

Safety is the Message

Last Friday, September 26, 413 managers and supervisors attended a mandatory meeting on safety. Lab Director Praveen Chaudhari opened the session with his viewpoint that BNL's noteworthy achievements in science must be matched by achievement in environmental protection and in safety. "We have to do science in a way that the environment is not harmed and human life is not harmed, inside and outside the Laboratory," said Chaudhari.

DOE Brookhaven Area Office Manager Michael Holland then called on managers and supervisors to establish a culture of safety by example.

He was followed by Chemistry Department Chair Alex Harris, who gave an update on the recent laser accident, in which a Stony Brook University graduate student was seriously injured in both eyes while aligning a Class IV laser without eye protection. Harris said that recent improvements to the student's vision, especially in one eye, are encouraging.

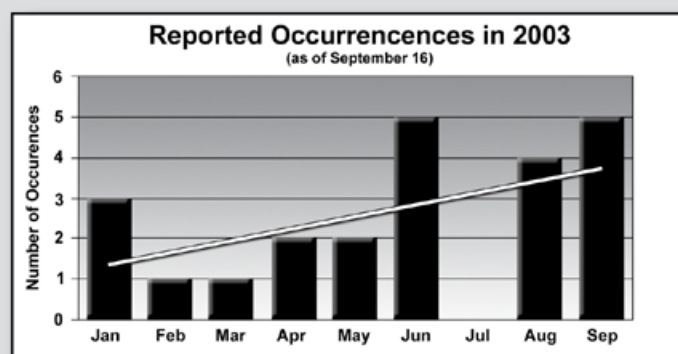
James Tarpinian, Assistant Director for Environment, Safety, Health & Quality, spoke to a vision "that the BNL community together will achieve and sustain an injury-free, healthy, and safe workplace for all employees, visitors, and contractors." He described a disturbing upward trend in safety mishaps on site (see graph below), starting in May when an employee slipped on a recently stripped floor, resulting in a serious elbow injury. Tarpinian said that the Lab reported ten occurrences from May through September that had potentially serious safety or environmental consequences. He then outlined next steps for managers and supervisors, which will include use of prepared materials to help open a dialogue on safety with everyone on site.

"If you think accidents are unavoidable, you may overlook preventable risks," cautioned Tarpinian. "Zero accidents is a vision. 'Believe that you can make a difference. Believe that 'zero accidents' is possible."

For the last segment of the meeting, Chaudhari opened the floor to questions from the audience, and a number of employees made suggestions about improving safety at the Lab.

Since attendance at this meeting was mandatory for managers and supervisors, a second meeting for those who were on vacation or on travel that day is now set for Friday, October 10, from 2-3:30 p.m. in the Hamilton Seminar Room, Bldg. 555.

— Mona S. Rowe



Coming Up:

387th Brookhaven Lecture, 10/15

James Wishart, Chemistry Department, will present the 387th Brookhaven Lecture, "Ionic Liquids: Salt for the Earth" on Wednesday, October 15, at 4 p.m. in Berkner Hall. See story in next week's Bulletin.

Imaging Study Reveals Effect Of Smoking on Peripheral Organs

Researchers in BNL's medical imaging group, who previously found reduced levels of the enzyme monoamine oxidase B (MAO B) in the brains of smokers, now provide compelling evidence that MAO in peripheral organs — the kidneys, heart, lungs, and spleen — is also affected by smoking. This crucial enzyme breaks down neurotransmitters and dietary amines, and too much or too little MAO B can adversely affect health and even personality.

"When we think about smoking and smoking toxicity, we usually think of the lungs," said Joanna Fowler of the Chemistry Department and one of authors of the study, which was published online by the *Proceedings of the National Academy of Sciences* the week of September 8, 2003. "Here we see a very marked effect of smoking on one of the major enzymes in the body, and we see that this effect extends far beyond the lungs."

"The ground-breaking findings by Joanna Fowler's group on the systemic effects of tobacco smoking are the result of years of investment by the Office of Science in the fundamental sciences of radiochemistry and in imaging instrumentation development," said Raymond L. Orbach, Director of DOE's Office of Science. "With the new radiotracers we are developing, for the first time we shall be able to understand the abnormal metabolism of the brain and other organs in a wide range of disease states."

The Brookhaven team's previous research showed that the reduction of MAO B in the brains

of smokers was *not* due to nicotine, but rather, to some other component of tobacco smoke.

"Since smoking exposes the entire body to the tobacco compounds that inhibit MAO B, we believed it had the potential to limit MAO B activity throughout the body," said Fowler, who conducted the current study to investigate this effect.

(continued on page 2)



Joanna Fowler

Joseph P. Indusi Elected Fellow of the Institute Of Nuclear Materials Management



Joseph Indusi

Joseph Indusi, Chair of the Nonproliferation and National Security Department, has been elected a Fellow of the Institute of Nuclear Materials Management. The institute provides leadership and professional development in nuclear materials management for a worldwide community of professionals in the field. Currently, it has over 900 members, of which about three percent are Fellows.

Indusi was cited for "his distinguished contribution to the field of safeguards and nuclear materials management." In addition, he was commended for his extensive participation in the institute's activities. Indusi had been chair of several committees within the institute, and, in 1991, with a Brookhaven physicist, the late William Higinbotham, Indusi initiated the institute's first sessions on arms-control verification.

"I've been entrusted with a job at Brookhaven that is extremely important for the safety of the nation and the world," Indusi said. "I take that role very seriously, and I believe that my staff of about 40 experts and I perform it very well. I've also been an active member of the institute for 30 years, as long as I've been at Brookhaven. Being named a Fellow validates my efforts. I am very pleased."

He added, "Within my department, since 1993 — after the first terrorist attack on the World Trade Center — we have been focusing more of our efforts on antiterrorism initiatives. Recently, we have been working with the Department of Homeland Security to test and evaluate radiation detectors for use in the New York metropolitan area. We also are developing advanced radiation detectors that can be used to trace radiation from devices such as dirty bombs. The department has also been part of a team conducting vulnerability and risk assessments at critical infrastructure facilities in New York State."

In addition, Indusi's department provides technical assistance to promote enhanced safeguards and security systems for the protection and accountability of weapons-grade nuclear materials, in cooperation with Russian nuclear facilities; develops safeguards systems and arms control verification approaches and technology to stem the spread and reduce the danger from nuclear, chemical, and biological weapons worldwide; provides technical oversight of projects designed to strengthen the International Atomic Energy Agency's safeguards; supports nonproliferation of

(continued on page 2)

Astronaut John Grunsfeld to Talk 10/14 On Space Research, Servicing the Hubble

John Grunsfeld, astronaut, astronomer, astrophysicist, and the newly appointed NASA Chief Scientist at the agency's headquarters in Washington, D.C., will give a talk entitled "Servicing the Hubble Space Telescope: Answering Fundamental Questions About Our World and Our Place in the Universe," on Tuesday, October 14, at 4 p.m. in Berkner Hall. All are invited. Visitors age 16 and older must bring a photo ID.

Grunsfeld's talk is being held in conjunction with the dedication of the NASA Space Radiation Laboratory at BNL, an experimental facility that will enable researchers to study the biological effects of radiation in space. Before prolonged space missions are undertaken, such as a mission to Mars, a detailed understanding of these effects is needed to plan for the effective protection of astronauts.



Calendar of Laboratory Events

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

— EACH WEEK —

Weekdays: Free English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Christine Carter, Ext. 2873.

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

Noon-12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Hall. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Monique de la Beij, 399-7656.

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Singles Club

5:15 p.m., Brookhaven Center. Contact: Jean, Ext. 4391.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/default.htm.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$4 per class. Rec. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Christine Carter, Ext. 2873.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Suzanne Surrow, 476-6610.

Wednesdays: Farmer's Market

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

Wednesdays: Weight Watchers

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

Wednesdays: Yoga Practice

Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206.

Wednesdays: Open Chess Night

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

Wednesdays: Exercise 101

5:15-6 p.m., Rec. Hall. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Fridays: Jiu Jitsu Club

6-7 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

— THIS WEEKEND —

Friday, 10/3

*Tour BNL's new NASA Space Radiation Laboratory

Noon, Berkner Hall. All are invited to visit the NSRL and learn about the research on cosmic and solar radiation being started there. Meet at noon to catch the Lab bus, return by 1 p.m. Elaine Lowenstein, Ext. 2400.

2003 Pine Barrens Research Forum

8:30 a.m.-4 p.m., Berkner Hall. For more information, see http://pb.state.ny.us/research/2003_agenda_and_registration.htm or call Tim Green at Ext. 3091.

*Latin Rhythms' Concert

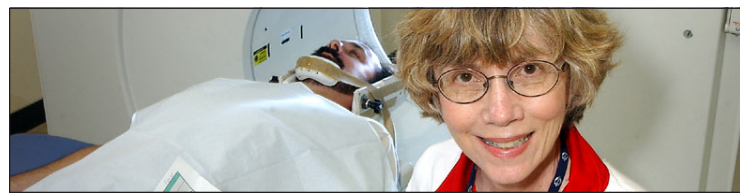
8 p.m. Berkner Hall. Cabaret singer Yvette Malavet-Blum, with Sam Carr at the piano, two BNLers who have each given many concert performances on Long Island and elsewhere, will perform "Latin Rhythms," sponsored by the BNL Music Club. \$8.

Sunday, 10/5

Bus Trip to L.I. Game Farm

\$11.50 per person (\$2 for bus, \$9.50 for admission to the zoo.) Come see tigers, monkeys, buffaloes, cougars, ostrich, a giraffe, and more. Bus leaves the Brookhaven Ctr. at 10 a.m. and departs the game farm at 12 p.m. for the return trip to BNL. For tickets and additional information, contact Jennifer Lynch, Ext. 4898, or lynch@bnl.gov.

Effect of Smoking on Peripheral Organs (cont'd.)



She and her colleagues in the Medical and Chemistry Departments at Brookhaven and the Psychiatry and Applied Mathematics Departments at Stony Brook University used radiotracers — radioactively "tagged" molecules designed to bind to specific biochemicals, which can then be traced using positron emission tomography (PET) scans — to determine whether smokers have reduced MAO B activity in their peripheral organs.

The scientists administered MAO B-specific binding radiotracers labeled with carbon-11 to twelve smokers and performed whole-body PET scans to measure the level of MAO B in various organs. They then compared the results with those from a group of eight nonsmokers. The study found that MAO B activity in the heart, lungs, kidneys, and spleen was significantly reduced in the smokers relative to the nonsmokers. Reductions ranged from 33 to 46 percent.

"The consequences of these reduced MAO-B levels need to be examined in greater detail," declared Fowler, "but, at the very least, it is clear that enzyme

levels in smokers' peripheral organs are significantly impacted by their habit."

One of the functions performed by MAO in the body is to break down chemical compounds that elevate blood pressure, such as chemicals found in certain foods like cheese and wine, as well as some chemicals that are released by nicotine. Thus, the health consequences of reduced MAO B may be indirect and associated with other dietary substances or environmental compounds normally broken down by the enzyme.

"With the whole body exposed to the thousands of compounds in tobacco smoke, we need to be aware that these may contribute to the physiological effects of smoking," Fowler said.

This work was funded by the Office of Biological and Environmental Research within the U.S. Department of Energy's Office of Science; the National Institute of Biomedical Imaging and Bioengineering; the National Institute on Drug Abuse; and the Office of National Drug Control Policy.

— Karen McNulty Walsh

Brookhaven Women in Science Event

Talk: Women Scientists' Glass Ceiling, 10/9

Elga Wasserman, author and science, law, and university administrator, will lecture on "Breaking the Glass Ceiling: Myths and Realities for Women Scientists," at noon on Thursday, October 9, in Berkner Hall. All are welcome to this free talk.

Wasserman earned a Ph.D. in organic chemistry at Harvard University, 1949, and a J.D. from Yale Law School, 1976. She served as Assistant Dean of Yale Graduate School, and later became Special Assistant to the Yale President. After practicing family law 1977-94, she is now conducting research on eminent women in science.

Indusi and Antique Buicks

Joe Indusi's colleagues may use the word "driven" to describe his dedication to protecting our nation's security at home and abroad, but when Indusi is not at the Lab, he's often thinking about driving — and tinkering with — his collection of award-winning antique Buicks.

"When I was young, the other kids always wanted the hot rods, but for me it was always the Buicks," said Indusi. "They were a little heavier than most, but I loved that look in the front — the way the grill looked like a set of teeth."

Although his father drove a Buick, Indusi's first car was a 1947 Pontiac, and he wasn't able to fulfill his own Buick dreams for many years. "I would go to car show after car show and yearn for one of my own," he said. "Finally, in 1998, I found the car I was looking for."

"The car" was a 1948 Buick Special Two-Door Sedan. While it ran and was in decent shape when he bought it, Indusi was soon spending most of his free time restoring the vehicle to showroom condition. "I replaced the brakes, the hydraulics, and the wheel cylinders, and worked on the engine, fuel

pump, and carburetor," he said. "One of the primary problems is that with a car that old, it's not like you can go down to Pep Boys for parts — they'd look at you like you're crazy. All of that stuff has to be rebuilt or special ordered."

After replacing the vehicle's rear end so it could travel a blazing 55-60 miles per hour comfortably instead of the 35 miles per hour it struggled with out of the factory, Indusi now drives the car primarily in parades and to car shows, running it about one day a month and getting a whopping 10 miles per gallon.



Joe Indusi in one of his award-winning antique Buicks.

Joseph Rubino 01200903

Talk on 'The Past, Present, And Future of NASA,' 10/14

Ronald Ernst, a member of the National Aeronautics and Space Administration Aerospace Education Services Program team (NASA/AESP) at the Goddard Space Flight Center in Greenbelt, Maryland, will give a one-hour talk on "The Past, Present and Future of NASA" in the Hamilton Seminar Room, Bldg. 555, at noon on Tuesday, October 14.

Ernst will discuss all aspects of NASA, from aviation to living and working in space. He will also illustrate his talk with a space suit, and various models, including those of space shuttles and an international space station.

Ernst earned two degrees in science education: a B.S. from the University of Maryland, College Park, in 1973, and an M.S. from Oklahoma State University in 1998. Before joining NASA/AESP in 1990, he was a high school science teacher in Prince George County, Maryland, for 14 years.

During his years as an educator for NASA, Ernst has given over 4,000 lectures and demonstrations to an estimated 450,000 students, and he has conducted workshops for 3,000 teachers. He has been the guest host and co-producer for nine interactive television programs for Lower Bucks Cablevision near Philadelphia. In New York, Ernst has been the host and co-producer for Lockport Community Cable's live program of NASA Links to Lockport.

Recently, Ernst has been the lead person in developing statewide educational support programs on NASA in New York and New Jersey. Ernst and the NASA/AESP team at Goddard Space Flight Center were awarded the NASA Public Service Group Achievement Award in 1991.

For more information about the lecture, call Gail Donoghue, Ext. 2838, or donoghue@bnl.gov.

— Diane Greenberg

Joseph Indusi Elected Fellow

(cont'd.)

nuclear, chemical, and biological weapons by providing sustainable non-weapons related jobs to Russian weapons scientists; and addresses the environmental and proliferation concerns associated with dismantling Russian nuclear submarines.

Indusi earned a B.S. in electrical engineering from the University of Bridgeport in 1965, an M.S. in applied analysis from Stony Brook University (SBU) in 1969, and a Ph.D. in applied mathematics and statistics from SBU in 1971. After working as a systems consultant at Burndy Corporation in Norwalk, Con-



necticut, Indusi joined Brookhaven Lab in 1973, working as an assistant mathematician in its Technical Support Organization (TSO). From 1986 to 2000, Indusi was division head of the Safeguards and

Arms Control Division, which incorporated the TSO organization. In May 2000, he became acting chair of the Nonproliferation and National Security Department, and in January 2001, he became chair of the department. When he is not working on national security initiatives, Indusi is likely to be found restoring classic Buicks, (see story below.) — Diane Greenberg

He also picked up a second antique Buick earlier this year — a 1953 Buick Special two door hardtop — and has been working on that one as well, most recently sewing and fitting a new trunk liner.

When he's not working on his cars, Indusi's often writing about his experiences restoring them. As a member of the Buick Club of America, Indusi has had three articles published in the organization's newsletter, *The Bugle*, and is now writing a fourth. The topics have ranged from a step-by-step description of his rear end

replacement project on the '48 Buick to an article on how the advanced engineering on pre-war Buicks was comparable to any of the high-end European sedans from that era. Currently, Indusi is researching an article on homemade sawmills scattered across the U.S. that were constructed using the powerful, high-torque engines from scrapped Buicks.

His cars never fail to draw attention when he is out in them, and the '53 Buick was recently awarded the "Best Post-War Car" honor at the L.I. Chapter of the Buick Club of America's 2003 meet. "Crowds always gather around the car, especially if I have it parked somewhere for an extended period of time," he said. "People will run up and say 'My father had one of these,' or 'Is it for sale?'"

Although they draw a lot of attention in public, Indusi most enjoys the private time he spends working on the cars. "I've always enjoyed working with my hands," he said, "and I've always been interested in things that explain history and why things happened the way they did. These cars are a piece of history." — Peter Genzer

Otto White Receives Award From African-American Educational & Cultural Festival, Inc.



Otto White Jr., Safety and Health Services Division manager (at podium), delivers his keynote address at the African-American Educational & Cultural Festival, Inc. on September 13, as Lab Director Praveen Chaudhari (seated at left) looks on.

On August 21, Otto White Jr., Safety and Health Services Division manager, received an award from the African-American Educational & Cultural Festival, Inc. (AAECF), a non-profit organization based in Riverhead, NY, that honors, celebrates, and pays tribute to African-American culture and history. The award, championed by the AAECF Executive Board Chairperson, Marilyn Banks-Winters, recognizes White for his outstanding contributions to science and technology. In addition to receiving the award, White was later the keynote speaker at the first African-American Educational & Cultural Festival, held on September 13 in Riverhead. At the festival, White was introduced by Laboratory Director Praveen Chaudhari. White's motivational speech focused on how to pursue a career in science and technology and how important it is for African Americans to influence the future of science. Says White, "I am honored to have received this award, and I hope that my talk influenced the younger members of our community to pursue a career in science and technology."

— Jane Koropsak

Nuclide Wall Charts

The 16th Edition of the Nuclide Wall Chart and the Wall Chart Information Booklet, Nuclides and Isotopes, is available through the Information Services Division, Publications Office (Room 17), Bldg. 477. Call Cathy Green, Ext. 3484, to make an appointment to pick up a free copy.

Service Awards

The following employees celebrated BNL service anniversaries during the month of August 2003.

- 30 YEARS**
- Peter M. Heotis Rad. Ctrl.
- 25 YEARS**
- Raymond C. Karol C-A
- Ronald S. Longacre Physics
- Arlene Lombardi OIP
- Neil A. Wade C-A
- Charles Trabocchi C-A
- Stephen V. Musolino Rad. Ctrl.
- John J. Woods C-A
- Roy A. Barone ES
- Walter De Boer NSLS
- Pamela A. Esposito Physics
- 20 YEARS**
- Janice De Pass Env. Rest.
- Elaine Lowenstein CEGPA
- Charles H. Hofmayer ES&T
- James B. Murphy NSLS
- 10 YEARS**
- Jennifer Schretzmayer ... Chemistry
- Robert W. Mc Kay Plant Eng.
- Joseph B. Giuffre Plant Eng.
- Laura Lewis Mat. Sci.

Battelle Helps Fund High School Students in Environmental Science Program



Shown with local high school students is John Black (center left) accepting a check on behalf of Suffolk County Community College (SCCC), from Greg Fess (center right) of Battelle, for partial sponsorship of this year's community summer science research program. The funding from Battelle enabled these high school students to integrate environmental studies into the community summer science research curriculum. Students who were particularly interested in ecology and the environment were instructed in conducting environmental research at BNL and at other local sites. The community summer science research program is coordinated by Mel Morris, (second row, left) of BNL's Office of Educational Programs (OEP), while the environmental and ecologic studies were instructed by John Black, retired SCCC professor, and Joan Horn, SCCC geology professor (first row, left), with assistance from Eric Cohen (second row, second from left), a science teacher from Westhampton Beach High School who taught for OEP this summer. At the conclusion of the program, students presented posters to BNL staff and fellow student participants outlining what they had learned. Not in the photo is John Bockino, SCCC Coordinator of the Center for Community Research.

Roger Staudenburgh photo

BERA Softball Board Elections

The BERA Softball League will meet on Wednesday, October 8, at noon in Berkner Hall, Room D. All captains are required to attend. Anyone can run for the board; all positions are open. If you are interested in running, e-mail softball@bnl.gov and be sure to attend the meeting.

Classified Advertisements (cont'd.)

Happenings

MEMORIAL SERVICE - for John Thomas Eriksen, 82, deceased on 8/25 after an extended illness. John worked as a Tower Lineman at BNL for 37 years and retired in 1982. Memorial services will be held at Trinity Lutheran Church, Rt. 25A, Rocky Point on Oct. 11th at 11am. Laurie, 654-7017.

5K RUN/WALK - at Little Flower Children's Services School, 2460 N. Wading River Road, Wading River, on 10/18 at 9:30 a.m. \$15 pre-registr. (before 10/14); \$20 registr. on 10/18, 8:9:15 a.m., \$10 for students. Long-slv. T-shirts for 1st. 150 registered participants. Rain/shine. Sheryl Carey, Ext. 7716.

In Appreciation

Thank you to all my BNL friends and co-workers for a great 23 years. Special thanks to Fran, Beth & guests for the best retirement party anyone could hope for. You are the greatest. — Dr. Gloom

To my friends at BNL, thank you so much for the outstanding send-off. I will cherish that memory forever. God Bless You All. — Don Shea

Thanks to all who remembered my sister Pam in thoughts and prayers. — Jim Young

Service advertisements are available on the Web at www.bnl.gov/bnlweb/pubaf/bulletin/services.htm

Attn.: CIGNA Medical Plan Participants

Effective immediately, CIGNA medical plan participants should bring all claims for prescription drugs obtained in foreign countries through December 31, 2003, to the Benefits Office, Bldg. 185, for submission to CIGNA. As of January 1, 2004, CIGNA will no longer pay claims for prescription drugs obtained outside the United States, due to new Food & Drug Administration standards. For more information, call the Benefits Office, Ext. 2877 or 5126.

Weight Watchers

Register for the next session of Weight Watchers at Work on Wednesday, October 8, from noon to 1 p.m. in the Brookhaven Center. The cost will be \$99 for 10 or more weeks depending on the number of participants. Contact Michael Thorn, Ext. 8612 or mthorn@bnl.gov.

BWIS Meeting, 10/7

On October 7, BWIS will hold the annual general meeting to vote on next year's officers. In addition, Shirley Kendall, BNL's new Diversity Manager, has accepted BWIS's invitation to come and meet members. The meeting will be held at noon, in Berkner Hall, Room A. All are invited.

Calendar

(continued)

— WEEK OF 10/6

Tuesday, 10/7

Adelphi and Phoenix Online Demo

10 a.m.-2 p.m., Berkner Hall. Representatives from Adelphi University and Phoenix Online will present BNLers with information on various educational opportunities offered by the two institutions. For more information, contact Ruth Comas, Ext. 3545.

Caring Friends Meet

Noon, Berkner Hall, Room D. An informal support group is being started to serve as a resource for individuals experiencing grief and the many emotions following the loss of a loved one. Gatherings will be held on the first Tuesday of each month. All are very welcome. For more information, call Pat Hein, Ext. 3962, or Gerry Van Derlaske, Ext. 3476.

BWIS Meeting

Noon, Berkner Hall, Room A. Brookhaven Women in Science (BWIS) will hold an annual general meeting to vote on officers for next year. Shirley Kendall, BNL's new Diversity Manager, will be present to meet members. All are invited.

Wednesday, 10/8

***Noon Recital, Wind Quintet**

Noon, Berkner Hall. The Calico Winds quintet, five women who "shatter the stereotypical stodgy image of the conventional wind quintet" will perform. Noon recitals are free and open to the public.

Rifle & Pistol Club Meeting

Noon, Conference Room, Bldg. 535. Jim Durnan, Ext. 5993, durnan@bnl.gov or www.bnl.gov/bera/activities/rpc/.

Thursday, 10/9

***Glass Ceilings for Women Scientists**

Noon, Berkner Hall. BWIS-sponsored talk by Ella Wasserman on "Breaking the Glass Ceiling: Myths and Realities for Women Scientists." All are welcome to this free talk. Visitors over 16 must carry photo ID.

Community Advisory Council Meeting

6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see <http://www.bnl.gov/community/CAC.htm>.

Sunday, 10/12

***Flamenco Concert**

3 p.m., Berkner Hall. Sol Y Sombra presents "Encuentro Flamenco," a concert sponsored by BNL's Hispanic Heritage Club that features Spanish classical and Flamenco music and dance. Tickets, at a cost of \$10 per adult, \$5 for children under age 10, can be purchased at the BERA Sales Office in Berkner Hall, weekdays from 9 a.m. to 3 p.m. Tickets will not be sold at the door. For more information, contact Carmen Narvaez, Ext. 3254, or narvaez@bnl.gov; or Omar Gould, Ext. 2656, or ogould@bnl.gov.

— WEEK OF 10/13

Wednesday, 10/15

387th Brookhaven Lecture

4 p.m., Berkner Hall. James Wishart, Chemistry Department, will talk about BNL research on ionic liquids. See story in next week's Bulletin.

— WEEK OF 11/10

Thursday, 11/13

Community Advisory Council Meeting

6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see <http://www.bnl.gov/community/CAC.htm>.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

Arrivals & Departures

Arrivals

- Jennifer L. Niedziela C-A
- Heather L. O'Kula NSLS
- Thomas J. Schlager ITD
- Vincent H. Schoefer C-A

Departures

- Yukiko Hayashi Chemistry
- Han Gil Lee NSLS
- Xin Li Chemistry



BERA Sales Office Now Accepts Credit Cards

The BERA Sales Office now accepts Visa, MasterCard, and Discover credit cards. The sales office, which is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m., sells a variety of BNL-logo merchandise, souvenirs, gifts, cameras, and more, and also offers film-processing service and discounts to various theme parks and local sporting and recreational events. For more information, contact Andrea Dehler, Ext. 3347.

Get to Know Your Lab!
Visit the NASA Space Radiation Laboratory

Roger Stoutenburgh DSE10903



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 employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present 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; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/default.htm.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS3128. PROJECT ENGINEER I (P-9) - Requires a bachelor's degree in a physical science, engineering, or management, a minimum of ten or more years of hands-on engineering, research, nuclear facility operations, and/or policy studies related to the above topic areas; including five or more years of experience in one or more of the following: international or domestic nuclear safeguards; nuclear radiation measurement technology, including sample analysis and non-destructive assay; containment and surveillance technology; systems analysis; information technology; and project management. Excellent interpersonal and written

communication skills, proficiency with software tools such as Word, Excel, PowerPoint, and Outlook, a demonstrated ability to work independently and with U.S. and foreign scientists, engineers and government officials, excellent organizational skills, and experience working in a program/project manager role are necessary. Job responsibilities include evaluation of technical proposals, advising U.S. government officials and international organizations, oversight of technical projects, and participation in technical form through publications and presentations. U.S. citizenship and a DOE Q-clearance, or the ability to obtain and maintain one, are required. This job will require periodic domestic and international travel. Nonproliferation & National Security Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK2505. ASSISTANT NUCLEAR ENGINEER (reposting) - Requires a Ph.D., general background in nuclear engineering with some experience in working with large neutron computer codes. Will work with reactor analysis codes such as those based on lattice physics, Monte Carlo, and/or neutron kinetics. The application of these codes is to design new nuclear energy systems or fuel management schemes or to assess the safety of existing or proposed advanced reactors. In addition, work will involve one or more of the following programs: the calculation of neutronic properties of the NITS (National Institute for Standards and Technology) research reactor in support of reactor operations and the development of a Safety Analysis Report; the analysis of light water reactor properties in support of safety issues being pursued by the U.S. Nuclear Regulatory Commission; and the analysis of pressure tube reactors in order to validate calculation methods and assess safety parameters. Under the direction of D. Diamond, Energy Science & Technology Department.

MK2493. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in an engineering or applied science discipline, skills in computer modeling and simulation of complex systems, and education and/or training in nuclear technology systems. Experience in some aspect of development or applica-

Because astronauts are spending more time in space, the National Aeronautics and Space Administration (NASA) is working with BNL and others here on Earth to learn about the possible risks to human beings exposed to space radiation. To study the radiological effects using beams that simulate cosmic rays found in space, a new NASA Space Radiation Laboratory (NSRL) has been established at BNL. Today, October 3, all BNLers are invited to attend a free lunchtime employee tour of the NSRL facility. Meet at noon in Berkner Hall lobby. A bus will take the group to the NSRL and be back by 1 p.m.

tion of probabilistic risk assessment is desirable. Will participate in research programs on the application of risk assessment approaches to non-reactor nuclear systems, including fuel cycle systems and industrial and medical application of nuclear technologies. Under the direction of R. Bari, Energy Science & Technology Department.

MK2586. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in condensed matter physics and familiarity with scientific computing. The Condensed Matter Theory Group conducts frontier research in the theoretical investigation of electronic, optical and magnetic properties of condensed matter systems, using computational "first principles" methods. Will employ techniques of quantum many-body physics (time-dependent density functional theory, diagrammatic perturbation theory, quantum Monte Carlo and renormalization group) for the study of materials of technical importance. The project also includes the development of novel "state-of-the-art" theoretical/numerical approaches to properly treat localized quantum many-body interactions in "strongly correlated materials" (e.g.: high-temperature superconductors, low-dimensional magnetic systems, in close collaboration with several other world leading groups within the DOE CMSN framework. Access to parallel computing resources including DOE supercomputer centers and local Beowulf clusters is available. Under the direction of W. Ku, Physics Department.

NS3169. GRID COORDINATOR/TECHNOLOGY ARCHITECT (I-9) - Requires an advanced degree in information technology, physics, or closely related field and ten years' experience addressing large-scale scientific computing problems. Experience must include work with large geographically distributed collaborations and computing resources, petabyte scale data sets, and hands-on experience with Globus-based computing Grid technology. Excellent communication skills and evidence of management and leadership skills are also required. Familiarity and experience with ongoing DOE and NSF Grid projects would be of great value. Will participate in existing Grid projects, coordinate Grid efforts at BNL and actively pursue new Grid initiatives. Physics Department.

Motor Vehicles & Supplies

02 TOYOTA RAV4 - a/t, a/c, ps, p/b, p/w, fully loaded, take over lease approx. 1yr. or purchase, low mi., \$350/mo. Sandra, Ext. 2228 or 447-1423.

00 MERCURY GRAND MARQUIS - gray, V-8, a/c, p/s, p/b, p/w, extended serv. contract to 2006, 36K mi., \$12,950. Herbert, 424-5360.

99 DODGE INTREPID - a/t, a/c, p/s, p/b, fully loaded, immaculate in/out, 60K mi., \$9,200. Rich, 286-1842.

97 FORD ASPIRE - 2dr. silver hatchback, runs well, \$2000. Wayne, 924-9163.

96 SATURN SC2 - 5spd., a/c, p/s, p/b, looks & drives like new, dlr. maint., 90K mi., \$2,999. Bill, 924-3641.

94 HONDA CIVIC COUPE EX - 2dr., red, a/t, a/c, p/s, p/b, p/w, moonroof, gd. cond., very reliable, 150K mi., \$3,100. Judi, Ext. 7430 or 776-9066 eves.

93 DODGE CARAVAN - 3L, V6, p/l, p/w, new Alpine radio, CD player & windshield, 82K mi., \$3,900. Mike, Ext. 5319 or 698-8028.

93 FORD TAURUS - V6, 3.8L., a/t, a/b, new brakes, runs well, 78K mi., must sell, \$1,600. Greg, 632-1135 days.

89 VOLVO 740 TURBO WAGON - a/t, a/c, p/s, p/b, p/w, abs, sunroof, very gd. cond., 90K mi., \$2,200. Dhruva, Ext. 3849 or 727-1866.

86 CHEVY BLAZER S10 - 4x4, new tires, trans., alternator, fuel pump & battery, runs well, 128K mi., very clean. \$3,200.

86 OLDSMOBILE DELTA 88 - a/t, low mi., runs well, gd. station car, 69K mi., \$700, Helen, Ext. 2552 or 344-2523.

78 FORD PICK-UP - a/t, crew-cab, 4x4, cap, runs well, 100K mi., \$1,500, Roy, 654-5689. TWO-WHEEL TRAILER RACK BODY - \$225. Richard 924-6751.

Boats & Marine Supplies

30' SEARAY WEEKENDER - '78 beam, full fiberglass camper canvas, full galley w/ shower, professionally main., 503 hrs., mint cond., ask., \$25,000. Bruce, 732-2145.

15' GRUMMAN CANOE - aluminum w/ paddles, excel. cond., \$425; Yamaha 6hp short-shaft outboard eng., excel. running cond., \$400; Lloyd, 587-7876.

Furnishings & Appliances

AUDIO STAND - silver, brand new in box, never used, \$100; full-size mattress w/box spring, hardly used, \$175. Mary, Ext. 2900.

BED - Craftmatic, raise/lower & vibrate, \$225. Peder, Ext. 4591.

CABINETS - kit., quantity, measurements, phraner@bnl.gov for photos, \$1,000 neg., Mary, 265-3808.

CABINET/ARMOIRE - for computer, 52"H x 40"L x 24"D, light cherry wood, mint cond., pullout keyboard tray & printer shelf w/additional storage areas, ask. \$225. Mike, 567-9362.

CHAIRS - 4 dark brown wooden kit. chairs, \$10/set. Robin, 744-3902.

COUCH - 3pc. sectional, grey/peach/beige, gd. cond., \$900. Cynthia, Ext. 3084 or 698-9016.

DRESSERS - pine dresser set, 4x6 drawers; color TVs 13" & 21", assorted contents of the house. Elaine, 344-3876.

DRYER - Roper electric XL clothes dryer, gd. cond., \$125 neg. Greg, Ext. 7810.

FREEZER - upright, approx. 17 cu. ft., works well, \$50; lobster traps, 2 wood & 5 wire, ropes & buoys, \$10 ea., 2 scallop dredges, \$20 ea. Carl 929-5781.

MATTRESS - new Serta Perfect Sleeper Sumner Way, XL. twin, w/tags, \$350; boxspring, \$80, Ali, 286-8350.

Sports, Hobbies & Pets

EXERCISE BIKE - Schwinn stationary bike w/computer readout, excl. cond., \$125. Jim, 924-7374.

EXERCISE EQUIPMENT - Nordic Track Skier, Concept 3 Power, Total Gym, weights, etc., best offer. Elaine, Ext. 3876.

TREADMILL - 1yr. old, not motor powered, very gd. cond., \$50. Wenge, Ext. 5049 or 737-8299.

Audio, Video & Computers

CAMERA - Kodak digital, easy share DX 3215 zoom w/dock/bay, brand new, never used, still in orig. box. Mary, 289-5216.

COMPUTER - Dell, 1.1Ghz CPU, 20Gb HD, 256Mb RAM, CDRW, Win 2000, MS Office, keyboard, & mouse, \$350 obo. Don, Ext. 7237 or 929-6571.

PRINTERS - Epson Rx80 w/paper \$15, Epson 500 w/new color cart., \$15, HP 340C portable w/cart, \$15. Scott, 744-4237.

Miscellaneous

GITAR - Alvarez acoustic model 5220, mint cond.; new Shaller turners-new case, \$450 firm. John, Ext. 3805 or 277-3805.

PIÑATAS - unique, all occasions & characters, cartoon, Disney, Sesame Street, etc. Donna, 821-0359.

VARIOUS ITEMS - pirate ship toy w/accessories, excel. cond., \$45; weight bench, excel. cond., no weights, \$15. Lloyd, 587-7876.

Free

BOOKS - "The Knicks", Red Holzman, "Metropolitan Music of Art", "Who am I?" biology game. Morris, Ext 4192.

CAT - blk. female desperately needs a home, found dumped on LIE, vet. checked, healthy, neutered. Tim, Ext. 3824 or 924-5798.

DOG - White German Shephard needs loving home, excel. w/people, make wonderful companion. Louise, 755-7552, 7:30 a.m.-4:30 p.m., 475-6056, eves. & wknds.

VARIOUS ITEMS - 1 badminton & 2 tennis rackets; Toyota car am/fm stereo cassette player. Garman, Ext. 4387.

Wanted

AIRPLANES/MOTORS - tech. specialist, local school seeking donations of model airplanes, motors, etc., to be used for student development. Steve, 929-0269.

GITAR LESSONS - I would like to learn to play classical guitar during the daytime. Simone, 929-0043.

NANNY - for couple in Hauppague, services in exchange for rm., incl. util. Ben, 366-5106 after 4 p.m.

RESEARCH VOLUNTEERS - men and women who smoke cigarettes, ages 18 and over, are needed for MRI study. Strictly confidential, fee provided. 344-2773.

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

Happenings

ATLANTIC CITY BUS TRIP - Showboat, 10/11/03, \$25/pp, \$10 return at casino. Contact Lyn Fountaine, Ext. 2232, or Eugene Barrow, 369-8143.

(Classified ads are continued on page 3)

'Latin Rhythms' Concert Tonight, 8 p.m.



Yvette Malavet-Blum and Sam Carr

Sponsored by the BNL Music Club, cabaret singer Yvette Malavet-Blum, with Sam Carr at the piano, will give a concert of "Latin Rhythms," this evening, at 8 p.m. in Berkner Hall.

Malavet-Blum of BNL's Director's Office, a performer in Manhattan and on Long Island, will sing popular Spanish-language songs, English songs with a Latin beat, and Spanish songs with English lyrics. Sam Carr, of BNL's Physics Department, has played for

choirs and singers all over Long Island. The concert is open to all. Buy tickets, at \$8, at the BERA Sales Office or at the door. Visitors over 16 must bring a photo ID.



Calico Winds, 10/8

All are welcome to the next noon recital, the Calico Winds wind quintet, five women who "shatter the stereotypical stodgy image of the conventional wind quintet." They will perform on Wednesday, October 8, in Berkner Hall.

The name "Calico" invokes the many colors and textures offered by the sounds of the ensemble. "They cross all the style lines and get away with it," comments the *Los Angeles Times*.

Noon recitals are free and open to the public. Visitors 16 and over must bring a photo ID.



Flamenco Concert, 10/12

Sol y Sombra will present "Encuentro Flamenco," a concert sponsored by BNL's Hispanic Heritage Club that will feature Spanish classical and Flamenco music and dance on Sunday, October 12, at 3 p.m. in Berkner Hall.

Maria Loretta, Gregorio DeSilva, Ricardo Santiago, Sofia Islam, and Miekko Seto will be performing with the *Sol y Sombra* principal dancers. Guest artist, classical Indian dancer Arti Datta, along with guitarist Arturo Martinez, Flamenco singer Dominic Caro, and other company dance members will be featured.

Concert tickets, at a cost of \$10 for adults and \$5 for children under 10, can be purchased at the BERA Sales Office in Berkner Hall, weekdays from 9 a.m. to 3 p.m. Seating is limited, so purchase tickets early. Tickets will not be sold at the door.

For more information, contact the BERA Sales Office, Ext. 3347; Carmen Narvaez, Ext. 3254, or narvaez@bnl.gov; or Omar Gould, Ext. 2656, or ogould@bnl.gov.

