Term Appointment – Requires a bachelor's degree in biological sciences, medical or allied health areas. Strong interpersonal skills and writing ability needed. Computer training in Microsoft Office and prior experience with clinical research is highly desirable. Responsibilities include performing clinical research studies using advanced MRI techniques, recruitment and outreach for studies and assisting scientists and research associates with project coordination. Medical Department. Send resume to tmorton@bnl. gov, referring to Position No. TM 4702.

SR. TECHNICAL SPECIALIST (T-3) - Requires an AAS degree in electrical engitrac, all pwr, new shocks, tires, leather int. 100K mi. \$10,500/neg. 516-383-0060.

98 CHEVY MONTE CARLO Z34 - 6cyl. 2 door, a/t, cd, AM/FM, p/s,p/w, p/l,p/b, new tires & brakes. 87K mi. \$3,500/neg. Maryann, Ext. 4705 or 631-929-4978.

98 HONDA CIVIC - 4 dr., a/c, a/t, excel. running cond., great fuel efficiency. 130K mi. \$2,800. 404-6879.

98 TOYOTA COROLLA - blue, 4 cyl., a/ t, pwr w/l, sunroof, am/fm, cass/cd, gd. cond., orig. owner, well maint'd. 141K mi. \$3,500/neg. Ext. 3428 or 516-443-3527.

97 DODGE GRAND CARAVAN SPORT runs well. a/c & heat work well, body/interior clean, new brakes, rem start/alarm, firm. 105K mi. \$2,900. Michell, Ext. 2541.

97 CHEVY ASTRO VAN - 8 pass., 6 cyl., v/ gd. cond. v/reliable, needs nothing. 132K mi. \$2,700/neg., Ext. 7160 or 878-3245.

96 HONDA CIVIC EX - gd. cond., rem.start, a/c, a/t, p/w, abs, 4 dr., c/c, am/fm, cass, m/roof. 167K mi. \$3,200/neg. Ext. 2389 or 751-1224. COUCH - loveseat, \$450; wh-washed oak entertnmnt cntr, pics avail., \$90. 909-1498 LOVE SEAT, CHAIR - matching, mauve/ green, gd. cond, \$300; clothesrack, wood, \$5; 3-shelf cart w/wheels, \$10. Ext. 7647. MICROWAVE - 1 yr. old 750KV, gd. cond., \$20. Ext. 4290.

MISC FURNISHING - loveseat, plum color, \$100; IKEA curio w/light \$40; area rug 8x11; \$100 - like new. Pics. 758-9875.

OAK HALL TREE - golden oak, mint cond., 80"hx29"wx19"d, ask for pic. kviscusi@ optonline.net, \$350. 744-4847.

PIANO - upright, gd. cond., needs tuning, can help move for fee, reducd to \$500. 286-1018.

PANASONIC TAU 36 - flat scr, silver cabinet, 2 component inputs S-video, rem

PHOTO RESTORATION - old, color & B&W, 35mm & med., format neg./slides scanned high res. Rick, 874-4017.

contr, pics avail. \$400. 744-4061.

PRINTER - used, scan/copy, HP, PSC 1350, excel. cond., new cartridges. cd/ manual/UPS/pwrcord \$30. Ext. 5664.

PROFESSIONAL MIDI SAMPLER - Yamaha A3000, with the rare ASIB-1 output ext, hard dr & extra mem, \$270. Ext. 3621.

SLIDE SCANNING SERVICE - www.pictureperfectscans.com . slides, prints, negs, deliv on DVD, music slideshows avail. 928-6469.

STEREO SYSTEM - York turntable, recordable 8 track & cass., am/fm radio, 4 sprs, make offer. Peter, Ext. 5551.

TV - 2 21" TVs, cable ready, \$25 ea. Stephen, Ext. 3822 or 929-6527.

Classified ads are continued on page 3.

Bulletin

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