

NIH Director Elias Zerhouni Visits BNL



Several of the scientists and administrators who met with National Institutes of Health Director Elias Zerhouni (standing, fourth from right) on his first visit to BNL are: (seated, from left) Joanna Fowler, Helene Benveniste, Gene-Jack Wang, and Linda Chang; (standing, from left) Bill Gunther, Julia Yang, Thomas Ernst, Dardo Tomasi, Nora Volkow, Elias Zerhouni, Bob Gordon (DOE), Charles Springer, and Bill Rooney.

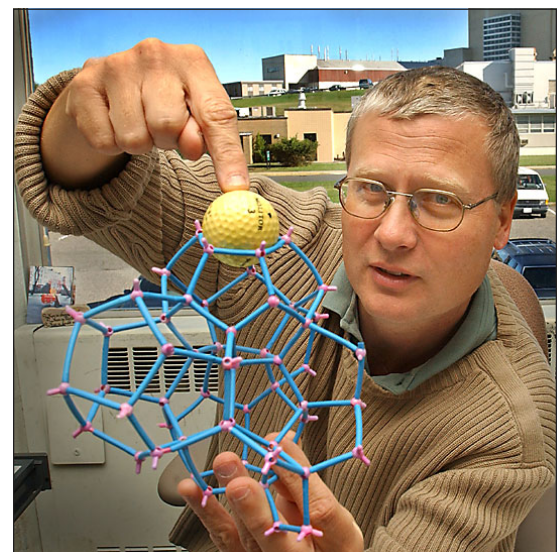
On October 10, the Director of the National Institutes of Health (NIH), Elias Zerhouni, visited BNL for the first time. Zerhouni was confirmed as 15th NIH Director by the U.S. Senate this May.

After being welcomed by Satoshi Ozaki, Acting Deputy Laboratory Director for Science & Technology, Zerhouni met with Nora Volkow, Associate Laboratory Director for Life Sciences. He then had lunch with some of BNL's Life Sciences researchers and viewed posters that highlighted the research being done in BNL's Center for Imaging & Neuroscience. These posters showed recent breakthroughs and innovative approaches to work largely sponsored by NIH's Institute on Drug Abuse (NIDA) and DOE's Office of Biological & Environmental Research.

Zerhouni also toured the Magnetic Resonance Imaging facility with the Medical Department's Linda Chang and Thomas Ernst, and he heard about the advances being made in the ongoing biomedical engineering initiative involving staff in BNL's Instrumentation and Magnet Divisions. Subsequently, Zerhouni visited the Positron Emission Tomography (PET) facility, where facility head Joanna Fowler, Chemistry Department, gave an overview of recent PET research activities.

During his visit, Zerhouni emphasized NIH's need for further advances in the fields of bioinformatics and computational sciences. He also expressed interest in working closely with DOE in future collaborative efforts at BNL.

Tom Vogt of the Physics Department illustrates the location of a cesium atom (golf ball) in the nanopores of a zeolite—a structure determined using methods of nanocrystallography.



Nanoscale Crystallography Reveals Structural Details

Understanding the properties of nanoscale materials may allow scientists to manipulate these properties to produce new nanomagnets, nanocatalysts, and composites with better optical properties. But such applications require detailed knowledge of the materials' atomic level structure.

"Without a structure, you are without a road map," said Thomas Vogt, Physics Department. Funded by DOE's Office of Basic Energy Science and the National Science Foundation,

Vogt and scientists from Michigan State University (MSU), led by MSU physicist Valeri Petkov, have demonstrated a technique that allows them to decipher such fine-level nanostructures.

The researchers' analysis of a material composed of cesium ions trapped inside nano-sized pores of the silicon-oxide zeolite $\text{Si}_{32}\text{O}_{64}$ is described in *Physical Review Letters* of August 12, 2002. This material is also the first example of a room-temperature inorganic "electride," a

(continued on page 3)

George Greene Elected ASME Fellow

George Greene, Energy Sciences & Technology Department, was elected a Fellow of the American Society of Mechanical Engineers (ASME) in 2000. ASME has a worldwide membership of about 125,000, of which approximately 2.5 percent are Fellows.

Greene was cited for "his significant and diverse contributions and accom-

plishments in scientific research, teaching and publishing."

Currently, Greene collaborates with Los Alamos National Laboratory (LANL) in a DOE-funded proton-radiography project at the Alternating Gradient Synchrotron. Greene and his collaborators image static and fast-moving objects with high-energy protons to simulate the high explosives in a nuclear device.

"This research is intended to develop the diagnostic tools to ensure that the aging U.S. nuclear weapons stockpile is still in working order," Greene explained. "These experiments are done to develop a technology that can be used to certify the operability of the weapons stockpile in lieu of actual nuclear weapons' testing, and we have begun to explore the use of this technology in non-defense applications as well."

In another project with LANL, Greene works on the transmutation of spent nuclear fuel. The researchers are developing technologies to eliminate actinides, such as uranium and plutonium, in spent nuclear fuel before their disposal in geological nuclear waste repositories.

Greene earned a bachelor's degree in engineering science from Stony Brook University (USB) in 1972, and a 1972 M.S. and 1980 Ph.D. in mechanical engineering, also from USB. He joined BNL in 1976 and was promoted to scientist in 1983. He has been an active teaching and research member of the USB faculty as an

(continued on page 3)

John O'Hara Elected HFES Fellow

John O'Hara, a scientist in the Energy Sciences & Technology Department (ES&T), has been elected a Fellow of the Human Factors & Ergonomics Society (HFES), in 2001. The Society studies human factors and how they relate to the design of interactive systems, such as computers and control rooms, to ensure human/machine compatibility, effectiveness, safety, and ease of performance. The society has about 5,000 members, with 180 Fellows.

O'Hara was cited for his "significant contributions to human factors research on the effects of advanced technology on individual and team performance in complex systems. Results of his simulations and field and laboratory research work have been applied to power plants, spacecraft, and merchant ships."

"I am very pleased about this recognition," O'Hara said. "There is increasing awareness of the importance of designing systems to support the role of their users. Research such as ours at BNL is providing a scientific basis for combining human and machine intelligence to optimize performance and safety."

O'Hara studies the way in which people process information in complex systems, such as nuclear power plants and space robotic devices. Further, he investigates how the interfaces to those systems can be designed to support rapid and accurate understanding of the situation, and minimize human error.

Recently, O'Hara helped the Federal Election Commission to review and revise human-factors aspects of voting systems (see the Bulletin of April 19, 2002). He is currently helping to develop an industry standard for voting systems as chair of the Institute of Electronics and Electrical Engineers (IEEE) Usability/Accessibility Working Group of the IEEE

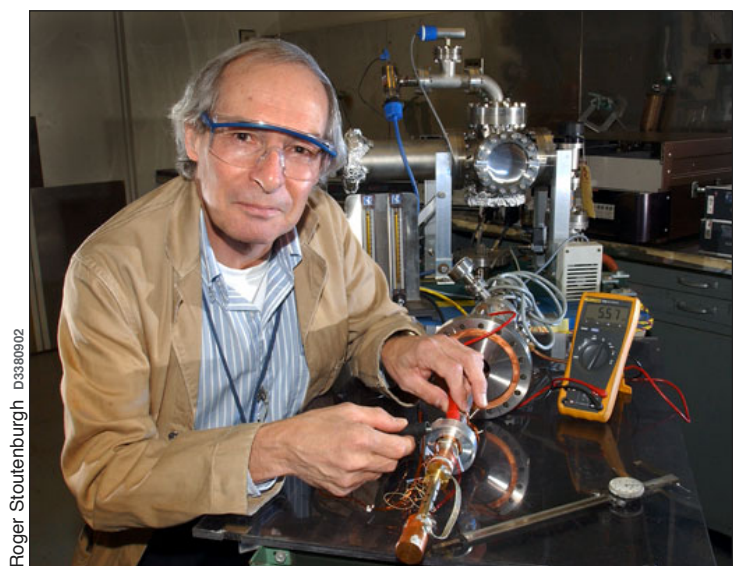
Voting System Standard Committee.

In a current, DOE-funded study, O'Hara is developing methods and guidance for the replacement of analog instrumentation and controls with digital ones in nuclear power plant control rooms — the replacement of knobs and dials with computer displays and controls.

"I use simulations and field studies to determine what design characteristics best support a crew's performance," he said.

O'Hara earned a B.A. in psychology from Stony Brook University in 1974, and an M.A. in 1976, and a Ph.D. in 1980, both in psychology, from Adelphi University.

(continued on page 3)



Roger Stoutenburgh 03309002



Roger Stoutenburgh 03309002

Goldhaber Fellows to Present Current, Future Research

The Lab community is invited to attend, 11/23



Next Wednesday, October 23, some of BNL's brightest young scientists will "sing for their supper," presenting highlights of their research over the past year, as well as their plans for the future.

The event, dubbed the "Goldhaber Distinguished Fellows — First Annual Presentation," will feature talks by the eight scientists awarded Gertrude and Maurice Goldhaber Distinguished Fellowships over the past year. All employees and guests are invited to attend the event, which will take place in the Chemistry Department's Hamilton Seminar Room, 3-5 p.m. Refreshments will be served before the presentations.

Created to continue BNL's tradition of attracting the best and brightest scientists, the fellowships are administered by Leonard Newman, Scientific Director, Laboratory Directed Research & Development, and funded by Brookhaven Science Associates, through its member institutions Stony Brook University and Battelle.

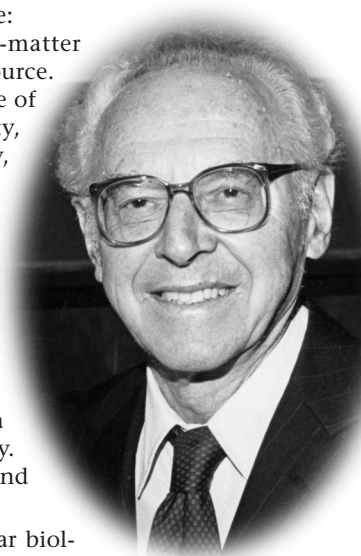
The fellowships are open to scientists who are a maximum of three years past receiving their Ph.D. and who have exceptional talent and credentials. Candidates must also have a strong desire for independent frontier research within the missions of BNL: the advancement of physics, chemistry, biology, and medical, energy, or environmental sciences; or the use of user facilities that accelerate particles or heavy ions or produce synchrotron light.

The three-year fellowships have a starting salary of \$70,000 per annum. Each fellow collaborates closely with a member of the BNL scientific staff and may qualify for Lab scientific staff positions after completing the appointment.

Newman said the response from the science community has been solid. "We've had more than 200 applicants to date, and I've been really pleased to see the high quality of the candidates," he said. "At least 20 of them are what I would call 'outstanding,' and it's wonderful that these outstanding young scientists have a desire to come work at Brookhaven."

The eight fellowship recipients giving talks are:

- **Young-June Kim**, physicist: Studies condensed-matter physics using the National Synchrotron Light Source. He was a postdoc at the Massachusetts Institute of Technology, his Ph.D. is from Harvard University, and his B.S. is from Seoul National University, Korea.
- **Robert F. Klie**, physicist/materials scientist: Investigates structure property relationships at defects in the bulk and at interfaces in oxide materials. His B.S. is from Kingston University, London, and his Ph.D. is from the University of Illinois at Chicago.
- **Elena Lymar**, biologist: Performs structural and functional analysis of human DNA. She was a postdoctoral associate at the Rockefeller University. Her Ph.D. is from Washington State University and M.S. is from Novosibirsk State University, Russia.
- **Kimberly M. Mayer**, biologist: Studies molecular biology, genetics, and protein engineering. Mayer was an NIH postdoctoral Fellow at the California Institute of Technology. Her Ph.D. is from Purdue University.
- **Peter Petreczky**, physicist: Studies statistical mechanics of quark-gluon plasma and lattice gauge theory. Petreczky was a research fellow at Germany's Bielefeld University. He received his Ph.D. from Eotvos University in Hungary.
- **Bernd Surrow**, physicist: Measures proton and proton structure at the Relativistic Heavy Ion Collider. He was a staff physicist at DESY, Hamburg, and a CERN, Switzerland, fellow. He has a Ph.D from the University of Hamburg, Germany.
- **Jian Wang**, chemist/chemical engineer: Designs, builds and deploys instruments for measuring aerosol particles. His Ph.D. is from the California Institute of Technology.
- **Hua Gen Yu**, chemist: Studies quantum theory and dynamics. Yu was an associate professor in the Chinese Academy of Sciences in China. His B.S. is from Chengdu University of Sciences & Technology, China, and his Ph.D. is from Goteborg University, Sweden.



— Peter Genzer

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 M. Kay Dellimore, 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. Bldg.) 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.

— THIS WEEKEND —

TODAY, Friday, 10/18

Lunch-Hour Tour of Peconic River

Noon. Meet in Berkner Hall. See page 4 for more details.

Guitar Music, Songs, Folk, Blues

8 p.m., Berkner Hall. BNL Music Club sponsors a concert featuring James O'Malley and "Little" Toby Walker, \$12, all are welcome. See also page 4.

Fri.-Sun., 10/18-20

Camping Club Halloween Weekend

\$5 per family for the weekend. Kids and adults Halloween fun. Denise Kranz, kranz@bnl.gov.

— WEEK OF 10/21 —

Thursday, 10/24

BERA Bridge Club

7 p.m., Brookhaven Ctr., South Rm. Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 10/28 —

Monday, 10/28

IBEW Meeting

6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. 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.

Tuesday, 10/29

BWIS Reception

5:15-7 p.m., Large Seminar Room Lounge, Bldg. 510. All are invited to attend the Brookhaven Women in Science (BWIS) Wine & Cheese party. This annual event is held to thank people who have helped with and supported BWIS programs, to welcome new members, and to introduce next year's executive board.

Cut Medical, Day-Care Costs With Flexible Spending Accounts

BNL offers comprehensive health plans, but not all expenses are covered in full, such as eyeglasses, physical exams, deductibles, coinsurance, and expenses above reasonable and customary limits. And, although on-site child care is available at the Lab, the cost of child care, as well as elder care, can quickly add up.

Employees can reduce these costs by opening Health Care and Dependent Day Care Reimbursement Accounts. Through salary reduction, these accounts set aside before-tax dollars to pay for out-of-pocket health and dependent daycare expenses. Actual costs are lower because of the tax savings.

Enrollment in these accounts for 2003 begins on October 21 and continues through November 27. Employees who work at least 20 hours a week may set aside from \$300 to \$3,500 (\$2,500 IBEW union employees) in the Health Care Account and/or \$300 to \$5,000 in the Dependent Day Care Account. Employees who want to sign up for 2003 must enroll, even if they are currently enrolled for 2002.

Enroll On Line or With a Form

From October 21 through November 27, eligible employees will be able to enroll on line for the 2003 health care and the dependent day care flexible spending accounts if they have a pass-

word for and access to PeopleSoft. Instructions for on line enroll can be accessed at <http://dev.bnl.gov/HR/Benefits/FSAonlineenrollment.htm>. As an alternate choice, enrollment forms will be available in the Benefits Office, Bldg. 185. Return completed forms to the Human Resources Division, Bldg. 185, by November 27, for coverage effective January 1, 2003.

The following expenses are not eligible for reimbursement:

- agency fees for au pair placements and adopting children;
- registration fees paid for day care, summer camp;
- preschool, kindergarten, etc., unless these fees are applied toward the first tuition bill, and

only if the fees are shown on the bill to be deducted from the regular tuition charge and only once that bill has been paid.

The cost paid to a daycare provider for dependents' meals is a reimbursable expense, unless those meals are included as part of the cost of a field trip or other outing.

Additional information will be distributed in the near future. For answers to questions, contact the Benefits Office, Ext. 2877 or Ext. 5126.

To assist in estimating expenses and potential tax-savings, an FSA withholding worksheet is on line at <http://www.bnl.gov/HR/Benefits/FSA%20Withholding%20calculator.xls>.

Medical, Dental Enrollment Open Until November 27

During open enrollment, described below, employees, retirees, and participants receiving long-term disability benefits who want to change their medical and/or dental coverages must contact the Benefits Office, Bldg. 185, Ext. 2877, Ext. 5126, or (800) 353-5321 by Wednesday, November 27.

Medical, Dental Open Enrollment

Until November 27, eligible employees working 20 or more hours per week may make changes to their medical and dental coverages: employees may join a medical and/or dental program, change from one program to another, add or drop coverage for family members, or drop coverage entirely. Also until November 27, retirees and participants on long-term disability or COBRA may make changes to their medical and/or dental coverage.

Coverage changes made during the open-enrollment period will become effective January 1, 2003. Changes can only be made during the annual open-enrollment period or when what is called a qualifying event occurs. Qualifying events include: the birth or adoption of a child; marriage, divorce or legal separation; loss of dependent status; or a spouse's gain or loss of employment. Qualifying events allow employees to make certain changes to their coverage if they notify the BSA Benefits Office within 31 days of the event. Employees who do not want to change their coverage at this time do not have to do anything for their coverage to continue.

Medical Choices: PPO vs. HMOs

The medical insurance plans available are: CIGNA preferred provider organization (PPO); and three health-maintenance organizations (HMOs): Vytra, Aetna, and HIP. Employees who enroll in any of these plans must pay a contribution toward the cost of coverage.

In a PPO program, health care is provided through a network of physicians and health-care facilities, but provisions are made so that participants can obtain such care from providers who are not in that network. For care provided within the network, there are no claim forms to submit. For care received outside the network, claim forms must be submitted to receive partial reimbursement.

In an HMO, participants receive medical services from physicians and at health-care facilities within the HMO's provider network. There are no claim forms to submit, and many services are covered, including physician visits, well-baby care, surgery, x-rays, hospitalization, diagnostic tests, and prescription drugs. Some HMOs require a co-payment at the time services are rendered.

Dental Choices

Three dental insurance plans are available to eligible employees: the CIGNA PPO Dental Plan, the CIGNA Dental Health Plan (DMO), and the Dental Assistance Plan administered by Eastern Benefit Systems. The CIGNA PPO is not available to members of the IBEW union. Employees who enroll in one of these plans must pay a contribution toward the cost of coverage.

Under the CIGNA PPO Dental Plan, services are provided through a network of dentists, but provisions are made so participants can obtain care from dentists who are not in the network. For in-network care, there are no claim forms to submit. For out-of-network care, claim forms must be submitted.

Under the CIGNA Dental Health Plan (DMO), no deductibles, no maximum benefits, and no claim forms need be submitted. Dental services are provided through a network of participating dentists. Many preventive and basic services are covered in full. Reimbursement for restorative and orthodontic services is based on a fee schedule.

Under the Dental Assistance Plan administered by Eastern Benefit Systems, employees may choose any dentist, and reimbursement for preventive, diagnostic, basic, and major dental services is based on a fee schedule. Orthodontia for dependent children is covered at 50 percent of a reasonable and customary charge. Claim forms must be submitted.

Plan Representatives on Site

To help participants decide among the medical and dental plans, representatives of all the above plans will be in Berkner Hall over four days: from 11 a.m. to 2 p.m. during the Healthfest 2002 health, fitness, and safety fair, on Wednesday, October 23, and Thursday, October 24; and from 11 a.m. to 2 p.m. on Thursday, November 14, and Thursday, November 21. In addition, meetings will be held in Berkner Hall on November 14 and 21 at noon to discuss the medical plan.

During these dates and times, literature on the plans will also be available, including comparison sheets and lists of participating physicians, dentists, and health-care facilities. Also, representatives of the Benefits Office will be available to answer questions.

BNL Students, Postdocs Form ASAP

Over BNL's long history, many students have worked on site as undergrads, graduate students, and postdocs. But there has never been an organization for students, until this summer — when ASAP, or the Association for Students and Postdocs, was established.

The organization seeks to foster camaraderie and professional development among BNL's young scientists, by organizing and encouraging participation in a variety of scientific and social activities at the Lab and on Long Island. Also, ASAP will advocate the interests of students and postdocs to the Lab's scientific departments and divisions, and BNL management.

The movement to form a student organization was born following a suggestion of the RHIC & AGS Users' Executive Committee to the Lab's Quality of Life (QOL) Committee. QOL asked its member Susan White-DePace, who oversees the RHIC & AGS Users' Center, and Jeff Mitchell of the Physics Department to gather interested students and other pertinent staffers. In addition to White-DePace and Mitchell, this group included: QOL/Recreation/BERA Supervisor Christine Carter, Staff Services Division; Cecilia Hanke, National Synchrotron Light Source (NSLS) Department; Anna Kulesca, Physics; Edson Kakuno, NSLS; Brian Murfin, Office of Educational Programs Manager; Nina Nami, OEP; Renée Flack, OEP; Anuj Purwar, Physics; Andriwo Rusydi, NSLS; Gregory Smith, NSLS; and Rainer Soika, Magnet Division.

On June 24, at the initial meeting of approximately 75 students and postdocs, it was determined that there is sufficient interest in a student group. As a result, subgroups of students and postdocs were set up, to work on a charter, Web page, proposed calendar of events, election procedures — and the selection of ASAP's name.

One big result of these working groups was that the ASAP



June 24 meeting of students and postdocs with Susan White-DePace.

charter was approved by the Laboratory's Policy Council and Interim Director Peter Paul. The ASPA charter can be found on the group's Web page — www2.bnl.gov/ASAP/ — which is another task accomplished by ASAP members.

In response to ASAP's request for meeting space dedicated to students and postdocs, the reception and conference area in Bldg. 750, which contained the High Flux Beam Reactor, will be renovated as an ASAP lounge. Brookhaven Science Associates, through its member institutions Stony Brook University and Battelle, is providing the funding for ASAP's lounge furnishings and amenities.

Now, ASAP is looking for a logo, so it invites students, postdocs, facility-users, other guests, and employees to participate in its logo competition. Entries are due by November 1 and are to be submitted to Susan White-DePace, Bldg. 355A, or swd@bnl.gov. Not only will ASAP select a winning logo, but the group will also recognize the winner in an appropriate way.

In November, another ASAP contest will be held, when elections for its officers — president, vice president, secretary, and treasurer — will take place. Those interested in running for such offices are invited to contact Jeff Mitchell, Ext. 3015 or mitchell@bnl.gov.

Nanostructure (cont'd.)

stable separation of positively charged cations and electrons, with properties determined by the topology of the pores in the host matrix.

Nanoscale structures — made of particles 1,000 times smaller than the diameter of a human hair — are so difficult to decipher because they lack the long-range order and symmetry of perfectly crystalline materials.

"This work shows that, even with a very low degree of order, at synchrotrons such as the National Synchrotron Light Source at BNL, and using the right techniques, we can determine nanoscale structures. And with structural understanding, we can begin to predict properties, and perhaps begin to manipulate them for useful applications," said Vogt.

— Karen McNulty Walsh

For more details on this research, including a diagram of a fragment of the atomic structure of $Cs_{32}Si_{32}O_{64}$, go to www.bnl.gov/bnl_web/pubaf/pr/2002/bnlpr072502.htm.

BNL Runners Are L.I. Champs

Men's teams places 1st, 8th, 34th, 91st among 126 L.I. teams
Women's teams places 5th, 19th among 105 L.I. teams

On July 30, 54 BNLers were among 9,100 participants in the J.P. Morgan Chase Corporate Challenge 3.5-mile race at Jones Beach. More than 100 Long Island companies took part in the race, including Computer Associates, Symbol Technologies, Cablevision, KeySpan, the Suffolk County District Attorney, and Stony Brook University. The Jones Beach race is one in a series of races sponsored throughout the world to promote fitness in the corporate workplace, with more than 200,000 annual participants. The series culminates with a championship race held on Park Avenue in New York City.

When the Jones Beach race results were tallied, the BNL men's teams placed 1st, 8th, 34th, and 91st out of 126 teams, and the women's teams placed 5th and 19th out of 105 teams. After the strenuous event most of the BNL contingent gathered to relive the experiences of the hot and humid day while replenishing their carbohydrate load with food and beverages, which were organized by Susan Wells of the Business Systems Division.

The event is not just for runners — approximately 30 percent of this year's team was comprised of walkers. To increase employee participation, next year's challenge will be incorporated as the tail-end of the March-into-May program. The BNL target is to get more than 100 participants next year. As an added incentive, courtesy of the Community, Education, Government & Public Affairs Directorate, BNL running singlets will be available for the first 100 participants who sign up.

As the Long Island champions, the first-placed BNL men's team qualified for the 2002 J.P. Morgan Chase corporate championship race held in New York City, October 5. Teams from England, Germany, Australia, and throughout the U.S. were present. The BNL team finished 17th out of the 45 teams.



Some sporting BNLers: the participants in the 2002 J.P. Morgan Chase Corporate Challenge.

BWIS Reception

Wine & Cheese, 10/29
Physics Lounge, Bldg. 510

All at BNL are invited to attend the Brookhaven Women in Science (BWIS) annual Wine & Cheese party on Tuesday, October 29, 5:15-7 p.m. — to be held, this year, in the lounge outside the large seminar room in the Physics Department, Bldg. 510, not at the Recreation Hall as previously. BWIS hosts the party to thank people at the Lab who have supported BWIS programs, to welcome new members, and to introduce next year's new executive board.

John O'Hara (cont'd.)

Before joining BNL, O'Hara worked for Ship Analytics, Inc., 1982-86, as a research manager, and then for Grumman Corporation-Space Systems Division, as a senior human factors engineer. He joined BNL in 1988.

— Diane Greenberg

Hospitality's Halloween Party for Children, 10/31

The Hospitality Committee will hold an on-site children's Halloween party on Thursday, October 31, in the Recreation Hall in the apartment area. The building is open from 4:30 p.m., and the party starts at 5 p.m. Wear your favorite costume to play games at the party, and bring a cold dish to share. Hot cider will be served. Parents, wear a costume also! After the party, at about 7 p.m., everyone will go trick-or-treating on site.

For more information call Svetlana Agafonova, 205-5065 or Monique de la Beij, 399-7656.

ESOL Textbooks in the Research Library

The BNL English for Speakers of Other Languages (ESOL) program has a new selection of ESOL books in the Research Library, covering a wide range of levels and skills. Single copies may be borrowed for three days from the Reference section; to borrow copies for longer periods, contact the ESOL program coordinator, Jennifer Lynch, Ext. 4894. Examples of titles are: *101 American English Idioms*, *Grammar in Context*, *Survival English*, *Long Island Story*, and *Complete Guide to the TOEFL Test*. To find these books at the Library, Bldg. 477, search on WebCat under ESOL, or contact the User Services Group at the front desk, Ext. 3487.

Calendar

(continued)

Thursday, 10/31

*Children's Halloween Party

5 p.m., Rec. Bldg., sponsored by the Hospitality Committee. Bring a cold dish to share. See notice below, on this page. Svetlana Agafonova, 205-5065, or Monique de la Beij, 399-7656.

— WEEK OF 11/4 —

Monday, 11/4

Safety Shoe Office

Closed this week. Will reopen Tuesday, November 12.

Thursday, 11/7

Adelphi University Demo

11 a.m. to 2 p.m., Berkner Hall. An admissions representative will visit BNL to present information on Adelphi's graduate and undergraduate programs. For more information, see www.adelphi.edu.

BERA Bridge Club

7 p.m., Brookhaven Ctr., South Rm. Morris Strongson, Ext. 4192, mms@bnl.gov.

Friday, 11/8

Symposium to Honor the Late Richard W. Dodson

2-5:30 p.m., Hamilton Seminar Room, Bldg. 555. Symposium to honor the memory of the Chemistry Department's founding chairman, Richard W. Dodson, who died on June 13.

5:45 p.m. - reception in Berkner Hall
6:30 p.m. - dinner in Berkner Hall for those who have previously registered.

For more information, contact Lois Caliguri, Ext. 4397.

Saturday, 11/9

BNL Dance Club Monthly Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing, North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053.

— WEEK OF 11/11 —

Wednesday, 11/13

Brookhaven Lecture

4 p.m., Berkner Hall. George Greene, Energy Sciences & Technology Department, will give the 378th lecture.

BNL Dance Club Ballroom Dance Lessons: start of 2nd 8-week series

• 5-6 p.m. quick-start American cha cha & fox trot, 20 people max, 1 instructor, \$40/8 weeks

• 6-7 p.m. beginner mambo & merengue level I, 50 max, 3 instructors, \$30/8 weeks

• 7-8 p.m. Intro to Ballroom 102: beginner lindy, swing, hustle & West Coast Swing, 50 max, 3 instructors, \$30/8 weeks

• 8-9 p.m. International cha cha & samba technique, 30 max, 2 instructors, \$40/8 weeks.

Sign up ASAP. Marsha Belford, belford@bnl.gov or Ext. 5053.

— WEEK OF 11/18 —

Thursday, 11/21

BERA Bridge Club

7 p.m., Brookhaven Ctr., South Rm. Morris Strongson, Ext. 4192, mms@bnl.gov.

Saturday, 11/23

Defensive Driving

9 a.m.-3:30 p.m., Berkner Hall, Room B. Open to BNL, BSA, & DOE employees, BNL facility users, guests, and their families. To register, send a check for \$26 per person, made out to Empire Safety Council, care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your telephone number. All checks must be received by 11/20. No refunds after 11/20.

— WEEK OF 11/25 —

Monday, 11/25

IBEW Meeting

6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office.

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. Please enter the 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.

