

Richard Setlow Wins Environmental Mutagen Society Award

Richard Setlow, a senior biophysicist in the Biology Department, has been named the recipient of the 2002 Environmental Mutagen Society (EMS) Award. He is being recognized for his research contributions to the field of environmental mutagenesis, which is the study of how various agents in the environment, such as chemicals and radiation, lead to DNA damage and how that damage is repaired. DNA is the material that forms the molecular basis for heredity.

The award was announced at the annual EMS meeting in Anchorage, Alaska, on April 30. Setlow will receive a plaque and monetary prize.

"I am pleased to be chosen for this award," said Setlow. "I am gratified that discoveries I've made have had wide application in many fields and have advanced scientific understanding of how genetics, the environment, and human health are interconnected."

Specifically, Setlow is being honored for his discovery of

nucleotide-excision repair and the development of a method, known as bromouracil photolysis, to study excision repair. He also was cited for his discovery of a crucial link between unrepaired DNA damage and cancer.

Almost 40 years ago, Setlow and his colleagues at Oak Ridge National Laboratory (ORNL) discovered that certain DNA defects caused by ultraviolet light lead to biological damage. He also showed that, in normal bacterial cells, these defects could be removed by cellular enzymes, a process known as nucleotide-excision repair. This mechanism works by cutting out the damaged regions and patching the resulting holes.

This groundbreaking research led to great interest in repair, since certain genetic diseases stem from inherited deficiencies in DNA repair.

In the early 1970s, Setlow and James Regan, a colleague at ORNL, developed bromouracil photolysis, a method to measure DNA repair that became a standard technique. They incorporated bromouracil, an analog of thymine, into repaired patches of DNA. Exposure of the repair patches to long-wavelength ultraviolet light resulted in DNA breaks in the bromouracil. From the ultraviolet dose and the numbers of breaks, they were able to calculate the numbers and sizes of the



Richard Setlow

Roger Stautenburgh D5730402

Physicist Freeman Dyson Gives 2002 Pegram Lectures

Unfashionable Thoughts About Science, May 13-15

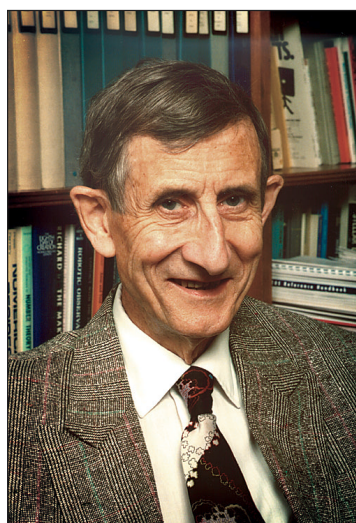
Freeman Dyson, a distinguished physicist and prize-winning author, will speak on "Unfashionable Thoughts About Science and Technology" in three George B. Pegram Lectures in Berkner Hall, Monday through Wednesday, May 13-15, at 4 p.m. After each lecture, Dyson will be available for book signing.

Dyson's May 13th talk, titled "Thought-Experiments: Exploring the Limits of Quantum Mechanics," is a technical talk complete with equations, intended primarily for physicists. To stimulate thought, four imaginary experiments will be described and explained, supporting the controversial view that quantum mechanics has a limited scope.

The May 14th talk, "Looking for Life in Unlikely Places," will suit an audience with some general knowledge of astronomy. In this talk, Dyson will address the question of how to search effectively for life in the outer reaches of the solar system.

Dyson's May 15th talk, "World Economic Forum Debates the Future of Science and Technology," will be geared toward a general audience. Dyson will describe three debates that were staged at the World Economic Forum in Davos, Switzerland, in January 2001.

The first debate, with Bill Joy, founder of Sun Microsystems,



Freeman Dyson

examined the question: Is technology out of control? The second, with Carl Djerassi, inventor and promoter of the birth-control pill, asked: Is reproduction a fundamental human right? In the third, Brian Greene, author of *The Elegant Universe*, debated the question: When will we know it all?

Born in Crowthorne, Berkshire, England, Dyson received a bachelor's degree in mathematics from the University of Cambridge in 1945. He completed fellowships at Cambridge's Trinity College from 1946 to 1947, at Cornell University in 1947, and at the University of Birmingham from 1949 to 1951. He returned to

(continued on page 2)

repaired regions arising from chemical or physical agents in the environment.

At BNL in the early 1990s, Setlow and his colleagues began investigating the role of melanoma-susceptibility genes and tumor-suppressor genes in causing melanomas. They found that

the most serious form of skin cancer, known as malignant melanoma, is induced by all wavelengths of the sun's ultraviolet rays. Based on experiments using tropical fish, which, like humans, develop melanoma from exposure to (continued on page 2)

Update: Upton Ecological & Research Reserve



Peter Kelly (left), U.S. Fish & Wildlife Service, and Tim Green, BNL Environmental Services Division, use a tool called an increment borer to monitor the age and other characteristics of trees in the Upton Ecological & Research Reserve.

Roger Stautenburgh D4452002

In November 2000, DOE dedicated over 500 acres of the eastern portion of the BNL site — known as the Upton Ecological & Research Reserve — for permanent preservation of its unique Pine Barrens ecosystem. Since then, much progress has been made in characterizing and managing the land.

A technical advisory committee was established to voice opinions on how the land should be managed and maintained. The committee, which meets every six weeks, includes representatives from BNL, the Community Advisory Committee, DOE, the Nature Conservancy, the New York State Department of Environmental Conservation, the Pine Barrens Commission, Suffolk County

Parks, and the U.S. Fish & Wildlife Service — the organization that is in charge of land management activities and research at the reserve.

Peter Kelly, a U.S. Fish & Wildlife biologist, maintains an office at BNL. He works closely with Tim Green, BNL's natural resource manager, to implement plans for the reserve.

Green and Kelly recently posted the boundary of the reserve, and Kelly began a survey of small mammals in the area. So far, the survey indicates that the most common small mammal in the area is the white-footed mouse.

Pine barrens ecosystems are found in many areas — as far apart as New Jersey and Italy. They may shelter more than 220

species of plants and 162 species of mammals, birds, reptiles, and amphibians. The Pine Barrens land in the Upton Reserve creates a unique ecosystem of forests and wetlands, providing habitat for approximately 27 endangered species or species of special concern, including the eastern tiger salamander and state-threatened banded sunfish. Other wildlife species of interest that inhabit the area are wild turkey, red fox, eastern box turtle, and red-tailed hawk.

A deer survey of the BNL site, including the reserve, shows that the deer count is down considerably from last winter. During the winter of 2000-2001, some 1,942 deer were counted on site. This winter, the number has fallen to 1,150. "Because of overpopulation and extended snow cover in early 2001, some deer died due to winter conditions," Green said.

In another project initiated through the reserve, BNL is collaborating with Dowling College to study the effects of deer on plant diversity. Green and Kelly have also begun a baseline survey of trees at the reserve to track changes over time.

In addition, a new vegetation map for the entire BNL site, including the reserve, is being prepared. The new map is based on the National Vegetation Standard. This standard is accepted by all federal and many state agencies across the nation and allows for uniform description of vegetation groups.

—Diane Greenberg

Coming Up NSLS Annual Users' Meeting

The National Synchrotron Light Source Annual Users' Meeting will take place Monday-Wednesday, May 20-22.

On Monday, May 20, workshops will be held on:

- Environmental sciences: synchrotrons providing powerful tools for a new science
- X-ray sources for studies of ultrafast processes
- EXAFS studies of nanoscale and nanostructured materials
- Practical aspects of membrane protein crystallography: from overexpression to crystallization

On Tuesday, May 21, the main meeting will be held

On Wednesday, May 22, workshops will be held on:

- Recent advances in the application of synchrotron radiation to catalysis
- Combining synchrotron infrared and x-ray microspectroscopy and imaging
- In situ studies of materials processing
- Advanced detector development.

For registration, meeting, and workshop information go to:
<http://nslsweb.nsls.bnl.gov/nsls/users/meeting>

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.

— EACH WEEK —

Weekdays: English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. Learn English, Make friends. For more information and class schedules, see the new ESOL website, www.bnl.gov/esol. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

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

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. Mary Wood, Ext. 5923, or wood2@bnl.gov.

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

Noon- 12:45 p.m., Rec. Bldg. Scott Bradley, Ext. 5745, bradley@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Mimi Luccio, 821-1435.

Tuesdays: Toastmasters

Meetings are 1st and 3rd Tuesday of each month at 5:30 p.m. in 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. Bldg. Pat Flood, Ext 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. \$2 pool fee per class or use pool pass. Mary Wood, Ext.5923.

Wednesdays: On-Site Play Group

9:30-11:30 a.m., Rec. Bldg. Parents meet while children play. Monique de la Beij, 399-7656.

Wednesdays: BNL Music Club

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

Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesdays: Yoga Practice

noon-1 p.m., Rec. Bldg. Free. Ila Campbell, Ext. 2206.

Wednesdays: Stretch

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

Wednesdays: BNL Ballroom, Latin & Swing Dance Club Lessons

5-9 p.m. North Ballroom, Brookhaven Center. • Register now for series 4 classes • Ballroom dance social: 5/18. Marsha Belford, belford@bnl.gov or Ext. 5053, or www.bnl.gov/bera/activities/dance.

Thursdays: Falun Dafa Class

noon-1 p.m., Free. Rec. Bldg. Falun Dafa refines the body and mind through exercises, meditation. www.falundafa.org.

Fridays: BNL Social & Cultural Club

7-11:30 p.m., Brookhaven Ctr., dance social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

May is Asian Pacific American Heritage (APAH) Month

In celebration of Asian Pacific American Heritage Month, the BERA Asian Pacific American Association, BNL's Diversity Office, The Asian American Faculty Staff Association, and Stony Brook University's Asian American Center Bridge will present a series of events throughout the month to celebrate the culture and achievements of Asian Pacific Americans. For more information, see www.apaa.bnl.gov/.

— NEXT WEEK —

Friday, 5/10

GLOBE Meeting

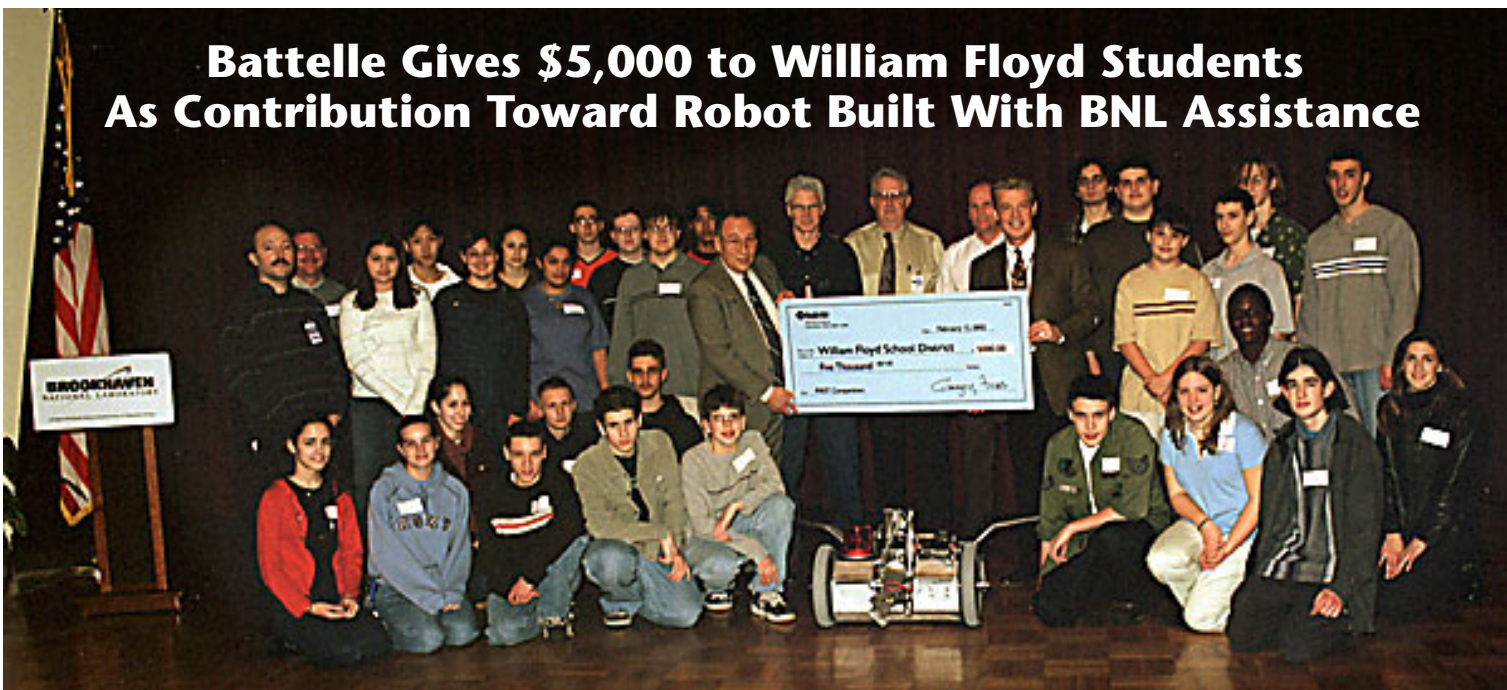
The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting. Plans to celebrate Gay Pride Month in June will be discussed. For the meeting's location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information about the GLOBE club, see www.bnl.gov/bera/activities/globe.

APAH Pot-Luck Dinner & Dancing

6-11:30 p.m., Rec. Bldg. & Brookhaven Ctr. For more information about Asian Pacific American Heritage Month events, see www.apaa.bnl.gov/.

BERA Spring Fling

6 p.m.-midnight at the Rockhill Country Club. \$15 per person includes hot and cold buffet and music by DJ Johnny. There will be a cash bar. Purchase tickets at the BERA Sales Office, weekdays from 9 a.m. to 3 p.m. or from Laurie Pearl, Ext. 5520, Louie Nieves, Ext. 4897, or John McCaffrey, Ext. 2075.



Michael Herbert D0860002

Battelle Gives \$5,000 to William Floyd Students As Contribution Toward Robot Built With BNL Assistance

William Floyd High School teachers and students gathered with BNL employees in Berkner Hall on February 12, as BNL General Council Gregory Fess, on behalf of Battelle Memorial Institute, presented a \$5,000 donation to the William Floyd School District (WFSD). The gift was to help the school's robot team offset the cost of building a robot and entering it in competitions.

Pictured above, accepting an enlarged replica of the \$5,000 check is WFSD Board of Education member Bill Guiducci (on left side of check). Also pictured are: (back row, from left) Chris Ryan and Tim McArdle, WFSD; (behind check, from left) Fred Wahlert, BNL Central Shops (CS) Division; CS Division Manager Richard Spellman; and Mike Whelan, WFSD.

Early this year, 14 engineering and fabrication staff members from BNL's Central Shops, Instrumentation Division, and the Col-

lider-Accelerator Department lent their technical expertise to William Floyd's Robot Team during a six-week robot design and construction period, which began the second week in January. So BNL has a special interest in the outcome of three contests which the William Floyd Robot team has entered this year, the "For Inspiration and Recognition of Science & Technology," or "FIRST" Regional Robotics competitions, held in Philadelphia, Long Island, and Connecticut.

The FIRST robotics competitions are part of a nationwide effort to team up professionals and young people in solving engineering design problems in a competitive way.

To obtain more information on the FIRST robotics competitions and to track the William Floyd-BNL team's progress, see www.usfirst.org.

— John Galvin

Freeman Dyson Gives Pegram Lectures (cont'd.)

Cornell to become a professor of physics in 1951, and, in 1953, he joined the Institute of Advanced Study in Princeton, New Jersey. He eventually became professor emeritus of physics at the Institute, where his career spanned 45 years.

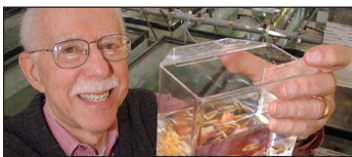
A fellow of the Royal Society and a member of the U.S. National Academy of Sciences, Dyson has received numerous awards and honors, including the 1981 Wolf Prize in Physics, and the 1996 Rockefeller University Lewis Thomas Prize,

which honors scientists for their artistic achievements.

Dyson has written numerous articles for such publications as *The New Yorker* and *Scientific American*, and he is the author of numerous books, including *Weapons and Hope* (1984), *Origins of Life* (1986), *Infinite in All Directions* (1988), *From Eros to Gaia* (1992), and *The Sun, the Genome, and the Internet* (1999).

Each lecture will be preceded by refreshments at 3:45 p.m. and followed by a reception. All are welcome. —Diane Greenberg

Setlow Wins Environmental Award (cont'd.)



sunlight, this surprising discovery contradicted the long-held belief that only short wavelength ultraviolet rays were potentially harmful.

Currently, Setlow is working with Japanese collaborators on NASA-funded research to estimate the magnitude of mutations in sperm of male astronauts resulting from exposure to high-energy cosmic rays in outer space. As a model, they are using fish native to Japan, called medaka. After exposure to energetic nuclei from the Alternating Gradient Synchrotron, male fish are mated with unexposed females. Mutations in the sperm result in color changes in fertilized embryos that are easily observed because the embryos are transparent.

In a study funded by the U.S. Environmental Protection Agency planned for the near future, Setlow and Lynn Mendelman, Biology Department, will work with the Marine Sciences Research Center at Stony Brook University to investigate potential mutagens in sediments around Long Island Sound. For this study, they will use

transgenic medaka fish in which genes can be isolated to measure mutations.

Setlow received his A.B. from Swarthmore College in 1941 and his Ph.D. in physics from Yale University in 1947. He taught physics and biophysics at Yale University before he joined ORNL's Biology Division in 1961. He came to BNL in 1974, and, in 1979, was named Biology Department Chair. In 1986, he became BNL's Associate Director for Life Sciences, returning to full-time research in 1998.

Among his many honors, Setlow won the 1988 Enrico Fermi Award, the most prestigious scientific award given by DOE, for his contributions to the fields of radiation biophysics and molecular biology. He has served on various advisory boards, including the Office of Technology Assessment and the U.S. Food & Drug Administration.

Setlow has also served as President of the Biophysical Society and President of the *Comité International de Photobiologie*. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and numerous professional organizations.

— Diane Greenberg

Service Awards

The following employees celebrated BNL service anniversaries during January and February 2002:

January

35 YEARS

Thomas Albertina . Physics, Info. Tech.

30 YEARS

John Smith NSLS
Earle Edwards Jr. Rad. Con.
Frank Stubblefield Instrum.

25 YEARS

John Andrews ES&T
David Cattaneo C-A
Ronald Zapasek C-A
Willem De Jong C-A
James Licari C-A
Mona Rowe CEGPA
Michael Todosow ES&T
William Strelecki. Emerg. Serv.
Barbara Lade Biology
Kris Dahms Safeguards & Sec.
Doris Johnston. Plant Eng.

10 YEARS

Seth Nemesure C-A
Bo Yu Instrum.
Karen Lucadamo Cent. Shops
Lisa Willi Budget
Brefni Medcalf Physics
Pei Kuan Feng C-A
H. Andres Ruga Physics
Leslie Malm C-A
Theresa Di Lello Staff Services
Michael Herbert Info. Services

February

40 YEARS

Gen Shirane Physics

35 YEARS

Arnold Peskin Info. Tech
Robert Marascia C-A.

30 YEARS

Jesse Becker C-A

25 YEARS

Creighton Wirick Env. Sci.
Jagdish Tuli ES&T
Richard Thomas Magnet
Laura Sbarra Occ. Med.
Malry Tardd Jr. NSLS
Thomas Muller Physics
Kathy Doty Env. Sci.
Francis Stepnoski. Rad. Con.
Virginia Stewart Physics
Kevin Barnes Plant Eng.
Patricia Jencius. P&PM

20 YEARS

Joseph Jahelka Training
Donald Makowiecki Instrum.

10 YEARS

Wing Louie C-A
Anthony Curcio C-A
John Skinner Biology
Thomas Seda NSLS
Nancy Warren SBMS
Valeri Tcherniatine Physics
Herman Butts Plant Eng.
Joseph Montalo QM

Inside Information

Pavel Oblozinsky, a physicist in the Department of Energy Sciences & Technology, was named Head of the National Nuclear Data Center (NNDC), effective February 1. He joined BNL in 2000 as Deputy NNDC Head and has been instrumental in reestablishing nuclear reaction evaluation capabilities at NNDC.

Oblozinsky earned his Ph.D. in nuclear physics from the Slovak Academy of Sciences at Bratislava in 1973, where he worked as Head of the Nuclear Physics Section, 1974-80, and then on fundamental research, 1980-93. From 1993 to 2000, he served as Deputy Head of the Nuclear Data Section, and Acting Head for a year at the International Atomic Energy Agency in Vienna.

Oblozinsky's scientific interests focus on the physics of nuclear reactions, primarily with neutrons, photons, and light charged particles. Best-known for his contributions to early concepts of pre-equilibrium decay in nuclear reactions, he has developed many techniques for nuclear reaction evaluation. He has also been active in experimental nuclear reactions research.

Oblozinsky chairs the U.S. Cross Section Evaluation Working Group and the U.S. Nuclear Data Program Coordinating Committee, and heads the U.S. Delegation at the NEA Working Party of International Evaluation.

Dosimetry badges will be exchanged today, Friday, May 3. Remember to place your badge in its assigned rack space before leaving work today.

BWIS Sponsors Career Day For High School Students

About 45 female students from four Suffolk County high schools learned first hand about careers in science and related fields from BNL women employees at a Brookhaven Women in Science (BWIS) High School Career Day held on February 12. The students came from Greenport, East Islip, Mattituck, and Riverhead.

Coordinated by BWIS and funded by BSA, Career Day featured panel presentations by women in various scientific and technical fields. Subjects covered included: physics, chemistry, engineering, medical technology, health promotion, and science writing. Female presenters shared their career successes and setbacks, as well as their career advice.

A similar event was held last November.

The students also toured the Relativistic Heavy Ion Collider and the Biology Department's Scanning Transmission Electron Microscope, where researchers from all over the world image biological specimens.

Senior Physicist Peter Bond gave a welcoming address to the students, and BWIS Coordinator Stephanie LaMontagne spoke about BWIS goals. Louise Hanson, Office of Educational Programs, gave an overview of the educational opportunities available at BNL to high school students, and Cathleen Wehrmann, Human Resources Division, shared expert knowledge on career planning.

— Diane Greenberg

Free September Tuition At The Upton Nursery School



Upton Nursery School teachers Rooshi Khalid (left) and Laura Williams welcome children of all cultures.

Since 1965, BNL parents who want to be involved in the schooling of their three-to-five-year-old children have chosen to enroll them at the Upton Nursery School, a nonprofit cooperative run by Lab parents. The school is known for its warm, supportive environment, which makes children of all cultures welcome, whether they are English speakers or not.

Children and grandchildren of BNL employees, visitors, contractors, and guests, and children of American Physical Society employees are welcome at the school. Currently, classes are taught by Laura Williams, a New York State-certified teacher, with the assistance of Rooshi Khalid. Both teachers have masters' degrees and extensive experience at this and other preschools.

Do Families Want to Continue?

At this time, Upton Nursery School is at a critical financial juncture because of low enrollment. To encourage enrollment, BNL is offering one month of free tuition to the first 15 children enrolled for fall 2002. So, enroll your child now as the school organizers need to know very soon if enough families wish to continue to support the program.

Classes are held from 8:30 to 11:30 a.m., two or three days per week depending on enrollment, at the Recreation Building, Bldg. 317. Tuition is \$90 or \$130 per month, plus a \$25 registration fee. Children must be three years old by December 31, 2002, although it may be possible to start a program for younger children if there is enough interest.

If Interested, Contact the School by May 20

If you are interested in enrolling your child next year, then contact the school by May 20. Send e-mail to nurseryschool@bnl.gov, or call Shelly Shumway, 732-1367, or Laura Williams, 473-6937. Parents are welcome to visit the school with their children on Tuesday and Thursday mornings; but call 344-3033 first to arrange the visit.



Panelists, such as Fulvia Pilat (above, left), Collider-Accelerator (C-A) Department, who volunteered to give brief talks on their career paths and answer questions from the students, included: Christine Brakel, Office of Intellectual Property and Industrial Partnerships; Diane Cabelli, Chemistry Department; Kathy Carney, Waste Management Division; Angelica Drees, C-A; Gail Donoghue, Community Involvement, Education and Public Affairs (CEGPA); Diane Greenberg, CEGPA; Lisa Miller, National Synchrotron Light Source Department; Linda Nunnermacher, Energy, Environment & National Security Department; Karen McNulty Walsh, CEGPA; Patricia Williams, Facilities and Operations Division; and Mary Wood, Occupational Medicine Clinic.

Skin Cancer Screening

A board-certified dermatologist will screen employees for skin cancer on Thursday, May 23, from 9 a.m. to noon in the Occupational Medicine Clinic.

To obtain one of the 40 available appointments, send a note with your name, building number, and extension to Health Promotion Specialist Mary Wood, Bldg. 490, or e-mail wood2@bnl.gov. For more information, call Wood, Ext 5923.

COMPUTER TRAINING

The following PC training classes have been scheduled for May 2002:

Excel - beginner, 5/10
FrontPage - intermediate, 5/14
Outlook, 5/16
PowerPoint - intermediate, 5/17
Project - intermediate, 5/20&21 (2-day class)
Excel - intermediate, 5/22

To register for the classes listed, or to register your interest in a future class, submit a training request form and an ILR or Web requisition for the appropriate amount to Pam Mansfield, Bldg. 515. When the form is received, your name will be placed on a waiting list. All classes are scheduled based on the number of requests received. For more information, registration forms, and class schedules, visit the ITD training page at: <http://training.bnl.gov/>.

Arrivals & Departures

Arrivals	
none	
Departures	
John Barta	Plant Eng.
John Hale	Rad. Control
Jianqi Li	Mat. Sciences
Johnny Tang	C-A

BNL Music Club 'Acoustic' Event, 6/6

An evening of "acoustic" music will be presented by the BNL Music Club in Berkner Hall on Thursday, June 6, 7-9:30 p.m., when acoustic guitarist Bruce MacDonald and singer and songwriter Michelle Monte will perform in concert.

Tickets may be purchased at the door or at the BERA Sales Office in Berkner Hall, weekdays, 9 a.m.-3 p.m. The suggested donation is \$3. All proceeds will go toward the support of The Long Island Voices foundation, a community youth gospel choir.

The BNL Music Club concert is open to all members of the Lab community. For more information, or if you would like to perform at an event, then call the Music Club at Ext. 3846 or e-mail diaz@bnl.gov. To subscribe to the BNL Music Club listserver go to <http://lists.bnl.gov/mailman/listinfo/bnl-musicclub-l>.



The Farmer's Market at BNL will re-open on Wednesday, May 8, from 11:30 a.m. to 1:30 p.m., in the parking lot of Berkner Hall. Buy jams and jellies; homemade pies, cakes, cookies, and breads; crafts, and more as the growing season progresses.

The Farmer's Market is looking to expand this year. If you have suggestions on ways to improve the market or know of someone who would like to participate, then call Michelle Herman, Ext. 8481.

Calendar

(continued)

Saturday, 5/11

Atlantic City Bus Trip
\$24 per person. Bus to the Showboat Hotel departs Brookhaven Ctr. at 8 a.m. and returns at 11 p.m. Tickets available at the BERA Sales Office, Berkner Hall, 9 a.m.-3 p.m. Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

— WEEK OF 5/13 —

Mon. - Wed. 5/13-15

Pegram Lecture Series
Physicist and prize-winning author Freeman Dyson will explore "Unfashionable Thoughts About Science and Technology" in three talks. The free talks will be given at 4 p.m. in Berkner Hall. All are welcome.

Monday, 5/13

Pegram Lecture
4 p.m., Berkner Hall. Freeman Dyson will present "Thought Experiments: Exploring the Limits of Quantum Mechanics." This talk is primarily intended for physicists. All are welcome.

Tuesday, 5/14

APAA Slide Show of Western China
Noon, Berkner Hall, Room B. "Scenes & Faces of the Silk Road" slide show presented by Robert Lavelle. For more information about Asian Pacific American Heritage Month events, see www.apaa.bnl.gov/.

Pegram Lecture
4 p.m., Berkner Hall. Freeman Dyson will present "Looking for Life in Unlikely Places." This talk will presume an audience with some knowledge of astronomy. All are welcome.

Wednesday, 5/15

Enterprise Rent-a-Car Demo
11 a.m.-2 p.m., Berkner Hall. A representative from Enterprise Rent-a-Car will present special rates to BNLers. (See the Bulletin, April 26, 2002.) Michael Rey, Ext. 4888.

Money Talks Seminar
Noon, Berkner Hall. A representative from TIAA-CREF will present information about investments and options at retirement. Joyce Wund, Ext. 7516.

Pegram Lecture
4 p.m., Berkner Hall. Freeman Dyson will present "World Economic Forum Debates: The Future of Science & Technology." This talk is geared toward a general audience. All are welcome.

Thursday, 5/16

Celebration of Nicholas Samios' 70th Birthday
All are invited to attend a symposium organized by BNL in celebration of the 70th birthday of BNL Distinguished Senior Physicist Nicholas Samios, former Laboratory Director. The program will be held in Berkner Hall and will include a full day of talks followed by a reception and dinner. See www.bnl.gov/bnlweb/samios70.htm.

BAC Meeting
12:30-1 p.m., Berkner Hall, Room C. Brookhaven Advocacy Council Meeting, Open Session. www.bnl.gov/bac.
BERA Bridge Club
7 p.m., Brookhaven Ctr. South Room. Morris Strongson, Ext. 4192, mms@bnl.gov.

Saturday, 5/18

BNL Ballroom, Latin & Swing Dance Club: 10th-Anniversary Celebration Social
8 p.m.-midnight, special evening of contemporary ballroom, hot Latin, and retro swing. 10:30 p.m. awards ceremony. Marsha Belford, belford@bnl.gov or Ext. 5053.

— WEEK OF 5/20 —

Monday, 5/20

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.

Thursday, 5/23

***Skin Cancer Screening**
9 a.m.-noon, Occupational Medicine Clinic. To make an appointment, send your name, extension, and building number to Mary Wood, Bldg. 490.

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.

Classified Advertisements

Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/default.htm.

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

TB8774. ADMINISTRATIVE SERVICES ASSISTANT (A-2) – Requires an AAS degree in secretarial science or equivalent experience, excellent interpersonal, oral/written communication skills, and strong network-based communication skills. In addition must have the ability to work under pressure, balance priorities, and perform multiple tasks and possess strong customer-service skills. Computer proficiency in MSOffice 2000 (i.e., Outlook, Excel, PowerPoint) and PeopleSoft HR highly desirable. Good working knowledge of Laboratory policies and procedures also desirable. Responsibilities include extensive interaction with RHIC, AGS, and Tandem user communities and BNL staff. Must be responsive and resourceful in handling the needs and problems of scientists visiting the Collider-Accelerator complex. Duties will include processing guest appointments and issuance of BNL ID cards, coordinating safety training, monitoring training exams, issuing personal dosimeters, as well as being responsible for database maintenance, meeting coordination, file maintenance and mailings. Will provide secretarial support to the RHIC & AGS Users' Center. Director's Office.

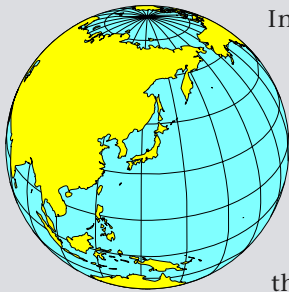
OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK8967. ASSISTANT SCIENTIST (S-1) — The Center for Data Intensive Computing (CDIC) and the Physics Department seek a computer scientist or computationally oriented physicist in the general area of grid computing, distributed data access, and/or the storage and analysis of petabyte data sets. Requires a Ph.D. in computer science, electrical engineering, physics, or a related field, with a strong background in computer science and an ability to conduct an independent research program and to work with Laboratory research programs. Brookhaven is home to RHIC, the Relativistic Heavy Ion Collider, and the U.S. ATLAS Program and is a participant in the Particle Physics Data Grid (www.ppdg.net) and GriPhyN (www.griphyn.org). CDIC is engaged in advanced scientific computing and is closely affiliated with the Departments of Applied Mathematics & Statistics and Computer Science at SUNY Stony Brook (www.bnl.gov/cdic). Interested candidates should send a CV, statement of research interests, and the names of three references to J. Glimm, Director, CDIC, Bldg. 463B or T. Wenaus, Department of Physics, Brookhaven National Laboratory, PO Box 5000, Upton, NY 11973 or e-mail Claire Lamberti, lamberti@bnl.gov.

TB2327. PRINCIPAL TECHNICIAN (TW-4, term appointment, reposting. ERAP eligible - \$500) — Requires a bachelor's degree in a physical science (physics, chemistry, engineering), or equivalent experience, excellent communication skills and a demonstrated ability to learn to operate complex apparatus and computer software. Experience in the operation of UNIX computer operating systems, electromechanical debugging and troubleshooting is desirable. Under minimum supervision, will assist users of the NSLS in the execution of x-ray diffraction experiments. Additional responsibilities include the maintenance and repair of apparatus, as well as the performance of routine computer operations. Biology Department.

TB3078. WATER AND SEWERAGE OPERATING ENGINEER — Under minimum supervision lays out, constructs or installs, repairs, maintains and operates water and sewerage systems, related facilities and auxiliary equipment. Must obtain and maintain appropriate licensing or certification requirements. Plant Engineering Division.

Celebrate Asian Pacific American Heritage Month During May



In celebration of the culture and achievements of Asian Pacific Americans, BERA's Asian Pacific American Association (APAA), BNL's Diversity Office, the Asian American Faculty Staff Association, and Stony Brook University's Asian American Center Bridge will present the following events throughout the month of May:

Pot-Luck Dinner & Dancing **Friday, May 10**

6-11:30 p.m., Rec. Bldg. and Brookhaven Ctr.

Slide Show of Western China **Tuesday, May 14**

"Scenes & Faces of the Silk Road" by Robert Lavelle, noon, Berkner Hall, Room B

Piano Recital by Eric Sun **Friday, May 24**

noon, Berkner Hall

Dinner & Cultural Performances **Friday, May 31**

\$20 per person, 5:30-9 p.m., Berkner Hall

Purchase tickets from: Achyut Tope, Ext. 5672; Hai-Dee Lee, Ext. 2062; Beth Lin, Ext. 3372; Susan Wong, Ext. 7988; Casper Sun, Ext. 3469; Rudy Alfordue, Ext. 4733; or Ila Campbell, Ext. 2206.

For more information about Asian Pacific American Heritage Month and the events listed above, go to the APAA's website, www.apaa.bnl.gov.

Services Move to Web

The service announcements that typically appear in the Bulletin on the first Friday of each month will soon be available to BNL internal audiences at <http://intranet.bnl.gov/bulletin/services.htm>. Services will only appear on the Web at the request of the BNL employee placing the ad.

The full service list will continue to be printed in the Bulletin; however, due to limited space, services will not appear as regularly.

The Bulletin is establishing a new master service list and requests that all BNLeers who wish to advertise a service, including those who have previously listed services with the Bulletin, submit a new service ad form. Service forms are available in the Bulletin lobby, Bldg. 134, on the Web at www.bnl.gov/bnlweb/pubaf/bulletin.html, or mailed to you at your request, call 344-2345.

BERA Events

Upcoming opportunities to join the Lab community in BERA events include:

Spring Fling Party, 5/10

See Calendar, page 3.

Atlantic City Trip, 5/11

See Calendar, page 3.

Buy your ticket quickly, time is running out! Tickets and more information on other trips are available at the BERA Sales Office, Ext. 3347, Berkner Hall, 9 a.m.-3 p.m.