

Two BNL Scientists Named Fellows of the Optical Society of America

BNL scientists Ralph James and Trevor Sears were named Fellows of the Optical Society of America (OSA). Limited to ten percent of the total OSA membership, Fellows of the organization have served with distinction in the advancement of optics. The two scientists will each receive a Fellow plaque and a pin at an OSA meeting in San Jose, California, in May 2008.

Ralph James

Ralph James was recognized for "exceptional technical accomplishments and leadership leading to advances in nonlinear optics and optoelectronic sensors for lasers, spectroscopy and imaging."

James studies how the properties of semiconductors change when exposed to intense laser pulses. His data are used to make infrared lasers work effectively for a wide variety of applications, from medical to military. This research also involves the use of high-intensity laser pulses to thermally process semiconductor crystals for producing solar cells. In related work, James developed a new class of small, solid-state

radiation detectors that can efficiently detect both x-rays and gamma rays at room temperature. They can also identify



Roger Stoutenburg D1081107

After earning a Ph.D. in applied physics from the California Institute of Technology in 1980, James was a Eugene P. Wigner Fellow at DOE's Oak Ridge National Laboratory, 1981-84. He then joined the technical staff of DOE's Sandia National Laboratories, and in 2001, he came to BNL as the Associate Laboratory Director for Energy, Environment & National Security. In January 2008, he returned to research to focus particularly in areas of his special expertise, such as detection.

James's numerous awards include *Discover* magazine's 1997 "Innovator of the Year" award in the field of imaging. He is a four-time winner of *R&D Magazine's R&D 100 Award*, which honors the top 100 inventions of the year, and co-winner of one of the "World's 50 Best Technologies" awards, from the National Association for Seed and Venture Capital Funds, and has received many other invention and technology awards.

specific isotopes responsible for the radiation. These detectors are used in a variety of applications, including medical imaging, nuclear nonproliferation, environmental monitoring, and nuclear and space sciences.

James holds nine patents, has authored or co-authored more than 350 scientific publications, and has edited 18 books.

spectroscopy of transient species through the invention of new techniques for their study, thereby obtaining valuable information about these transients."

Sears uses laser spectroscopy to study molecules in chemical reactions involved in burning hydrocarbon fuels. Measuring how the molecules absorb and emit light helps to decipher their structures, while determining the amount of light a sample absorbs at a particular wavelength reveals the quantity of an absorbing molecule in the sample. The long-term benefits of this research are a deeper understanding of the chemistry of combustion and cleaner and more efficient use of hydrocarbon fuels.

Sears earned a Ph.D. in chemistry from Southampton University, England, in 1979, and he was a research fellow at Bell Telephone Laboratories from 1979 to 1980. He then joined the National Research Council of Canada, working as a research associate until 1983. In that year, he became a staff scientist at BNL, rising to become a senior chemist in 1995. Sears holds a joint appointment, working half time at Brookhaven and half time as a professor of chemistry at Stony Brook University.

— Diane Greenberg



Roger Stoutenburg D1081107

He is a Fellow of the American Association for the Advancement of Science, American Physical Society, Institute for Electrical & Electronic Engineers and the International Society for Optical Engineering.

Trevor Sears

Trevor Sears was recognized "for advancing the molecular

experimental trembling aspen forest in Rhinelander, Wisconsin. That forest is outfitted with a series of rings made of large pipes that can pump a controlled amount of CO₂ (or other gases) into the air to artificially mimic expected environmental changes in an otherwise open-air environment. This and other similar "free-air carbon dioxide enrichment" (FACE) facilities around the world were developed by DOE to help estimate how plants and ecosystems will respond to increasing CO₂. Before FACE, much of what scientists knew about plant and ecosystem responses to rising CO₂ came from studies conducted in enclosures, where the response of plants is modified by their growth conditions.

Main findings

There were no differences in total abundance of bacteria or eukaryotic microbes (those with nuclei, such as fungi and

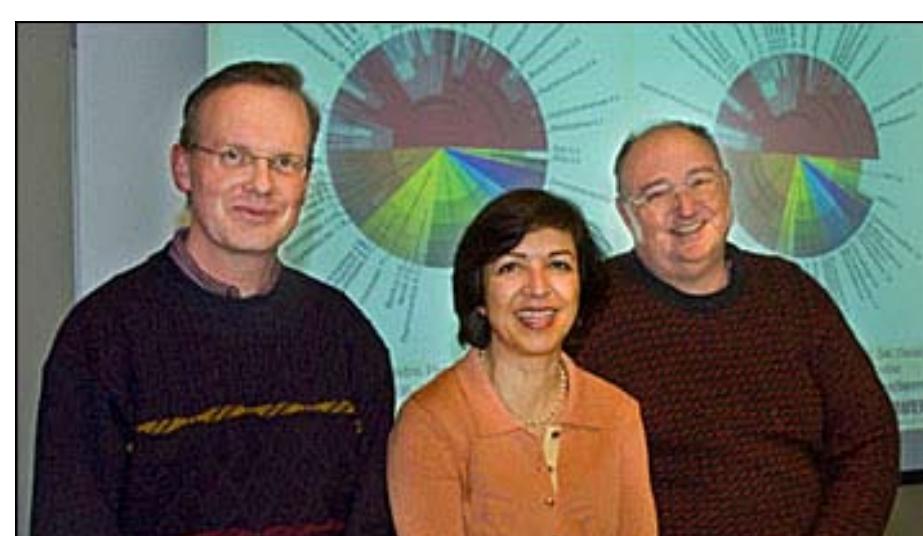
protozoa), between ambient and high CO₂ soil samples. But elevated CO₂ samples showed significant changes in the composition of these communities, including:

- an increase in heterotrophic decomposers — microbes that rely on an external food source and break down organic matter to recycle carbon and nitrogen
- an increase in ectomycorrhizal fungi — which gain nutrients by living in association with plant roots and help to provide the plants with essential minerals
- a decrease in fungi that commonly cause disease in plants — perhaps because increased plant growth stimulated by CO₂ makes the plants less hospitable/susceptible to the fungi
- a significant decrease in nitrate-reducers of the domain bacteria and archaea potentially implicated in ammonium oxidation.

The increased plant growth associated with elevated CO₂ environments has often been observed to be temporary because of the progressive depletion of the element nitrogen from the soil. Such a limitation has not yet been observed at the Rhinelander FACE site.

"Overall, the changes we observed support previously reported increases in biomass turnover rates and sustained availability and translocation of the essential nutrients required for increased plant growth under elevated CO₂," van der Lelie said.

— Karen McNulty Walsh



Roger Stoutenburg D121107

For more information, see www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=07-121

Confirmation: Elevated Carbon Dioxide Changes Soil Microbe Mix Below Plants

A detailed analysis of soil samples taken from a forest ecosystem with artificially elevated levels of atmospheric carbon dioxide (CO₂) reveals distinct changes in the mix of microorganisms living in the soil below trembling aspen trees. These changes could increase the availability of essential soil nutrients, thereby supporting increased plant growth and the plants' ability to "lock up," or sequester, excess carbon from the atmosphere.

Funded by the Office of Biological & Environmental Research within DOE's Office of Science and by BNL's Laboratory Directed Research & Development program, the research will appear in the April 2008 issue of the journal *Environmental Microbiology*.

"These changes in soil biota are evidence for altered interactions between trembling aspen trees and the microorganisms in the surrounding soil," says Daniel (Niels) van der Lelie of BNL's Biology Department, who led the research. "This supports the idea that greater plant detritus production under elevated CO₂ has altered microbial community composition in the soil. Understanding the effect these microbial changes have on ecosystem function, especially via effects on the cycling of essential elements, will be important for evaluating the potential of forests to act as a natural carbon sink in mitigating the effects of rising CO₂."

Other authors on the paper are: Safiyh Taghavi and Sean McCorkle of BNL Biology; Donald Zak, University of

Michigan; Steven Skiena, Stony Brook University (SBU); Bernard Ollivier, University of Provence and the Mediterranean (UPM), France; Dimitris Papamichail, BNL, SBU, and University of Miami; and Celine Lessauzier, BNL and UPM.

Atmospheric CO₂, the most

has focused on the potential of forests to sequester excess carbon and offset the rise in CO₂.

Various studies have demonstrated increased plant growth under elevated CO₂, but there is no consensus on many of the secondary effects associated with these plant responses. The

"Understanding the effect these microbial changes have on ecosystem function . . . will be important for evaluating the potential of forests to act as a natural carbon sink in mitigating the effects of rising carbon dioxide." — Daniel van der Lelie

abundant "greenhouse gas," has been increasing since the start of the industrial age, and is one of the main contributing factors associated with climate change. Since plants take in CO₂ and convert it to biomass during photosynthesis, much research

goal of this study was to investigate the composition and role of microbial communities, which help to regulate the cycling of carbon and nitrogen in terrestrial ecosystems.

The study was conducted on soil samples collected at an

Among the study's authors are Niels van der Lelie, Safiyh Taghavi, and Sean McCorkle of the Brookhaven Biology Department. The image behind them shows the distribution of microbial species at ambient and elevated levels of carbon dioxide.

CALENDAR OF LABORATORY EVENTS

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

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

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

Mondays: BNL Social & Cultural Club

Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov

Mondays: Pilates

Noon-1 p.m. Rec. Hall. Ext. 5090

Mondays & Wednesdays: Pilates

5:15-6:15 p.m. Rec. Hall. Ext. 5090

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Registration is required. Ext. 8481

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

Noon-1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov

Tuesdays: Hospitality Coffee

10:30 a.m.-noon, Rec. Hall lounge. All welcome. Ext. 5090

Tuesdays: BNL Music Club

Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

Tuesdays: Knitting Class

2 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information.

Tuesdays: Toastmasters

1st & 3rd Tuesday of month, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. www.bnl.gov/bera/activities/toastmstrs/

Tue., Wed. & Thu: Rec Hall Activities

5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Tue., Thurs. & Fri.: Ving Tsun Kung Fu

Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, bradley@bnl.gov

Tues. & Thurs.: Jazzercise

Noon, Rec. Hall. Ext. 5090.

Tuesday & Thursday: Aerobic Fitness

5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, flood@bnl.gov

Tuesday & Thursday: Aqua Aerobics

5:30-6:30 p.m., Pool. Ext. 5090

Wednesdays: On-Site Play Group

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

Wednesdays: Ballroom Dance Class

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

Wednesdays: Weight Watchers

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

Wednesdays: Yoga

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

Thursdays: Reiki Healing Class

Noon-1 p.m., Call for location. Nicole Bernholc, Ext. 2027

Fridays: Family Swim Night

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

Fridays: Family Gym Night

5-8 p.m. Family gym activities. Free.

Fridays: BNL Social & Cultural Club

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

CIGNA Representative

A CIGNA Healthcare representative is available as needed in Human Resources, Bldg. 400, or by phone to assist with claims issues you have been unable to resolve yourself through CIGNA's Customer Service number (1-800-CIGNA24). Mary Beth Kivlen will be available by appointment only. You will need to provide all pertinent documentation. To schedule, call the Benefits Office, Ext. 5126.

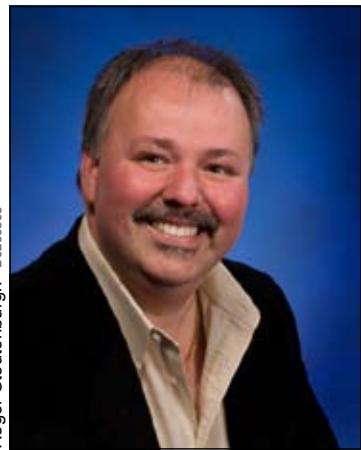
Meet the Candidates for Four Positions on BERA

An election for four BERA Board members will be held during next week, March 24-28. Eight candidates are running, and the Lab community is asked to vote for four of

them. A brief summary of each candidate's experiences in BERA activities and reasons for wanting to be a Board member follows below and is also available online.



Roger Stoutenburgh D0190508



Roger Stoutenburgh D0200508



Roger Stoutenburgh D0150508



Roger Stoutenburgh D0210308

Linda Barrett

Linda Barrett of the Fiscal Services Division joined BNL in 2006. She and her family enjoy BERA outings, social functions, the BERA Summer Camp Program and some wonderful employee discounts. Linda adds, "The greatest benefit that I've received from BERA is the positive feeling of knowing our community is drawn closer together by venturing down so many avenues of quality entertainment, recreational activities, social clubs and events."

"I am asking to be considered for the BERA team, to give back, in the next four years, as much as I can in gratitude for all that BERA has given to me in just this past year. I want to assist in continuing current programs and events and providing fresh ideas to bring even more BNLLers together to enjoy good times, make new acquaintances and create lasting memories of a workplace that truly cares about its employees.

Michael Canavan

Michael Canavan, a principal buyer for National Synchrotron Light Source II and the Procurement & Property Management Division, joined BNL in 2007. He has enjoyed the "Lunch Time Concerts" and is looking forward to participating in the Camping Club, and the gym and pool programs.

Says Canavan, "BERA offers employees and visitors many ways to share and explore common interests with their coworkers. Additionally, BERA provides the forum for trying something new. If elected to the BERA board, I will strive to increase BERA's visibility and encourage others to participate in the many opportunities BERA offers. This will be done by leading by example. Besides my enthusiasm and the need to have fun, I would also hope to utilize my 15 years of procurement experience to help the BERA clubs achieve the most "Bang For Their Buck."

Phyllis D'Avanzo

Phyllis D'Avanzo, a Staff Specialist/Supervisor in the Plant Engineering Division's Maintenance Management Center, has been employed at BNL for over 20 years. She has been involved in BERA volleyball, softball, racquetball, ski trips, jazzercise, and outings. She also assists the Brookhaven Veterans Association and works with their Adopt-A-Platoon program.

"I fell in love with the atmosphere here at the Lab," says D'Avanzo. "The people are terrific, like a family. I think that a lot of that feeling comes from the BERA clubs and all the friends you can make by joining in activities together." If elected, D'Avanzo will use her knowledge of what the BNL community wants to help promote more activities and trips. "Also, I'm enthusiastic and I can work with others," she says. "With other Board members, I would hope to help make BERA even better than ever."

Patricia Flood

Patricia Flood has been associated with BERA since being hired to give classes for the Aerobic Fitness Club in 1985. In 1988 she became an employee, and she is now a records management specialist in the Information Services Division. Over 20 years later, under Flood's leadership, the Aerobic Fitness Club thrives as one of BERA's longest running and most successful activities.

"My involvement with this club has fostered many friendships within the Lab community," says Flood. "I strongly believe that one of the main benefits of BERA is the club camaraderie. Experiences we share while attending special events and trips foster good relationships and help to enhance BNL's working environment."

If elected, Flood hopes to expand BERA's programs and make more people more aware of the opportunities BERA offers for them and their families.

BNL Career Open House, 3/29 — Tell Friends

BNL will hold a Career Open House on Saturday, March 29, 10 a.m.-3 p.m., in Berkner Hall. Human Resources (HR) representatives and hiring managers will conduct preliminary interviews for specific positions at the Laboratory. This Open House is for outside applicants only; current BNL employees interested in positions should apply through the BNL homepage.*

BNL employees are encouraged to tell non-BNL friends and professional acquaintances who might be interested in working at the Lab to pre-register and attend the Open House. To register, go to <http://www.bnl.gov/HR/CareerOpenHouse.asp>. Prospective candidates should bring a copy of their resumé. All visitors to the Lab age 16 and over must carry a photo ID.

At the Open House, when outside candidates are interviewed for a position, if appropriate, they may credit the employee who suggested that they attend. Certain positions are posted as "ERAP eligible" within the posting. ERAP, which stands for "Employee Referral Award Program," means that a BNL employee who is the first to refer a candidate for successful placement in an ERAP-eligible position will be rewarded.

The Career Open House will showcase careers in many areas of the Lab, including engineering, information-technology, technician, contract-specialist, and project-control positions. The Lab is especially seeking mechanical and electrical engineers, project-planning professionals, information technology experts and other technical staff for both BNL's soon-to-be-built National Synchrotron Light Source-II (NSLS-II) and the Collider-Accelerator Department.

*BNL employees interested in positions at the Lab should apply through the BNL homepage: click on Careers at Brookhaven and then Employment Opportunities to view all open positions. Anyone who requires assistance with this process should feel free to call either Felicia Hartsough, Ext. 2213 or Susan Clements, Ext. 2883.

LIANS Dinner Meeting, 4/1

The next meeting of the Long Island Chapter of the American Nuclear Society (LIANS) will be held on Tuesday, April 1, when Michael Ryan, Consultant in Radiological Sciences and Health Physics, will speak on "The Russian Health and Epidemiological Studies Program." The meeting will be held at the South Shore Restaurant, just north of Sunrise Highway on the west side of Route 112, Patchogue. Complimentary appetizers/cash bar will start at 6 p.m., dinner at 7 p.m., and Ryan's talk at 8 p.m. The cost is \$25/person. Reserve by Monday, March 31, with Arnie Aronson, Ext. 2606.

Women's Business Attire Clothing Needed

For 'Dress for Success' Drive, 4/2

The Dress for Success Organization solicits donations to help women who want to re-enter the workforce but may not have the means to purchase suitable business attire. To help address this need, BNL's Diversity Office is working with a representative from Dress for Success to hold a clothing drive on Wednesday, April 2, in Berkner Hall lobby from 11:30 a.m. to 1:30 p.m.

Items to be donated should be in good condition and perfectly clean. Suits, blouses, dresses, and coats should be on hangers. Other needed items are accessories such as scarves, handbags, shoes, and costume jewelry. The items should be delivered to Berkner on April 2. If you can also help with transporting the donations to a drop-off site afterwards, please contact Rosa Palmore, palmore@bnl.gov, Ext. 2703.

Impact of Alcohol Use, Abuse on Teenage Brains Presentation at Bay Shore HS by Stephen Dewey, 3/27

To discuss the short- and long-term impact of alcohol consumption on the brains of teens, Stephen Dewey of the Medical Department will present the talk "Your Brain on Alcohol: the Impact of Alcohol Use and Abuse on the Teenage Brain."

Dewey will make his presentation as part of a panel during a free, open-to-the-public town-hall meeting to address underage drinking, on Thursday, March 27, 7-9 p.m. at the Bay Shore High School Auditorium, 155 Third Avenue in Bay Shore. All are invited to attend the meeting, which is sponsored by Bay Shore/Brightwaters COMPASS, a program of the Suffolk Coalition to Prevent Alcohol and Drug Dependencies, Inc.

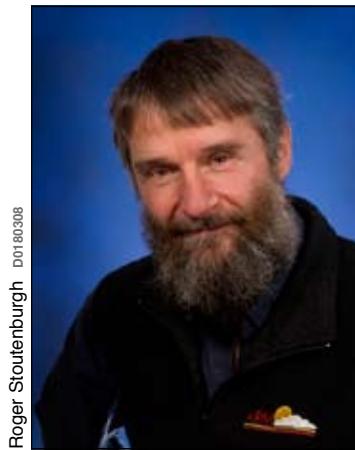
As the panelists will discuss, among the substances that make people "high," alcohol is easily available to adolescents. However, many teens are not aware of the negative effects that alcohol can have on the adolescent brain. Dewey will illustrate his talk about alcohol's negative impact with images of brain scans taken of subjects under the influence.

A native Long Islander, Stephen Dewey earned his doctorate in neuroanatomy from the University of Iowa. Since 1986, he has been working at BNL to understand causes and effects of addiction, and to develop an experimental treatment of addiction to cocaine, methamphetamine, and other substances. Dewey's research is supported by DOE and the National Institutes of Health, among other sponsors. For more information on addiction research at BNL go to www.bnl.gov/CTN/addiction.asp.

BERA Board, Vote in Upcoming Election, 3/24-28

On-line voting will commence on March 24 and run through March 28. Go to the homepage, click on BERA (left-hand column), then link to the election.

Paper-ballot voting stations will be in Berkner Hall lobby, Monday-



Mary Ann Maggio

Mary Ann Maggio, a Business Systems Division applications engineer, attributes many of her friendships made at the Lab to the BERA activities that she shared in during her 25 years at the Lab. These include BERA trips, kickboxing, yoga, Pilates, and volleyball.

"BERA gives you the chance to socialize with co-workers in activities that you have in common, creating memories that bring relationships at work to a higher level," she says.

If elected, Maggio would use her social skills to help BERA give people a stronger sense of belonging to the Lab through trips such as the NYC Chocolate Show, "Here Comes the Sun" yoga festival in Central Park, New England's state fair, white-water rafting, and a dinner cruise. She would also like to promote clubs through either trips or events to encourage people to explore new interests and new friends.

Helen Savage

Helen Savage of the Travel Office, Fiscal Division came to BNL in 2000 and has been employed in various facets of the travel business for the past 23 years. She is an active member of the BERA Body Building Club and utilizes the facilities every day. She and her family have also enjoyed many BERA-sponsored trips and events.

"BERA gives us so many wonderful activities and clubs right here at our fingertips," Savage says. "I feel very lucky to be employed in an environment that constantly strives to make our workplace a more healthy and enjoyable one."

Savage believes that if she is elected, her travel expertise will be a great asset to the BERA Board. Examples of some of her ideas for upcoming trips include: a Block Island bicycle and boat trip, a Greenwich Village food and cultural walking tour, and a Long Island vineyard tour.

Thomas Seda

Thomas Seda, a senior technical specialist in the National Synchrotron Light Source Department, belongs to BERA's Singles Club, Camping Club, and Cyclotrons and participates in many other BERA activities: Body Building & Fitness, Music Club events, Cardio Kickboxing. He is currently learning ballroom dancing.

Says Seda, "I've gotten so much out of these clubs — like knowing coworkers and their families in a social atmosphere. I'm thankful and understand the commitment club officers provide by donating their free time and their insightful solutions. I know this firsthand, as Camping president and now Cyclotrons treasurer. I believe wholeheartedly in giving back by serving."

If he is elected, Seda says, "I've learned that it's important not only to bring ideas to the table, but also to listen to others. No one can do this alone. I'm here to help."

Richard Wagener

Richard Wagener is a computational scientist in the Environmental Sciences Department. He enjoys BERA's Volleyball League and was secretary and president 1994-99, and Soccer Club where, since 2003, he has been team manager and treasurer.

"Activities in the BERA clubs bring the Lab community together and ease tensions that might build up at work," he says. "The many foreign-born employees and guests enrich our lives at BNL by bringing 'exotic' sports like soccer, badminton, and table tennis, and ethnic dances and music to us. Visitors and on-site residents benefit the most from BERA's opportunities for finding compatible friends, but BERA also offers a great deal to BNL lifers. If elected, I promise to build on those BERA strengths, and, no, just because of my German background, that does not necessarily mean 'Bratwurst, Bier, und Blasmusik!'"

Employee Lunchtime Tour at BGRR, 3/28

On Friday, March 28, the next Employee Lunchtime Tour will take participants to one of the first of BNL's great science facilities, the Brookhaven Graphite Research Reactor, to learn about some of its history and the plans for its future. Meet the group at the upper lobby of Berkner Hall at noon prior to joining the tour. No reservations are necessary, and the group will return to Berkner by 1 p.m. For more information, contact Elaine Lowenstein, Ext. 2400.

Nominations Wanted: For Environmental Stewardship Awards

As part of BNL's commitment to environmental stewardship, the Lab presents awards annually to employees who help to make the environment healthier and more livable. Nominations are requested for winners of the 2007 award: winners will be employees who have demonstrated an outstanding contribution in the areas of pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation.

Awards will be presented at the annual Earth Day Award Ceremony on April 24. If you believe you or someone you know should be recognized for environmental stewardship efforts, forward your name, or your nominee's name, extension, division, Bldg. number, and an overview of the contribution, with any supporting documentation, to Karen Ratel, Bldg. 120, by April 16. For more information, contact Ratel at Ext. 3711 or ratel@bnl.gov.

Reimbursement Account Deadline, 3/31

Use It, Don't Lose It!

According to the Internal Revenue Service, contributions to health care or dependent day care accounts not used by the end of the calendar year will be forfeited. So, do not forget to use up balances within all 2007 reimbursement accounts by claiming expenses incurred in 2007. To do so, submit claim forms by March 31, 2008.

Parent Volunteers Needed to Prepare For 'Take Our Children to Work Day'

Parent volunteers are needed to help prepare for "Take Our Children to Work Day," which will be held on Thursday, April 24. Contact Ernie Tucker, Ext. 5735, tucker@bnl.gov, or Liz Gilbert, Ext. 2315, gilbert@bnl.gov for more information.

Wednesday, March 24-26, 11:30 a.m.-1:30 p.m. On Thursday, March 27, paper-ballot voting will be held at the Research Support Bldg. (RSB) 400, 11:30 a.m.-3 p.m.; and again at the RSB on Friday, March 28, 11:30 a.m.-1:30 p.m.

CALENDAR

- THIS WEEKEND -

Saturday, 3/22

*BERA-IAH Holi, Festival of Colors

2 p.m. Berkner Hall. The BERA Indo American Association celebrates Holi with song, dance, music. Tickets at \$6/adult, \$3/child, include a snack of samosas or pizza at the Recreation Hall. See p. 4.

- WEEK OF 3/24 -

Mon.-Fri. 3/24-28

*BERA Board Election

To vote online, go to the BNL homepage, click on BERA, then link to the election. To go to the paper ballot voting stations, see schedule announced above, left.

Monday, 3/24

IBEW Meeting

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

Friday, 3/28

*Employee Lunchtime Tour: BGRR

Noon-1 p.m. Berkner Hall upper lobby. Tour will take participants to the Brookhaven Graphite Research Reactor (BGRR), to learn some of its history and the plans for its future. Meet the group at Berkner to be taken to the BGRR; the tour will return there by 1 p.m. For more information, contact Elaine Lowenstein, Ext. 2400.

*Kane Daily Rock, Blues Band

7:30 p.m. Brookhaven Center. Sponsored by the BNL Music Club. Tickets: \$10 in advance, \$12 at the door. See p. 4.

- WEEK OF 4/31 -

Monday, 3/31

Start of Spring Fitness Program

— Register Ahead! —

All are encouraged to register for the Lab's 2008 Spring Fitness program, "Brand New U," sponsored by the Employee Health Program managed by Michael Thorn. Find out more information and/or register at www.bnl.gov/hr/occmed/HPP/orasp or contact Thorn, Ext. 8612 or mthorn@bnl.gov.

— WEEK OF 4/7 —

Wednesday, 4/9

BSA Noon Recital

Noon, Berkner Hall. Sponsored by BSA, the company that manages BNL, violinist Solomiya Ivakhiv will perform. All are welcome to this free concert. Visitors to the Lab of 16 and older must carry a photo ID.

- WEEK OF 4/14 -

Wednesday, 4/16

43rd Brookhaven Lecture

4 p.m. Berkner Hall. Nicholas Camillone of the Chemistry Department will speak on a topic to be announced. All are welcome to this free lecture.

Arrivals & Departures

— Arrivals —

Lisa Maria Ramirez.....NNS

Wendy WilliamsEE&NS

— Departures —

Akira NambuChemistry

BREA Annual Luncheon, 6/4

The Brookhaven Retired Employees Association (BREA) Luncheon Committee will hold the fifth Annual BREA Luncheon on June 4 at the Three Village Inn in Stony Brook. Reservation information will follow.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, March 26, to answer employees' questions about their financial matters. The consultant will help you: understand the importance of protecting your assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Suzanne Leone, (866) 842-2053, Ext. 4601.

Classified Advertisements

Placement Notices

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

To apply for a position, go to www.bnl.gov. Select "Careers at Brookhaven" then "Employment Opportunities."

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

RESIDENCE CUSTODIANS (LG-3) - (2 Positions) Temporary: 5/5/08 - 9/19/08. Staff Services Division. Apply to Job ID# 14410.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in molecular biology or a related field relevant to microbial community analysis and heavy metal reducing bacteria, preferably with a strong background in heavy metal/radionuclide reduction by Shewanella. Expertise with column experiments and mesocosm studies is a plus. Will be involved in research to study the potential impact and risks of palladium nanoparticles released as a result of energy generation and used for *in situ* groundwater remediation. This work will involve the design and follow up of column experiments using molecular ecological tools under the guidance of both a soil chemist and a microbiologist. Under the direction of D. van der Lelie, Biology Department. Apply to Job ID# 14417.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in biochemistry, biophysics or physics. Experience in electron microscopy, protein biochemistry, or x-ray crystallography is preferred. Research involves investigating the structure of several protein complexes that play essential roles in a cell by using a combined approach of cryo-electron microscopy and x-ray crystallography. In addition to standard protein biochemistry equipment, other major instruments available for the research include JEOL-1200EX and JEOL 2010F cryo-electron microscopes in the Biology Department, protein crystallography beamlines at the National Synchrotron Light Source, and access to the BNL 100 teraflop supercomputer (New York Blue). Under the direction of H. Li, Biology Department. Apply to Job ID# 14418.

ACCELERATOR PHYSICIST (S-1, S-2, S-3) - Requires a Ph.D. in physics or engineering with a successful track record in the development of electronic and optical instrumentation, as well as in fast electronics and feedback systems. Must have expertise in diagnostic instrumentation for accelerator systems. Experience with fast electronics, feedback system design, and synchrotron radiation optics is highly desirable. Reporting to the NSLS-II Accelerator Physics Group Leader, the selected candidate will participate in the design, testing, and commissioning of the diagnostic and feedback systems for the NSLS-II accelerators. In addition, the candidate will have the opportunity to carry out R&D to advance state-of-the-art of beam instrumentation such as x-ray beam position monitors or bunch-by-bunch transverse feedback. National Synchrotron Light Source II Project. Apply to Job ID# 14403.

PROJECT ENGINEER I CONSTRUCTION SAFETY (P-9) - Requires a bachelor's degree in safety management or related field, and a minimum of ten years of progressively responsible related work experience in construction safety programs. Broad knowledge of OSHA regulatory requirements and experience in developing and implementing programs related to confined space, LOTO, structural steel erection, roof work, exterior architectural work, rigging/materials-handling safety, implementing a fall protection program, and excavation safety is required. Broad knowledge of proper construction-safety work practices, tool usage, and equipment operations is also required. Certification as a Safety Professional is highly desired. Will develop, implement, and administer the NSLS-II Construction Safety Pro-

gram, including plans, goals and strategies for improved safety performance at the construction site. Will provide subject matter expertise and direction on: health and safety best practices, regulatory issues, interpretations of standards and codes, and incident investigations. The candidate will be responsible for auditing contractor implementation of safety programs and compliance; analyzing construction-site safety performance; participating in investigations, and enforcing safety requirements and procedures. National Synchrotron Light Source II Project. ERAP eligible - \$1,000. Apply to Job ID # 14411.

ADVANCED APPLICATIONS ENGINEER (I-7, term appointment) - Requires a BS degree in computer science, engineering or physics, or equivalent experience, and 5+ years of software development experience in Unix/Linux environment. Proficiency in C and network programming in a client-server architecture is required. Requires strong analytical and problem-solving skills, as well as excellent communication skills to work with a diverse group of scientists and engineers. Programming experience in VxWorks or other real time OS, and knowledge of process control in an accelerator environment are highly desired. Job responsibilities include developing, testing, and integrating device drivers and applications, and program support for the NSLS machine control system. National Synchrotron Light Source. Apply to Job ID# 14401.

ADMINISTRATIVE SECRETARY (A-2, reposting) - Requires formal secretarial training, or equivalent, plus at least six years of related secretarial experience. Must be highly competent in secretarial skills and MS office products, including Word, Excel, PowerPoint, and Outlook. Must also be able to work independently and under pressure, handle non-routine office matters and perform multiple tasks. Knowledge of Laboratory practices, policies and procedures is desired. Knowledge of tracking systems and environmental programs is highly desirable. Responsibilities include both routine and non-routine administrative assignments which include, but are not limited to: preparing reports and correspondence; coordinating and scheduling appointments and meetings, including recording and distributing minutes; travel; maintaining supplies, procurement requisitions, repairs/maintenance. Will work primarily with the Environmental Compliance Section. Environmental & Waste Management Division. Apply to Job ID# 14356.

CARPENTER - Under minimum supervision lays out, constructs, modifies and maintains buildings and component parts from construction drawings, rough sketches or verbal instructions. Works with wood, wood substitutes and combination materials and flooring, roofing and wall materials. Uses hand, portable and fixed tools common to building-construction trades. Installs cabinets, door frames, window glass, interior finishes and hangs doors. Performs roof surveys. May perform cabinetmaker duties as required. Plant Engineering Division. Apply to Job ID# 14408.

CUSTODIANS (LG-1, five positions, temporary: 5/5/08 - 9/19/08) - Staff Services Division. Apply to Job ID# 14409.

Motor Vehicles & Supplies

03 MITSUBISHI GALANT - a/t, 4dr. p/s, p/w, a/c, c/d, airbag, gd. cond., zakkyy999@yahoo.co.jp. 45K mi. \$7,000/neg. 681-2535.

03 SUZUKI GSXR 750 - scratch on tail, Yosh exht, pwr. commander, never raced or sturt. 9,300 mi. \$4,000/neg. 767-2302.

003 HYUNDAI TIBURON - 6-Spd, manual, sports pkg, all options, mint cond., red. 30K mi. \$8,000. 929-0961.

02 TOYOTA CAMRY XLE - 6 cyl. excel cond., loaded w/extras. 74K mi. \$10,500/neg. 516-768-8055.

01 HONDA ODYSSEY LX - a/t, p/s, p/win, v/6, 3.5L, 5/d, gran. fm, cd, fwd, 127K mi. \$7,500. ajay.dhwan@klm.com, 347-723-1035.

00 FORD EXPEDITION - 5.4L, AWD/4wd, tow pkg, rear a/c, lthr seats w/3rd row, 6-cd, rem strt. 134K mi. \$6,750/neg. Ext. 7277.

99 ISUZU RODEO - 4dr, 4wd, 6cyl, a/t a/c, cass/cd, c/c, p/l, p/w, 1 owner, dlr. maint. 19/24 mpg 117K mi. \$4,200/neg. 734-2593.

98 SUBARU FORESTER - eng. runs excel. body & interior in great shape, needs trany. 142K mi. \$600. 750-3835.

97 DODGE CARAVAN - a/c, p/w, rem k/less ent., orig. owner, well maint., runs well. 145K mi. \$2,900/neg. Ext. 3246 or 404-7009.

95 MERCURY VILLAGER - white/beige, good cond. 167K mi. \$1,750/neg. Ext. 7405 or 680-4889.

94 OLDS CUTLESS CIERA - 4 dr, a/t, a/c, p/w, p/l, p/s, p/b, c/c, am/fm/cass, new batt., excel, must sell. 84K mi. \$3,200/neg. Frank, 839-6327.

94 ISUZU TROOPER LS DELUX - 4x4, at tires, class-3 hitch, no dents, new parts, inspected. 115K mi. \$2,200/neg. 219-1660.

89 CHEVY SUBURBAN - 2wd, 5.7L, a/t, a/c, p/s, p/b, p/w, p/l, c/c, cass, some rust, complete main 249K mi. \$1,250. 929-3251.

85 CADILLAC COUPE DEVILLE - gd. cond., car w/low mi. 62K mi. \$3,500/neg. Cosmo, 553-0202.

70 CHEVROLET CHEVELLE - SS Clone 454, Turbo 40, 3" exht, 12 bolt rear, \$11,000/neg. Ext. 7159 or 669-9807.

SPORTSTER - H/D 2000, 883cc pearl white, saddle bags, w/shield, 3K mi, excel cond., ask/\$4400. 924-6575/834-0129.

TRAVEL TRAILER - '05 Nomad, model 2980 w/slides out, used 5 times, mint cond., \$16,500/obo. 654-1093.

Boats & Marine Supplies

27' C&C MK1 - rec WB winner, fully equipped, roller furl, adj. split backstay, hyd. \$10,500/neg. 298-7022/335-7173.

Furnishings & Appliances

APPLIANCES - GE d/w \$150; Ammana 30" elec. glasstop stove, s/c \$200; Maytag Frigide 18 cu. ft., \$250. 698-6436.

BED - king, wooden platform frame, w/bottom drawers, orig/\$1200, excel. cond., ask/\$300. Ext. 4289.

BEDS - twin, maple, gd. cond., \$200; formica table, decorative, 30" round, almond, \$75. 874-3606.

BLACK LACQUER WALL UNIT - 82" h x 116" w, holds 40" TV, hidden storage + display shelves, orig/\$3k, ask/\$400. 816-3717.

CARPET STEAMER - Dirt Devil, 12 amp, deep cleaning, excel. cond., \$60. Ext. 4567.

MR. COFFEE - 4 cup programmable, \$8; RivalCrock-Pot, 2.5 quart stoneware slow cooker, \$10, both nr. new. Ext. 7779.

DINING ROOM SET - w/table, bleached wood w/6 chairs & hutch, \$500. Beth, 728-0992.

DINING ROOM SET - wood, table, six chrs, nice hutch w/glassed doors at top, wood below. Gd. for starter. \$95 neg. Ext. 2346.

DINNER SET - stoneware, like new in box, 16 pcs; 4 dinner & 4 dsrt plates, 4 soup/salad bowls, 4 mugs, \$20. Adam, Ext. 3759.

ELECTRIC SKILLET - 10"x20", adj/able temp., warm and 200-400F, tray to catch drippings. \$20. Adam, Ext. 3759.

ELLIPTICAL TRAINER - Reflex Step machine, excel cond., \$100. Nancy, Ext. 4567.

HANGING LAMP - Tiffany, any style, will email photo, \$25. David, Ext. 5460.

KITCHEN/DINING TABLE - Light oak rnd table w/leaf (oval), refinished like new, w/ 4 chrs, pics, will del. \$125. 516-449-1623.

MOVING SALE - bdrm. & l/r sets, patio furn., bar stools, antiques, misc. 929-8323.

SOFA & LOVESEAT - w/qu. sz. pullout bed, loveseat w/mtchng ottoman, \$400. 728-0992.

TABLE - decorative 30" Formica, round, almond, Moriches area, \$75. 874-3606.

TABLE/LAMPS - 42" rd cherry wd table w/wrgh iron base, 2 mtchng chrs, \$250; 3 lamps/shades, \$15. Hotpot electric stove, 30" w, \$75. 728-0992.

TV, AV STAND, TOASTER, CD RACK - all gd cond, photos avail, TV is 13", \$10; otrs are \$5 neg. Gene, Ext. 7953.

WASHER AND DRYER - Sears Kenmore, excel. cond., s/s tub, front loader, lg. cap., multi cycle, \$175/both. 744-5448.

Audio, Video & Computers

AUDIO POWER METER - FREE, selectable range 2W/200W full scale, 7 step LED indicators, new cond. Chris, Ext. 2593.

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

COMPAQ DL580 SERVER - Gen 1 DL580: 4x PIII 900, 5GB ECC RAM, 4x 15GB SCSI HDD, Lights-out mgmt, 2x 450W PSU, \$100 neg. Will, Ext. 2050.

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

TV - 19" Sony, old, work well \$10; Sansui Turntable \$5; DVD drive \$5. Ext. 7505.

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

AIR HOCKEY TABLE - lg., 4 goals, pucks gd. cond. \$75/neg. 821-3320.

CAMERA - 1 yr. old, Nikon 80-200AF-S, DX 2.8 lens, use warr. f2.8 all zooms, quiet, inc. case, filter, list \$1K+, ask/\$950. Ext. 4553.

GIRL'S BIKE - 24", purple, excel. cond. Nancy, Ext. 4567.

GOLF CLUBS - Callaway Big Bertha drivers w/graphite irons reg. flex and leather bag, \$470. David, Ext. 7277.

MITTS - Rawlings, mdle RBG10, similar to AA130, all lthr, deep pocket, gently used 1 season, new/\$70, ask/\$30. 803-0506.

Nikon D70 DIGITAL SLR PERFECT - 6.3 mp digital SLR of yr. \$450 body only; w/ afs NIKKOR18-70AF-S DX ed lens \$498. (\$1,200 new). Ronald, Ext. 4553.

SKIS - w/ poles & boots, numerous sets, call for details; golf clubs w/bag, \$25. Chris, Ext. 2094 or 831-3469.

TELESCOPE - Meade EXT 70 AT w/auto star and all the extra, tripod, case, \$500/ all/obo. John, Ext. 4414 or 775-9173.

TICKETS - Tues and Fri. games, 2 seat per game, Loge, sec 7, row B, seats 11 and 12. 751-7023.

TREE STAND - Summit, \$100; ground mount claybird thrower, \$50; canoe, 12" oldtown stillwater, excel, \$400. 727-0911.

MANORVILLE - 2 bdrm. house, lg. yd., close to Lab. \$1,450/mo. 924-0139.

MANORVILLE - 2 bdrm house, lg. yd., close to BNL. \$1,450/mo. 418-7910.

BERA-IAA to Hold 'Holi, ' Festival of Colors, 3/22

The BERA Indo American Association (BERA-IAA) will hold its annual Holi Function — the Festival of Colors — tomorrow, Saturday, March 22, 2 p.m. at Berkner Hall. The program will feature songs, dances, and instrumental music related to the Indian subcontinent's culture. All are warmly invited to attend.

Make reservations at the BERA Store or through the links from: www.bnl.gov/bera/activities/iaa/Holi2008/. Ticket prices are: \$6 for adults (12 years & older) and \$3 for children (3 to 12 years, under 3 free). The ticket includes the cultural program at Berkner Hall and a snack of samosas and pizzas at the Recreation Hall in the apartment area.



Visitors to the Lab of 16 and older must carry a photo ID.

Kane Daily Band Rock, Blues Concert, 3/28

The Kane Daily Band will perform on Friday, March 28, at 7:30 p.m. at the Brookhaven Center. Sponsored by the BNL

