

New Safety Plans Reach for High Goal BNL aims for registration in stringent health, safety standard



Roger Stoutenburgh 00302004

BNL Director Praveen Chaudhari (seated, center) is pictured with: (back, from left) Central Shops Division Manager Thomas Lambertson and Plant Engineering Division Manager Ed Murphy, and (seated) Assistant Laboratory Director for Environment, Safety, Health & Quality James Tarpinian, and Collider-Accelerator Department Chair Derek Lowenstein, who will lead their organizations in a pilot safety initiative.

At the request of Lab Director Praveen Chaudhari, four BNL organizations are embarking on a pilot program in a new safety initiative, which is aimed at preventing accidents by putting improved safety systems in place.

"To reach this higher safety level, we are going to make use of one of the best guides available, the Occupational Health & Safety Assessment Series 18001 [OHSAS 18001]," says Chaudhari. "Just as BNL achieved the globally recognized International Standardization's ISO 14001 in October 2001 and has become a place where people consider potential environmental effects as a top priority, we want the Lab to become a place where safety has the same top priority. This is the mind-set needed to qualify for registration in the OHSAS 18001. It is also the mind-set needed to go the extra mile to achieve our goal of safety for everyone on site. To prevent as many accidents as possible, we have set ourselves the aggressive goal of achieving registration by September."

The OHSAS 18001 standard was developed to be compatible with the ISO 14001 standard.

"In other words, we are not starting from scratch, but rather building upon standards that we already have in place," says James Tarpinian, Assistant Laboratory Director for Environment, Safety, Health & Quality, and leader of one of the four pilot programs. "This new initiative will allow us to integrate occupational health and safety management systems by building upon ISO 14001 and our Integrated Safety Management System (ISMS). Just one advantage of qualifying for the new standard will be our improved hazards analysis, which will benefit all BNL workers."

The four pilot organizations are: Central Shops Division (CS), Collider-Accelerator Department (C-A), Plant Engineering Division (PE), and the Environment, Safety, Health & Quality Division (ESH&Q). The kickoff begins in early March when audit teams will be formed to review the OHSAS 18001 requirements and

compare them to BNL management systems and procedures that are already in place.

Says Tarpinian, "We expect that we have already met most of the guidelines, but the audit team will provide us with a gap analysis so that we can move forward in a timely fashion."

This analysis will be the cornerstone for OHSAS 18001 registration. A preliminary review will be conducted in June, when lessons learned from the audit will be incorporated into the system, with the goal of achieving registration by September.

Says C-A Chair Derek Lowenstein, "Our department has a

worker safety committee and is already implementing most of the 18001 standards, so this will easily partner with our existing safety program. This system will assist us in achieving a best-in-class safety record."

PE Manager Ed Murphy states, "Plant Engineering hopes to achieve an injury-free workplace for all its employees. We have worked hard to address issues such as the removal of the snow and ice that account for many of the slips and falls on site. We are always open to suggestions that can help achieve a higher level of safety for all Laboratory workers."

Thomas Lambertson, CS Manager, adds, "Central Shops realizes how important it is to practice safety on a day-to-day basis. I have always encouraged an open dialogue with the Central Shops family regarding safety practices, and we welcome the opportunity to participate in the pilot program."

"BNL will be the leader in the DOE complex by achieving OHSAS 18001 registration for safety management systems. It's just a start, but a very important step in keeping each other safe," says Chaudhari.

— Jane Koropsak

For more information on OHSAS 18001 go to: <http://www.ohsas18001.occupational-health-and-safety.com/index.htm>. Safety suggestions are always welcome. Forward suggestions to Steve Hoey, Interim Manager, Safety & Health Services Division, Ext. 7936 or hoey@bnl.gov.

Cooling System at RHIC Successfully Re-engineered

Results in increased machine reliability, flexibility, \$\$\$ saved in power costs



Roger Stoutenburgh 00132004

Pictured with other members of the Relativistic Heavy Ion Collider's Cryogenic Groups who worked on the latest cooling-system upgrade are: Ahmed Sidi-Yekhleif (front, seventh from left), Dieter Zantopp (front,

second from right), Tony Nicoletti (front, fifth from left), Andy Warkentien (back, third from left), Anne Reuter (front, sixth from right), and Len Masi (front, forth from left).

The power consumption for the Lab's Relativistic Heavy Ion Collider's (RHIC) cooling system has been dramatically reduced to save the Lab \$2,600 in electrical costs for each day of operation, which translates to approximately \$455,000 for a six-month RHIC run. This savings, the result of an 18-month-long project, follows a power savings made in 2001, and has also increased the reliability and flexibility of RHIC operations.

The cooling system needs so much power because, in order to guide the gold ions on their path inside RHIC, the accelerator employs 1,740 superconducting magnets that are cooled to -452°F

(-273°C) using seven tons of helium. To chill the helium and remove the heat load at the operating temperature of -452°F, RHIC's helium refrigerator consumed more than 10 megawatts (MW) of electrical power when RHIC was commissioned in 1999. One megawatt is enough to power 1,000 homes.

In 2001, the power consumption was reduced to 9.3 MW by upgrades initiated by control system programmer Deiter Zantopp of the RHIC Cryogenic Controls Group (CCG) in the Collider-Accelerator Department (C-A). This year, the power consumption has been reduced to a level just above 7 MW.

"The project involved modifying the refrigerator system's 'control philosophy,' reducing the potential for oil contamination, and improving the design at the cold end of the refrigerator," said Project Leader Ahmed Sidi-Yekhleif, C-A. "We were fortunate to have support and advice from Rao Ganni and Dana Arenius of Thomas Jefferson Laboratory [TJL]," said Sidi-Yekhleif. "In the late 1970s, Rao was one of the lead engineers for the contractor that designed and built the refrigerator for the BNL ISABELLE project that was later adapted for RHIC. Then, in the 1990s, Rao and Dana developed a new control system,

which was used successfully to increase reliability and efficiency at TJL's Accelerator Division, and this system was helpful at RHIC."

According to Sidi-Yekhleif, the supply pressure for the RHIC refrigerator used to be kept constant by the control system regardless of the cooling demand from the accelerator rings. Now, with the improved design, the supply pressure for the refrigerator is constantly adjusted by the control system to meet the cooling demand and it is kept as low as possible to save energy.

During the RHIC shutdown in the summer of 2003, many

(continued on page 2)

Five BNLers Honored With Engineering Award

At the BNL Employee Recognition Award Ceremony on February 2, 14 Lab employees were rewarded with BNL's highest honors. Pictured below are the five winners of the 2003 Engineering Award, a \$5,000 prize given to recognize distinguished contributions in engineering and computing. Summaries of the winners' achievements follow on page 2.



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Pictured with BNL Director Praveen Chaudhari (back, second from left), Deputy BNL Director for Science & Technology Peter Paul (back, left), and Interim Deputy BNL Director for Operations Mike Bebon (back, right) are four of the five recipients of BNL's 2003 Engineering Award: (back) Carl Czajkowski, Nonproliferation & National Security Department; (front, from left) Joseph Tuozzolo, Collider-Accelerator Department; Phillip Kuczewski, Physics Department; and Stephen Boose, Physics. Awardee Swapna Mukherji, Plant Engineering Division, is inset in the photo.

NSLS-II Workshop, 3/15

All are invited to the NSLS-II Workshop on Monday, March 15, in Berkner Hall, with keynote address by Congressman Sherwood Boehlert, Chairman, House Science Committee. For more information or to register, see www.nsls2.bnl.gov/newsroom/workshops/2003/NSLS-II/Default.htm, call Ext. 2297, or e-mail nslsinfo@bnl.gov.

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 —

Mondays: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/.

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.

Monday & Friday: Jazzercise

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

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: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters

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

Tuesdays & Thursdays: Aerobics

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

Tuesdays & Thursdays: Aqua Aerobics

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

Tues. & Thurs: Upton Nursery School

9-11:30 a.m. in the Rec. Hall. For 3 & 4 year olds. Alison Tilt, Ext. 4465, or tilt@bnl.gov.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Cindy Otteman, 821-4482.

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: Dance Lessons

6-8 p.m., North Ballroom, Brookhaven Ctr. John Millener, Ext. 3853.

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.

March is Women's History Month

In celebration, the Women's Program Advisory Committee will hold a weekly CD raffle.

Free raffle tickets will be available at a display in Berkner Hall lobby.

— WEEK OF 3/8 —

Wednesday, 3/10

Rifle & Pistol Club Meeting

Noon, Conference Room, Bldg. 535. All are welcome to attend. Jim Durman, Ext. 8236, or www.bnl.gov/bera/activities/rpc/.

***Women's History Month Talk**

*Noon, Berkner Hall. Vivian Vilorio-Fisher, Suffolk County 5th District Legislator, will give a talk sponsored by the Women's Program Advisory Committee of the BNL Diversity Office. Susan Monteleone, Ext. 7235, or susanm@bnl.gov.

Tuesday, 3/11

***Nutrition Month Event**

Noon, Berkner Hall. "The Weight Debate: How to Take It Off and Keep It Off," part of the Health Promotion Program's "Nutrition Month" See notice, page 4.

Informal Writing Center Meeting

Noon, Berkner Hall, Room B. ESOL sponsors meeting to discuss a center for non-English-speaking scientists to get help with grammar, style. All welcome. Jennifer Lynch, Ext. 4894.

Five Honored With BNL Engineering Award

(cont'd.)

Stephen Boose



Research Engineer Stephen Boose, Physics Department, was named for having

designed, constructed, tested, and installed the low voltage (LV) power distribution system for the PHENIX experiment at the Relativistic Heavy Ion Collider. The PHENIX LV system, with over \$500,000 in installed value, is large and complex with space and noise constraints that made using a commercial system impractical. The system also had to be maintainable, reliable, and versatile to provide power to over 120 different types of subsystem components.

Boose is the sole engineer responsible for developing the elegantly designed system, which has been operating reliably for three years. This engineering accomplishment, carried out on a tight schedule, is recognized as being exemplary, especially considering that experiments of this scale and complexity generally have a team of engineers to work on them.

Boose is also responsible for PHENIX's rack control system, another example of his outstanding engineering skill and productivity. Boose originally joined the BNL Oceanographic & Atmospheric Sciences Division in 1992 to design and deploy environmental sensors for the ocean margins program.

Carl Czajkowski



Metallurgist Carl Czajkowski, who was nominated for the Brookhaven Engineering Award while in the Energy Sciences & Technology Department, is now in the Non-proliferation & National Security Department.

Czajkowski is recognized for his contributions in designing, commissioning, and now operating the Radiation Detection

The \$5,000 BNL Engineering Award recognizes distinguished contributions to the engineering and computing objectives of the Laboratory over one or more years. Contributions may be in any engineering or computing disciplines.

Test and Evaluation Center (RADTEC) radiation detector facility, which was constructed at BNL for the Department of Homeland Security. Czajkowski completed the conceptual design of the full-scale RADTEC facility in February 2003. Under his leadership, a Lab-wide team completed the design, construction, and commissioning of the facility in two months.

RADTEC now provides a standardized, technically defensible approach for benchmarking radiation detectors for homeland security and allows detectors to be compared for performance and ease of use. Since its commissioning, nearly ten thousand individual tests of detectors under real world conditions have been completed at RADTEC.

Czajkowski, who has worked at BNL for 24 years, is a recognized expert in the field of failure analysis and nuclear materials. He has approximately 50 peer-reviewed publications to his credit.

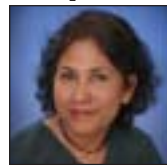
Phillip Kuczewski



Phillip Kuczewski, Technical Associate II in the Physics Department, is receiving the Engineering Award for his exceptional ingenuity and technical ability in engineering and fabricating advanced test equipment for electronic components of the STAR Silicon Vertex Tracker (SVT). He served as the lead electronics technician on the SVT construction project for five years, from 1996 until its completion in 2001. In this time, he successfully completed five major engineering projects, designing and developing sophisticated nonde-

structive, automated computer controlled test structures and their related diagnostic tools that overcame highly challenging technical problems. These efforts are recognized as having been essential to the successful and on-time completion of a significant component of STAR. The devices that Kuczewski created demonstrate an outstandingly high level of creativity and technical ability. Several, such as a fully automated probe test station, a multi-chip module burn-in station, and a fully portable test station that allows all SVT components to be tested in situ, are recognized as unique in design, and they are now used in other STAR projects.

Swapna Mukherji



Swapna Mukherji, Project Engineer I in the Plant Engineering Division,

has been a leader in developing and operating BNL's high voltage electrical system for two decades. For the past ten years, she has chaired the BNL Electrical Planning Committee, a critical responsibility because ample, reliable electricity is essential for operating BNL's research machines.

Mukherji serves as the technical liaison with LIPA and NYPA, BNL's electric utility suppliers, to provide engineering solutions to BNL's unique power distribution requirements and the local utility grid. She is the engineer in charge of maintaining the configuration diagrams for BNL's 13,800 and 2,400 Volt systems. She develops or reviews all power shutdown sequences and procedures, and calculates the protective trip settings on all high-voltage distribution break-

ers to ensure appropriate time-phased overload and short circuit protection.

An outstanding advocate for improving the safety of BNL's distribution system, Mukherji recently completed a \$6.8 million project to install new high-voltage cables, switches, and transformers that have significantly improved BNL's electrical distribution system's reliability and operability.

Joseph Tuozzolo



As Chief Mechanical Engineer for the Collider Accelerator (C-A) Department,

Joseph Tuozzolo has directed the design and development of mechanical systems and devices for the NASA Space Radiation Laboratory (NSRL) and for the Relativistic Heavy Ion Collider (RHIC), Alternating Gradient Synchrotron (AGS), Booster, LINAC, and Tandem accelerators. From his many outstanding contributions, he is recognized as combining exceptional mechanical engineering talents with superb organizational and leadership skills.

Tuozzolo is a major contributor to the new Spallation Neutron Source (SNS) Project under construction at Oak Ridge National Laboratory. In his role as SNS Ring Mechanical Systems Head, Tuozzolo has overall responsibility for the design, fabrication and delivery of magnets, and vacuum system and collimators, which have an estimated budget of over \$51 million.

In addition to his department-wide responsibilities and his role at the SNS, Tuozzolo serves as group leader for the C-A Mechanical Systems Group and the C-A Cryogenic Systems Group. Under his direction, major upgrades have been accomplished by these groups within budget and with minimal impact on accelerator system operations. — Liz Seibert

Service Awards

The following employees celebrated BNL service anniversaries during January 2004.

35 Years

Joanna Fowler Chemistry
Leroy James C-A

25 Years

Andrew Sandorfi Physics
Joyce Wund HR&OMC
Richard Gagliardi Plant Eng.
James Forkin ES
Carl Holmstrom Ctrl. Shops
Robert Kaszuba PPM
Robert Lehn C-A

20 Years

Jan Hrbek Chemistry
Thomas Nehring C-A
Laura-li Loffredo Biology

10 Years

Edward Beebe C-A
Thomas Doyle ERD
Corene Wood ISD
Denise DiMeglio HR&OMC
Bernard Yatauro C-A
Ernest Lewis Env. Sci.
Donna Occhiogrosso NNS
Deepak Raparia C-A
Robert Van Wormer C-A
Lucian Wielopolski Env. Sci.

RHIC Cooling System Re-engineered

(cont'd.)

changes were made to the refrigerator system. The CCG, led by Anne Reuter and technical supervisor Len Masi, continued upgrades to improve system reliability, and Zantopp reprogrammed the control system to the new philosophy. The Cryogenic Operations Group, led by cryogenic engineer Tony Nicoletti and technical supervisor Andy Warken-tien, did multiple piping changes on both the warm and cold ends of the refrigerator to improve system reliability and efficiency and reduce helium contamination.

Said Sidi-Yekhlief, "This project has not only resulted in significant power savings, but in an increase in RHIC's reliability and flexibility as well." Because the compressors are no longer operating at higher pressures and power levels, he explained, they will last longer. The con-

trol system is now better able to handle transient occurrences, such as magnet quenches, which occur when a superconducting magnet goes into "normal conducting" and deposits heat energy into the cooling system, that result in higher heat loads for the refrigerator. The system also runs with fewer components on line further increasing its reliability.

"The work of the RHIC Cryogenics Group is far from complete," Sidi-Yekhlief said. "We are looking to incorporate new equipment into the 30-year-old refrigerator system as part of a Phase III program that has just begun." Sidi-Yekhlief expects the next phase to lead to another reduction in power consumption and to increase machine reliability and flexibility even further. —John Galvin

Tax Assistance for Visitors, 3/12

The Quality of Life/BERA/Recreation office will present a "Tax Assistance for Visiting Foreign Nationals" workshop on Friday, March 12, at noon in the Recreation Hall, Bldg. 317. The presentation will be given by Mark Israel, Fiscal Officer. For registration and information, contact Christine Carter, Ext. 5090.

Arrivals & Departures

Arrivals

James Abbott SSD
Noelle Cuomo Biology
Mark Dierckxsens Physics
Brian Quinn OMC
Qi Wang NSLS
Youwen Xu Chemistry

Departures

Susan Hatzel NSLS
Yakov Kotlyar C-A
Samantha Lin Quality Mgmt.
Costas Magoulas C-A
Hong Piao Chemistry

Smoking Cessation: On-Site Program

The Occupational Medicine Clinic's Health Promotion Program is sponsoring an on-site smoking cessation program to run for six consecutive weekly sessions, noon-1 p.m., in the large conference room in Bldg. 490, beginning on Tuesday, March 23. BNLers, their spouses, and family members are welcome to register. To register, or for more information, contact Michael Thorn, Ext. 8612, or mthorn@bnl.gov.

BNL Writer Diane Greenberg Wins Grand Prize of Weekend at Sundance

"The whole weekend was a fantasy — they treated us like movie-stars!" said Diane Greenberg, a writer in BNL's Media & Communications Office. Greenberg was describing her experiences at the 2004 Sundance Film Festival, where, as one of the two grand prize winners of a competition run by a Sundance sponsor, Andersen Windows, she and her husband Bill Greenberg of the Biology Department had spent an all-expenses-paid three days and nights.

Greenberg had won the prize by entering an Andersen Windows competition that asked entrants to take a photo of a view from their window and describe how it inspired them.

"I like the view from our kitchen window, and the fall colors made it extra attractive," she said. "So, I took a snapshot with my automatic camera, wrote a description of all the memories that inspire me when I look out, mailed it, and forgot it. Ten days before Christmas, I got a FedEx envelope containing the news that I had a winning entry. But, in addition to the Sundance weekend, there were two Home Depot gift certificates as prizes. I still didn't know what I'd won."

A few days later, a phone message gave Greenberg the answer: Sundance!

"They told us that several thousand people had entered, so I was quite surprised to win," said Greenberg. "I was thrilled. Bill and I love going to films and this was something we had wanted to do."

The trip started with a hitch — the Greenbergs' Friday, January 16 flight departure was delayed — and they missed a connection and had to wait four hours in Chicago. "But luckily, we knew ahead how much time we had," said Greenberg. "We took a train into the city and had lunch at a wonderful restaurant, 'Petterino's.' On the way back, we talked for a long time to a very interesting man who invited us to go and see him whenever we returned to the area — and he turned out to be the conductor of the Chicago Symphony Orchestra!"

On arrival at Park City, Utah, the Greenbergs were taken to the comfortable Deer Valley Ski Lodge, where several movie stars were staying, including Ben Affleck and Willem Defoe. "Of course, in the daylight next morning, we looked out of the window," said Green-



Diane Greenberg

berg. "We had a great view of skiers on the slopes."

Although their late arrival meant that they had missed the first dinner arranged by Andersen, there was still time that evening to attend the first of four premiere films they were to see, *Employee of the Month*. The next day, they saw *The Saddest Music in the World* and *The Butterfly Effect*, and on Sunday, they saw *The Clearing*.

"It was such a glamorous atmosphere," said Greenberg. "The whole town had a feeling of excitement and energy." Many stars were present at their films, such as Isabella Rossellini at *Saddest Music*, and some answered questions afterwards. "We heard Robert Redford talking about *The Clearing*, Ashton Kutcher about *Butterfly*, and Matt Dillon on *Employee of the Month*."

The winners were also given passes to special venues such as the Music Café in Park City, where they heard Edie Brickell, who has just released a new CD, the first in ten years, said Greenberg. "As she sang, there we were, only ten feet away." On Sunday, they also attended a "Producers' Brunch," where Ross Katz, co-pro-

Greenberg's Winning Entry

It's autumn now, and, as I peer out the window in my kitchen, I see an empty patio, desolate, if it weren't framed by a canopy of red, gold and green — surrounding woodlands we were careful to preserve when my husband and I built our house on this lush parcel of land on the north shore of Long Island. The blooms of summer are fading now, but the memories still flood my mind. Our daughter's high school graduation party took place on this patio a decade ago. Then numerous parties followed: our daughter's graduation from college, my Mom's and husband's birthdays each year, which fall in June and August; numerous barbecues, from fancy (filet mignon for the boss) to burgers and franks for everyday friends.

I love my patio. It's surrounded with the beauty of nature, but, most important, it's filled with memories of the people we share it with: family, friends, neighbors. My view of it inspires me to celebrate life — to plant more flowers, to plan more parties, to enjoy nature, family and friends, to wait for the summer — and the sunny days that I can count on — after the cold, dark winter.

Roger Stoulenburgh 00140204



ducer with Sophia Coppola of *Lost in Translation*, talked about the hair-raising early history of the film, which had started life as an \$80,000 charge on his credit card.

One of the great highlights of the trip was a very special "Inspired Dinner" with the Andersen Windows CEO Jim Humphrey, at the Andersen InHome, a brand-new, 6,000 square-foot house built on a mountain top overlooking Park City. The house was designed to show the creative, inspirational use of windows in the home, "and it lived up to anything you could dream of," said Greenberg. "Some windows turned

into TV screens, and a wall of glass changed from clear to opaque at the flip of a switch. It was amazing."

Just as amazing was the dinner itself, reported Greenberg. The chef was Benjamin Ford, Harrison Ford's son, who has the "Chadwick" restaurant in Hollywood. He provided "the best food I've ever tasted," she declared. To read all about the menu, see an upcoming *Food & Wine* journal, where the meal is soon to be featured.

Looking back, "It was a wonderful time," she said. "And we'll certainly always feel that Andersen windows are the best in the world!" — Liz Seubert

Women's History Month Event

Viloria-Fisher, Suffolk Legislator Gives Talk on Wednesday, 3/10

March is Women's History Month, and to help celebrate this year's theme, "Women Inspiring Hope & Possibility," join Vivian Viloria-Fisher, Suffolk County 5th District Legislator, on Wednesday, March 10, at noon in Berkner Hall for a presentation sponsored by the Women's Program Advisory Committee of the BNL Diversity Office.

Viloria-Fisher won her position as Honorable Legislator after winning a special election for 5th District in Suffolk with the widest margin ever occurring in a special election. She is currently Vice Chair of the Suffolk County Legislature's Ad Hoc Committee on Affordable Housing.

All are welcome to attend this free talk. Visitors to the Lab of age 16 or older must carry photo ID.

For more information, contact Susan Monteleone, Ext. 7235, or susanm@bnl.gov.

Daffodil Days

BERA will again be selling daffodils to benefit the American Cancer Society. A bunch of ten fresh cut flowers is \$7. Pick up your spring bouquet during the week of March 22.

Paid reservations are being taken at the BERA Sales Office, Bldg. 488, Monday-Friday, 9 a.m.-3 p.m.



Summer Camp Expo, 3/18

On Thursday, March 18, a Summer Camp Expo will be held in Berkner Hall, 11 a.m.-1:30 p.m. Local Long Island summer camps will be available to talk about their summer opportunities and provide facility and registration information to BNL employees and guests. For more information, contact Susan Foster, Ext. 2888.

NYC Bus Trip, 3/13

The Hospitality Committee invites visitors, guests, and their families, and employees to join a bus trip to New York City on Saturday March 13. The bus will depart at 9 a.m. from the Recreation Hall and return at 6 p.m. Reserve places with Violetta Bajanova, 744-5762 or eidelman@bnl.gov. Buy tickets: adults \$10; children 2-12, \$5; on Tuesday, 3/9, 10:00 a.m. at the Recreation Hall, and Wednesday, 3/10, noon-1 p.m. in Berkner Hall lobby.

Calendar

(continued)

Friday, 3/12

*Tax Assistance for Foreign Nationals

Noon, Rec. Hall, Bldg. 317. The Quality of Life/BERA/Recreation Office is sponsoring a "Tax Assistance for Visiting Foreign Nationals" workshop. The presentation will be given by Mark Israel, Fiscal Officer. For registration and information, contact Christine Carter, Ext. 5090.

Saturday, 3/13

*Hospitality Bus Trip to New York City

The bus will depart at 9 a.m. from the Rec. Hall and return from the city at 6 p.m. Make reservations with Violetta Bajanova, 744-5762 or eidelman@bnl.gov. Tickets: adults \$10, children 2-12, \$5, can be paid for on Tuesday, March 9, 10:00 a.m. at the Rec. Hall, and on Wednesday, March 10, noon-1 p.m. in Berkner Hall lobby.

— WEEK OF 3/15 —

Wednesday, 3/17

BSA Noon Recital, Pianist Valdes

Noon, Berkner Hall. Pianist Christina Valdes has presented concerts at venues including Carnegie Recital Hall, Merkin Hall. All are welcome to this free recital.

392nd Brookhaven Lecture

4 p.m., Berkner Hall. Helene Benveniste, BNL Associate Laboratory Director for Life Sciences, will talk on, "Experimental Multi-modality Imaging: What Imaging Can Tell Us About Diseases."

Thursday, 3/18

*Summer Camp Expo

11:30 a.m.-1:30 p.m., Berkner Hall. Local Long Island summer camps will display information on summer camp opportunities, Susan Foster, Ext. 2888.

*Nutrition Month Event

Noon, Berkner Hall. "Exercise and Nutrition: Shattering the Myths," will be given by Jennifer Gatz, Exercise Physiologist, sponsored by CIGNA. For more information, see page 4.

BERA Bridge Club

7 p.m., Brookhaven Center, South Room. Morris Strongson, Ext. 4192, mms@bnl.gov.

Friday, 3/19

*The Mentalist

7:30 p.m. Berkner Hall. Gerry McCambridge will demonstrate his uncanny ability to read people's actions and determine their innermost thoughts. Buy tickets at \$10 at the BERA Store. Doors open at 6:30 p.m. Cash bar, limited snacks. Christine Carter, Ext. 5090.

Saturday, 3/20

*Blues Concert

8 p.m., Berkner Hall. Joe Vicino & the Smokedaddys and the Dare Ya Blues Band. All welcome, tickets \$10 in advance at BERA Store. See notice, page 4.

WEEK OF 3/22

Monday, 3/22

BWIS Talk

Noon, Berkner Hall, Room B. In honor of National Women's History Month, Brookhaven Women in Science (BWIS) will sponsor a talk by Mary Eisenstein of Chrysalis Enterprises, a company that specializes in training and motivational seminars, on "Effective Communication." All are invited. More information on the talk will appear in a future Bulletin.

Saturday, 3/27

*Darbari, Indian Dinner Concert

5:45 -10:30 p.m. Berkner Hall. After dinner, acclaimed Indian musicians perform the court music of India. For more information, including ticket cost, see page 4 and www.sas.upenn.edu/~aminer/darbari.html.

— WEEK OF 4/12 —

Friday, 4/16

Women In Concert

7:30 p.m., Berkner Hall. Sponsored by the BERA Music Club with host Yvette Malavet-Blum, a popular cabaret singer who works at BNL. The concert will also feature singer-songwriters Robin Greenstein and Cathy Kreger. Tickets cost \$12 and can be purchased at the BERA Store in Berkner Hall.

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.

Blues Concert, Saturday, 3/20, 8 p.m.

Sponsored by the BNL Music Club

Joe Vicino & the Smokedaddys The Dare Ya Blues Band in 'Meeting at the Crossroads' at Berkner Hall

Open to the public. All visitors age 16 and over must bring photo ID. Tickets: \$10 each in advance, \$15 each on show day. Buy at BERA Sales Office, weekdays, 9 a.m.-3 p.m. or through Web sites www.smokedaddys.com or www.dareyablues.com.

Get more information at Ext. 3846 or the BNL Music Club Web page at www.bnl.gov/bera/activities/music/.

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.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates. MK4090. **POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemical physics or physical chemistry and some experience in the following: laser spectroscopy, chemical dynamics, molecular beam vacuum technique, computerized data acquisition and analysis. Experience with CW ring laser or high resolution ns OPO experience is desirable. Research is with the Gas Phase Molecular Dynamics Group which performs basic research in unimolecular and bimolecular reactions and energy transfer processes with application to problems in combustion chemistry. Current topics of interest include product correlations as a probe of energy flow in dissociating molecules, state-resolved studies of collision-induced electronic transitions and reactions occurring on more than one electronic state. Under the direction of G. Hall. Chemistry Department.

NS3174. **TECHNOLOGY ENGINEER (I-6)** - Requires a bachelor's degree in information technology, physics or closely related field and three years' experience in supporting a significant user community. Knowledge of and experience with Linux and Solaris or AIX system administration, including networked file systems and other distributed computing tools are required. Experience in configuring and tuning systems for reliability, robustness and the performance of peripherals and the network is highly desirable. Experience with large-scale RAID systems, robotic tape systems, large farms of Linux processors, and facility level experience in cyber security are all desirable as is familiarity with modern software development technology and tools and experience in supporting of a scientific community. Responsibilities will include participation in the development and operation of computing facilities designed to satisfy the data processing needs of large particle physics detectors. Physics Department.

Motor Vehicles & Supplies

- 03 TOYOTA COROLLA - a/t, a/c, silver, excel. cond., 27K mi., \$11,200. Ext. 7160.
- 01 YAMAHA ROADSTAR SILVERADO - 1600cc, windshield, saddle bags, red/brown, excel., 5.5K mi, \$8,000. Peter, 645-5844.
- 99 TOYOTA CAMRY LE - a/t, a/c, p/s, p/b, p/w, sunroof, abs, keyless ent., gd. cond., 2 air bags. 58K mi., \$9,600. Ki-in, Ext. 5713.
- 97 FORD TAURUS GL - a/t, a/c, p/s, p/b, p/w, new battery & tires, runs well, 67K mi., \$5,400. Yoshio, Ext. 4635 or 344-1160.
- 97 NISSAN ALTIMA - a/t, a/c, p/s, p/b, p/w, well maintained, 126K mi., \$3,000. Laurie, 834-9648.
- 96 CHEVY BLAZER - a/t, a/c, p/b, p/w, 4x4, leather int., cd, new tires, 111K mi., \$5,200. Nancy, Ext. 4303.
- 95 MUSTANG GT - a/t, p/s, p/b, 8cyl., am/fm/cd, new tires, 85K mi., excel., \$4,000/neg. Cynthia, Ext. 3084 or 516-807-3438.

95 TOYOTA COROLLA SEDAN - 5spd, a/c, p/s, blue, 4dr., 127K, excel. cond. mechanically & in appearance, \$2,800. John, Ext. 5283.

94 FORD RANGER PICKUP - runs v. well; new battery, clutch, & timing belt; includes cap & bedcover; ask \$2,100. 680-8445.

93 CAMARO Z28 - a/c, p/s, p/b, p/w, 6 spd, newly painted red, excel. cond., 98K mi., \$8,500. Darlene, Ext. 4685 or 587-2385.

94 MAZDA 626 - a/t, a/c, p/s, p/b, p/w, light blue, 4 new tires & brakes, excel. cond., 110K mi., \$3,250. Jim, Ext. 5018 or 335-9007.

93 HONDA PRELUDE - 5-spd, a/c, p/s, p/b, p/w, 28mpg, pwr. s/roof, new tires, batt.; excel., 101K mi., \$4,700. Ext. 4453 or 924-6105.

91 NISSAN 240SX - 5-spd, everything works, new exhaust, battery, tune-up, filters, 136K mi., \$1,445. Victor, Ext. 2271.

90 HONDA ACCORD EX - 5-spd, p/w, pwr. s/roof, garaged, excel., new tmg. belt, water pump, tires. \$3,500. Ext. 2165 or 929-6610.

90 JEEP WRANGLER - a/t, p/s, p/b, hard & new soft top, rebuilt tranny, exhaust, brakes, tires, 190K mi., \$3,000. Sonya, 236-2315.

86 MAZDA RX7 - 5-spd, a/c, p/s, red, body in gd. shape, runs, needs work, high mi., \$300. Betty, Ext. 3562 or 758-2653.

81 FORD BRONCO - a/t, 4x4, rebilt. Mustang 302 motr., 6" lift, 35" Swmprs, new rotors, pads, 60K mi., \$1,600/neg. 744-5065.

37 FORD 1/2 TRUCK - no body, fenders, rad., frame, V8 flat hd, ft & rr axles, mi. unknown, \$200. Peter, Ext. 3981.

CARPET - 1964 Pontiac GTO carpets, full int., unused, in orig. box, \$25. Bert, Ext. 5474.

DRIVER SIDE DOOR - fits 90-92 Toyota/Corolla, gd. cond., \$75. Wuzheng, Ext. 2120.

Boats & Marine Supplies

22' CRUISER, INC. BARNEGIT - w/trailer, rebuilt Chevy 350 I/O, new parts, rebuilt outdrive, mint. \$7,000. Paula, 516-798-2599.

13' BOSTON WHALER - '72 Merc., 40 hp, 4ch/2 carb, short shaft, blue hull, cust. seats, Telex steering, ask \$6,500. Susan, Ext. 4931.

Furnishings & Appliances

CURIO CABINET - 21"W x 9"D x 72"H, dark brown wood, mirror back w/three glass shelves, ask \$50. Kevin, Ext. 6185.

DESK LAMP - \$5. Morris, Ext. 4192.

DINING ROOM - glass table w/6 chairs ext. to 10', \$700; china closet, \$300. tables: 2 end, \$40/ea; coffee: \$60. Peter, 588-4193.

ENTERTAINMENT/AUDIO CENTER - oak, mint, 63wx54hx22d, pocket drs. glass drs., 5 shelves, \$325. Ext. 4627 or 928-6469.

FRAMED BOTANICAL PRINTS - gold, 15"x18", matted, \$65/set of 3. Karen, Ext. 4262.

REFRIGERATOR - s/s, stove, microwave, call for prices, Leroy, Ext. 5105 or 286-1615.

BED FRAME - Little Tikes sports car twin bed, storage in front hood, shelves on back fin, red frame PVC, \$80. Joseph, Ext. 2023.

BEDROOM SET - Colonial dark pine headboard, triple dresser & mirror, chest & 2 night stands, \$400. Mike or Kathi, 399-0325.

BUNK BED SET - wood, disassembled, only 1 mattress set, easily lofted, cannot be sep. into 2 beds. \$50. Ext. 5896 or 744-0960.

CHAIR - w/lg. matching ottoman, overstuffed, beautiful tapestry, new \$950, ask. \$250. Betty Ann or Richard, 475-4199.

CHAIR - Qu. Anne, w/ottoman, tapestry fabric, cherry arms & legs, \$250; sofa, trad., dk. green, \$200. Sheryl, Ext. 4400 or 689-7725.

CHINA CABINET - lighted int., \$250; buffet, \$250; much more, http://photos.yahoo.com/see_stuff_4_sale. Ext. 5896 or 744-0960.

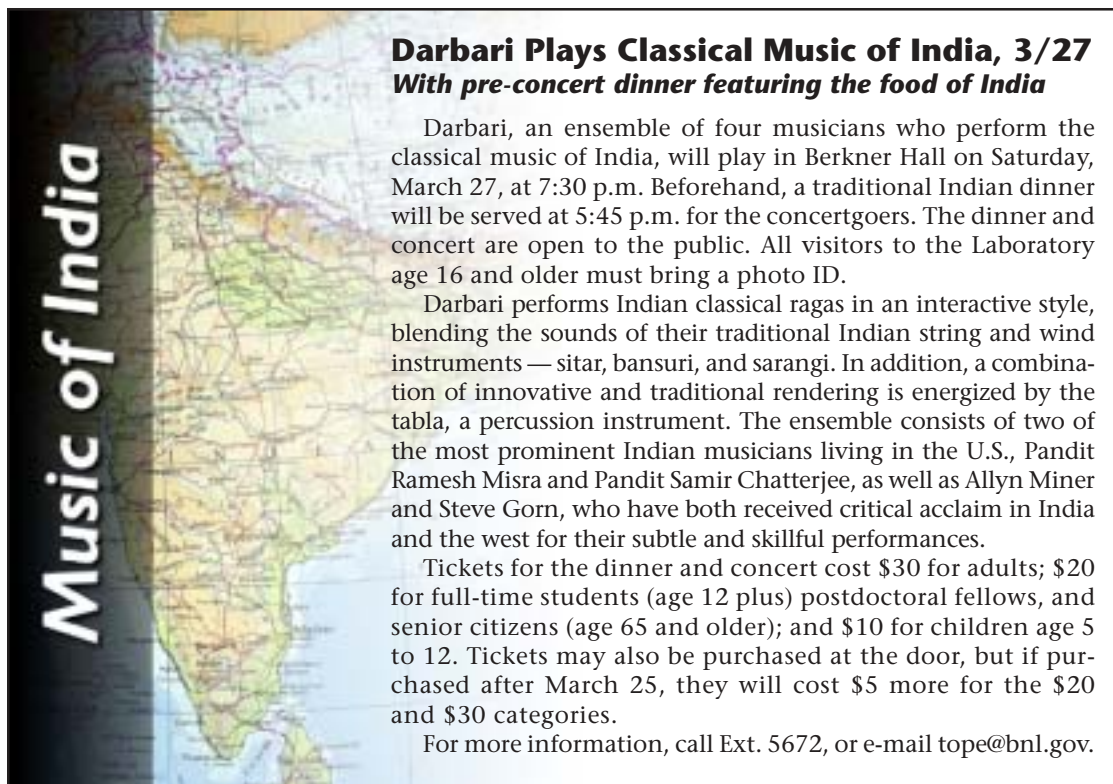
COUCH - 2 sections w/end lounge chairs, mauve/gray/white, gently used, gd. cond., \$800. Mary, Ext. 6344.

COUCH - Victorian, excel. cond., will email picture if interested, \$500. Donna, Ext. 2826.

DESK & TABLE - 2" wood slat platform, 33"x60" on black removable 30" h cast-iron stands, \$50. JK, Ext. 5080 or 751-1884.

DINING SET - oak table w/self-storing leaves, 34x60, 6 chairs, \$500; Futon bunk bed, \$400. Heather, Ext. 3071 or 929-4886.

DRYER - Roper elec. clothes dryer, xlg. capacity, gd. cond., \$125/neg. Greg, Ext. 7810.



Darbari Plays Classical Music of India, 3/27 With pre-concert dinner featuring the food of India

Darbari, an ensemble of four musicians who perform the classical music of India, will play in Berkner Hall on Saturday, March 27, at 7:30 p.m. Beforehand, a traditional Indian dinner will be served at 5:45 p.m. for the concertgoers. The dinner and concert are open to the public. All visitors to the Laboratory age 16 and older must bring a photo ID.

Darbari performs Indian classical ragas in an interactive style, blending the sounds of their traditional Indian string and wind instruments — sitar, bansuri, and sarangi. In addition, a combination of innovative and traditional rendering is energized by the tabla, a percussion instrument. The ensemble consists of two of the most prominent Indian musicians living in the U.S., Pandit Ramesh Misra and Pandit Samir Chatterjee, as well as Allyn Miner and Steve Gorn, who have both received critical acclaim in India and the west for their subtle and skillful performances.

Tickets for the dinner and concert cost \$30 for adults; \$20 for full-time students (age 12 plus) postdoctoral fellows, and senior citizens (age 65 and older); and \$10 for children age 5 to 12. Tickets may also be purchased at the door, but if purchased after March 25, they will cost \$5 more for the \$20 and \$30 categories.

For more information, call Ext. 5672, or e-mail tope@bnl.gov.

RANGE - General Electric, 30" white elec., excel. cond., \$75. Jim, 467-7556.

RUG - Aubusson design, 5'3"x7'9", wool, Chinese made, rose & blue design on ivory, excel. cond., \$100. Joyce, 289-5770.

WASHER/DRYER - elec., 2 yrs. old, \$750/new, ask. \$400/set. Veronica, 654-5494.

Tools, House & Garden

GARAGE DOOR - 8'x16' fiberglass, complete w/dr. opener, excel. cond., \$250. Rich, 589-9103.

POWER TOOLS - Delta wood shaper, radial arm saw w/stand, Craftsman Jointer, belt/disk sander on stand. John, 286-8582, eves.

Sports, Hobbies & Pets

AIR HOCKEY TABLE - almost new, 35"x70", \$130. Warren, Ext. 2080 or 751-5245.

AQUARIUM - 20 gal. glass w/lid, brand new, \$20. Susan, Ext. 4931.

BICYCLE - men's 12-spd, rarely used, ask. \$150, you pick up, Bob, 924-2012.

GOLF BAG - w/rain cover, blk., gray & red, excel. cond., \$75. Peter, Ext. 5282.

SKIS, PUPS - Ross. Sport w/poles & ski, \$75; ski boots, sz. 13, \$50; Beagles, 6 mo. old, 1 male, 2 females, trained to hunt. 265-6542.

TREADMILL & SIT-UP BENCH - Walkfit by NordicTrack, w/ arm rowers, \$200; weight bench w/free wghts & 2 bars. \$20. 821-2530.

Audio, Video & Computers

AUDIO STAND - blk., immac., \$100. Ext. 2900.

PC - E-Machines 400 Mhz Celeron, 64MB RAM, 6.4GB HD, Win98, E/net, mdm, 15" mon. \$165/all. Setup avail. Gary, Ext. 2550.

PRINTER - Lexmark 3200, color, excel. cond., \$20. Lloyd, Ext. 5225.

RECORDER - 4 track, Tascam, professional quality, model 133B w/ manual & all accessories, still new in box. \$250. Peter, Ext. 2913.

TV - 25" Sharp Linytron color, works well, \$50. Steve, Ext. 4627 or 928-6469.

PC, TV, VCR, ETC. - stereo, \$89; m/wave, \$69; 20" TV, \$79; Pentium 200MHz, 15" mon., \$99; A/C, \$29, Ext. 4353 or 267-738-2590.

Miscellaneous

BABY'S - elec. breast pump, clean & sterile, \$50; Evenflo Exersaucer, \$25, swing, \$30; bassinet, \$25, Joe, Ext. 2215 or 689-0415 eves.

MODEL LOCOMOTIVE SCALE - brass, HO, N2, built in 1950s, new in box, \$275. Harold, 732-2236.

SHAMROCK PINS - blinking, great for St. Patrick's Day. Mike, Ext. 5262

SHREDDER - Chipper, electric, unused, \$95; microwave, great cond., \$50. Joe, Ext. 3783 or 929-8321.

TICKETS - *Thoroughly Modern Millie*, NYC B'wy show, 3/27, 2 p.m., 4 tickets, \$80/ea., Orch, row G. Steve, Ext. 4305 or 821-6910.

PROFESSIONAL BEAUTY SALON EQUIP. - chair, sink, mirror, unit w/shelf, perm rods, \$200. John, Ext. 5283.

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

Car Pools

Looking to join a car pool from the North Fork, Mattituck, Southold & Greenport. Ed. Ext. 5360 or 477-8117.

Existing car pool looking for 4th person. Meets in Westbury or Plainville for 8 a.m.-4:30 p.m. shift. Ron, Ext. 6068.

Free

DOG - 2 1/2 y.o. champagne-colored, fixed poodle, good lap dog. Tina, 744-0531.

SOFA BED - gd. cond. Harold, 732-2236.

Attn.: BREA Members — Keep in Touch

Brookhaven Retired Employees Association (BREA) sent out a newsletter recently, dated 2/17/2004. Some members may not have received it because they are not in the BREA database, due to computer disk problems with the BREA computer a year or two ago. Any BREA member who did not get the newsletter, send BREA your name, address, phone number, e-mail address (if available). Send information by e-mail to tichler@bnl.gov, or by mail to: BREA, BNL, Building 475C, Upton, NY 11973-5000.

TV - 20" Sony color, gd. picture tube but intermittent tuner, can be used for video games. Subhash, Ext. 4762 or 696-4608.

Wanted

SHOTGUN - model 870 in 410Ga., Joe, Ext. 3783 or 929-8321.

DANCERS - & clappers for Filipino Tinikling bamboo dance. Practice Tuesdays, 5 p.m. Bkhvn. Ctr. Marie, Ext. 4727 or vanburen@bnl.gov.

OPTIMIST DINGHY - for beginning racer. Paul, Ext. 7577.

FISH TANK - 55 gal. in gd. cond. w/accessories for 12 yr. old, reasonably priced, will pick up. Claudia, Ext. 3467 or 874-4379.

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

Community Involvement

BNLer Anna Seda, will cycle 100 miles 5/16/04 to benefit Leukemia & Lymphoma. I must raise \$4,000. If you can donate \$25, more or less, please contact me, aseda@bnl.gov.



Stay Healthy With Nutrition Month Events

To celebrate March as Nutrition Month, the Human Resources/Occupational Medicine Division's Health Promotion Program will present:

The Weight Debate: How to Take It Off and Keep It Off

Thursday, March 11, Noon, Berkner Hall

Amy Shapiro, R.D., C.D.N, President, NutriSense, Inc., will talk about the pros and cons of some popular diet plans and how to achieve dieting goals. This talk is free but pre-registration is requested. Check your mailbox for registration forms.

Exercise and Nutrition: Shattering the Myths

Thursday, March 18, Noon, Berkner Hall

Talk by Jennifer Gatz, Exercise Physiologist, sponsored by CIGNA, this talk is free but pre-registration is requested.

SOAR Exercise Program Begins 3/15

The Start Over and Renew (SOAR) Program is a ten-week exercise program, starting Monday, March 15, that is designed to help individuals set and reach personal fitness challenges and learn more about health awareness. SOAR participants will complete the program at their own level and will receive a wellness log book to track progress.

Participants will receive: each week, an activity challenge and a "stepping stone" activity designed to help create and maintain a healthier lifestyle; and, each month, the SOAR Newsletter, containing tips on health topics and wellness challenges and ideas. To participate, fill out the registration form that was sent to all employees and return it to Linda DiPierro, Bldg. 490. For more information, contact Michael Thorn, Ext. 8612.

BERA Trips in Store

Among many items for sale at the BERA Store in Berkner Hall, tickets for trips to several Broadway shows and discounted tickets for Great Adventure are available now. Visit weekdays, 9 a.m.-3 p.m.