

## BNL Course in X-Ray Crystallography Draws Students From Around the World



Roger Stoutenburgh, CN 4-257-741

Students and teachers participating in the x-ray crystallography course gather outside the National Synchrotron Light Source.

BNL's National Synchrotron Light Source (NSLS) was extra busy last week as a group of 48 students from around the world participated in a week-long, hands-on training course. "Rapid Data Collection and Structure Solving at the NSLS: A Practical Course in Macromolecular X-Ray Diffraction Measurement" was developed by the Biology and NSLS Departments to introduce students to the best people, newest equipment, and latest techniques in the field of x-ray crystallography.

"There's probably no better experience than this for someone who's trying to learn how

to use a synchrotron and how to use the software," says participant Mark Walter, an associate professor of chemistry at Oakton Community College in Des Plaines, Illinois.

Walter last did crystallography work when earning his Ph.D. at Northwestern University. Like a Rip Van Winkle who's been asleep for eight years while the field has advanced dramatically, he wanted to update his skills and possibly set up a similar hands-on learning experience for his students.

Like Walter, half the students came to the BNL course to observe and learn everything they

could about x-ray crystallography. The other half came with specific projects in mind, such as solving the structure of a particular enzyme. "Half a dozen of them are leaving with a publish-

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able result," said Bob Sweet of BNL's Biology Department, who designed and helped run the program.

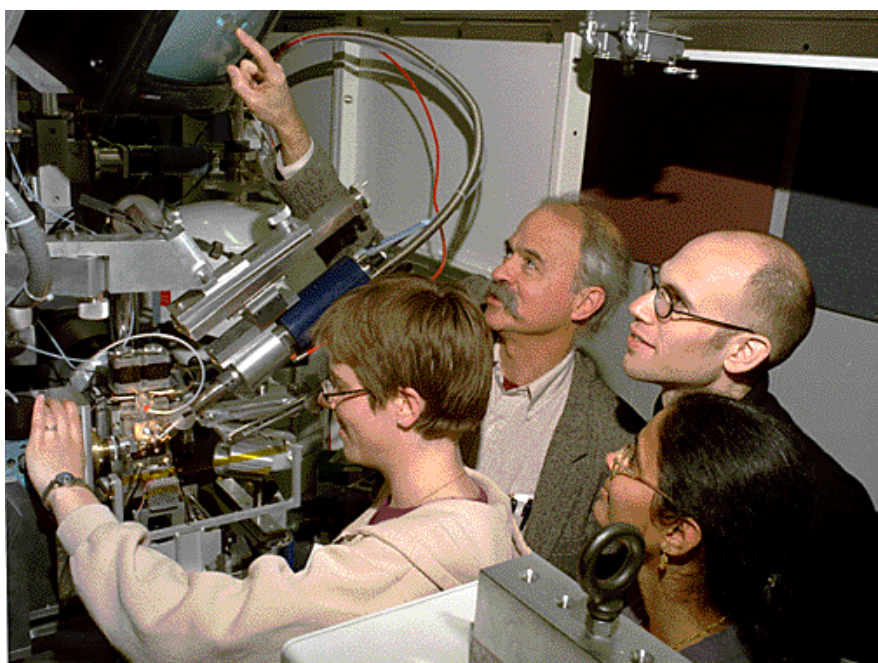
The students started their week with two days of lectures and tutorials on the techniques used to prepare crystal samples, and the software and other tools needed to collect and analyze data. These talks were given by BNL scientists, including Sweet, John Skinner, Dieter Schneider, Lonny Berman, Howard Robin-

*"Half a dozen of them [the students] are leaving with a publishable result."*

son, and other experts chosen from industry, academia, and other national labs.

"We recruit people who we think are leaders in the field," says Sweet, "and they are really happy to come because they and their competitors are all together (continued on page 3)

At BNL's National Synchrotron Light Source, looking at equipment that is being used for the recent week-long course are: (clockwise, from left) Emma Jakobsson from Uppsala University, Sweden; Bob Sweet of the Biology Department, who designed and helped run the program; Oren Rosenberg from Rockefeller University & Yale University; and Srikrupa Devarakonda from the University of Virginia.



Roger Stoutenburgh, CN 4-256-01

## May 10 Meeting on Federal Research Misconduct Policy

In the process of implementing a new federal policy for research integrity and the handling of federal research misconduct, DOE is holding public meetings nationwide to explain the policy and obtain feedback from DOE-supported scientists and others. One such meeting will be at BNL in Berkner Hall, on Thursday, May 10, 10 a.m.-4 p.m.

The Federal Research Integrity and Misconduct Policy was developed through a multi-year process involving all federal agencies with research missions, and the White House Office of Science & Technology Policy. This interagency process culminated in the publication of the final Federal Research Misconduct Policy in the Federal Register

on December 6, 2000. Responsibility for implementing this policy within DOE has been given to DOE's Office of Science. A link to the policy and other information is at: [www.science.doe.gov/misconduct/index.htm](http://www.science.doe.gov/misconduct/index.htm).

Written comments and questions about the Federal Research Misconduct Policy and DOE's effort to implement it can also be directed to: Anne Marie Zerega, Office of Planning & Analysis, Office of Science, U.S. DOE, 1000 Independence Ave. SW, Washington, D.C. 20585, phone: (202) 586-4477, fax: 202 586-7719, e-mail: [Anne-Marie.Zerega@science.doe.gov](mailto:Anne-Marie.Zerega@science.doe.gov). The public comment period extends to June 20, 2001.



Roger Stoutenburgh, DOE/1200

Robert Pisarski, Serban Protopopescu, and Samuel Aronson

## Three New APS Fellows

Samuel Aronson, Robert Pisarski, and Serban Protopopescu, all researchers in the Physics Department, have been elected Fellows of the American Physical Society (APS), an organization for physicists with over 40,000 members. Limited to no more than one half of one percent of the APS members, APS Fellows are recognized by scientific peers for outstanding contributions to physics.

Samuel Aronson is cited "For contributions to nuclear and particle physics, including the physics of neutral Kaons, and the leadership, design and construction of the major experiments, D0 at Fermilab and PHENIX at RHIC."

Kaons are elementary particles that Aronson studied to understand better how they fit into the Standard Model, the modern theory of fundamental physics. In 1995, the D0 experiment at DOE's Fermi National Accelerator Laboratory (Fermilab) in Chicago discovered the top quark, a

particle whose existence helps to prove the Standard Model. Since 1991, Aronson has led the effort to design, build, install, and operate one of the Relativistic Heavy Ion Collider's (RHIC) large detectors, PHENIX. It is an experiment designed to observe quark-gluon plasma, a state of matter predicted to have existed in the earliest moments of the universe.

Aronson earned his Ph.D. in physics from Princeton University in 1968. Joining BNL in 1978, he was associate chair for the Physics Department in 1987,

deputy department chair in 1988, and named a senior physicist in 1991.

Robert Pisarski was cited "For important contributions to the study of QCD at high temperatures." QCD stands for quantum chromodynamics, a theory of the nuclear interactions among quarks, the fundamental constituents of matter. At RHIC, Pisarski is studying the interaction of quarks at a trillion degrees, a temperature at which they are expected to change into the quark-gluon plasma.

Pisarski earned a Ph.D. in theoretical physics from Princeton University in 1979. He joined BNL in 1989; headed the Nuclear Theory Group, 1997-1999; and served as Deputy Director for theory in the RIKEN/BNL Research Center, 1999-2000. He was promoted to senior scientist in 2000.

Serban Protopopescu was cited "For his individual contributions and leadership in the discovery of the top quark at the D0 experiment

and for software simulation and algorithm development." Protopopescu was one of the original proponents of Fermilab's D0 particle detector and was a leader in developing software for the detector.

Protopopescu earned a Ph.D. in experimental high-energy physics from the University of California, Berkeley, in 1972. He joined BNL in 1972 as an assistant physicist, became an associate physicist in 1976, and rose to physicist in 1988.

— Diane Greenberg

*APS Fellows are recognized by scientific peers for outstanding contributions to physics.*

**Pegram Lectures Next Week, May 8 & 9**

## 'The Beauty of the Cosmos'

Mario Livio, who heads the Hubble Space Telescope's science division at the Space Telescope Science Institute, will give two lectures on the theme "The Beauty of the Cosmos" on May 8 and 9, as part of the George B. Pegram Lecture series.

On Tuesday, May 8, Livio will talk on "The Accelerating Universe," and on Wednesday, May 9, he will discuss "Black Holes: Can These Shed Light on Anything?" Each 90-minute lecture will start at 4 p.m. in Berkner Hall. All are welcome.

## 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 —

#### Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Newcomers meet friends. Mimi Luccio, 821-1435.

— Hospitality event

#### Wednesdays: On-Site Play Group

9:30 a.m.-11:30 a.m. Rec. Bldg. Parents meet while children play. Free, drop in any time. Monique de la Beji, 399-7656. — Hospitality event.

#### Wednesdays: Yoga Practice Sessions

12:10-12:50 p.m., Rec. Bldg., free. Ila Campbell, Ext. 2206.

#### Wednesdays: Weight Watchers at Work

noon-1 p.m., Brookhaven Center South Room, Mary Wood, Ext. 5923.

#### Wednesdays: beg.-adv. Dance Lessons

6-9 p.m., Brookhaven Center North Ballroom, Marsha Bedford, Ext. 5053.

#### Tues. & Thurs.: Aerobic Dance

5:15 p.m., Rec. Bldg. \$4 per class or \$35 per ten classes. Pat Flood, Ext. 7886; Susan Monteleone, Ext. 7235.

#### Mon., Tues., & Thurs.: Kickboxing

noon-1 p.m., Mon. & Thurs. and 5:15-6:15 p.m., Tues. & Thurs. Mary Wood, Ext. 5923, or wood2@bnl.gov.

May is Asian Pacific American Heritage Month. For specific events, see the notice on page 3, or visit <http://synchrotron.bnl.gov/asian>.

### — NEXT WEEK —

Monday, 5/7

#### \*Measurement Equipment Expo

11 a.m., Berkner Hall Keyence Corporation of America will feature a full line of products for Process/Facility improvement applications. For more information, contact Roy Hartmann, (201) 291-4000.

Tues. - Thurs. 5/8 - 5/10

#### \*Clothing Drive

Dress for Success Clothing Drive will be collecting attire for women re-entering the workforce. Nancy Concadoro, Ext. 2877.

Wednesday, 5/9

#### Voicestream Wireless Demo

10 a.m.-2:30 p.m., Berkner Hall A representative from Voicestream/Omnipoint Communications will present special rates to BNLers for digital PCS wireless service. For more information, contact Richard Goll, (516) 343-5900.

## Augie Hoffmann Pushes Pedal Power

Augie Hoffmann logs a lot of miles on his bike. He's one of a scattering of serious bicycle commuters at BNL.

"If it's not raining when I wake up, I ride," said Hoffmann, who makes the trip from his home in Eastport, a distance of 12.5 miles one way. Notice that he doesn't consider dark, cold, or light snow as obstacles. Hoffmann is a year-round, two-wheeler commuter.

Why is he willing to tackle 25 miles every day through four seasons? "I enjoy it," he said simply. Predictably, Hoffmann hates driving his car. "It seems like a waste of money and energy to use a car," he said, remarking that he recently saw someone drive a big Suburban from Human Resources to Accounts Payable to the Post Office.

He's also a strong advocate of regular physical exercise. Skiers know Hoffmann as the organizer of the Wednesday bus trips in search of upstate snow during the winter months.

On site, Hoffmann normally bikes between Buildings 510 and 832, where he divides his time working on the ATLAS experiment. ATLAS is a detector for the Large Hadron Collider at CERN, the European particle accelerator complex. He's a mechanical technician and has been with Brookhaven since 1979.

Out of the past 22 years, Hoffmann has been commuting by bike for at least 15. "I started with Ray Ceruti, who was al-

ready biking to work from Eastport," he recalled. A quick survey of the bikers on site showed that Ceruti, with 20 years, holds the record for year-round bicycle commuting. Others (and there aren't many) are Sorin-Viorel Badea, who has been a regular on the roads from Port Jefferson for 10 years; and Tom Russo, who has been doing it for two years from Manorville.

They all enjoy it. "Every ride is good," said Hoffmann. "I've counted over 30 deer just going from the NSLS out the gate. It's nice to see wildlife. Also, I've come up with a lot of good ideas, some of them work related."

Going at an average of 17-18 miles an hour, with a top speed of 25 mph when the wind is behind him, Hoffman is in the saddle for about 40 minutes one-way. On occasion, he gets a flat, which only slows him down about five minutes.

He uses an old mountain bike with street tires on it. And although the bike has 21 gears, he only shifts in and out of three for the relatively flat terrain he traverses. In the winter, he adds to his standard bike clothing a windproof layer, a reflective vest, and a light on his helmet. "I love riding at night," said Hoffmann. "It's a surreal experience, being just by yourself with a patch of light in front of you."

Hoffmann encourages others to get on their bikes. He said, "People who live within a ten-mile radius should ride in at least



Roger Stoutenburgh CN 4-253-01

once a week. Maybe the Lab would respond with bike paths."

He is so enthusiastic about biking that, on his last two trips to CERN, he brought his bike over so that he wouldn't have to use a rental car.

"You can't beat it for going into Geneva, especially during

the rush hour," he quipped.

Now that the weather is warmer, expect to see more bicyclists on the road. But come next winter, expect to see only the likes of Hoffman, Ceruti, Badea, and Russo, quietly and steadily pedaling through the darkness. — Mona S. Rowe

## Groundwater Cleanup Agreement Reached

Passing yet another major milestone in the ongoing groundwater cleanup at BNL, the U.S. Environmental Protection Agency (EPA), the New York State Department of Environmental Conservation (DEC), and DOE have agreed on a remedy to address groundwater contamination in western Manorville, just south of BNL. The agreement, reached after extensive regulator and public review and comment, allows DOE and BNL to move forward with design, construction and implementation of the proposed remedy.

The remedy is contained in a document titled "The Operable Unit VI Record of Decision." The document is available for review at local libraries and on BNL's Web site at [www.bnl.gov/erd/water/ou6/ou6rod.html](http://www.bnl.gov/erd/water/ou6/ou6rod.html).

The Record of Decision (ROD) presents the selected remedial action for a localized area of groundwater contamination in an undeveloped section of western Manorville located about 1,000 feet west of Weeks Avenue.

Groundwater in this area contains the chemical ethylene dibromide (EDB) at levels historically measured up to 6.0 parts per billion at depths of 90 to 130 feet below the land surface. Levels measured in recent monitoring are in the range of



Map of the EDB off-site contamination.

1.0 to 2.0 parts per billion. The state and federal drinking water standard for EDB is 0.05 parts per billion.

EDB was once commonly used throughout the country as a pesticide and gasoline additive. BNL applied EDB to fields on site in the early 1970s to sterilize them before agricultural research.

In 1996, DOE offered free public water hookups to residents in the Manorville area to prevent the potential for future exposure to EDB.

The selected remedy for the EDB contamination involves active treatment using a carbon system to clean groundwater. It works by filtering groundwater through carbon to remove the

contaminant and returning the clean water to the aquifer.

In 1996, DOE had proposed to monitor the EDB carefully and allow it to degrade naturally and disperse over time. However, after reviewing several years of groundwater monitoring data, receiving additional comments from regulatory agencies, and obtaining data from a similar carbon system operating on Cape Cod, the plan was changed to use active treatment to speed cleanup of the area.

The ROD agreement follows several public participation activities held by DOE and BNL to obtain input on the Operable Unit VI investigation and potential cleanup approaches. Two information sessions and a public meeting on Operable Unit VI issues were held at the Lab in the fall of 1996, and another information session was held in the summer of 2000. These events generated comments and concerns that have been made part of the public record.

The ROD contains a Responsiveness Summary, which documents public comments on the proposed remedial actions and DOE responses to those comments.

The next step in the cleanup project involves the detailed planning and design of the remedy, including the number and locations of treatment wells.

The construction and installation of this treatment system will then proceed according to the design once approved by DOE, EPA, and DEC. Once construction is complete, the system is expected to operate for approximately nine years.

— Peter Genzer

## Women's Business Clothing Drive Dress For Success

Work-related clothing for women seeking employment will be collected next Tuesday, Wednesday, and Thursday, May 8-10, by the "Dress For Success" community service program coordinated by BNL's Women's Program Advisory Committee and the Town of Brookhaven.

Dress For Success collects women's business attire such as: business suits; skirts; jackets; blouses; new, packaged pantyhose; handbags; and briefcases. *Note that dresses, undergarments, shoes, used pantyhose, and men's clothing cannot be accepted.*

Clothing should be in excellent condition, dry cleaned or freshly laundered, and on hangers. Sizes 16 and up are especially needed. To give clothes, contact:

Contact person	Bldg.	Ext.
Nancy Concadoro	185	2877
Cindy McQuiken	510A	2396
Peggy Sutherland	197B	3131
Donna Grabowski	535	2720
Nedy Santiago	475B	3402
Victoria McLane	197D	5205
Stephanie LaMontagne	1005	7141

## Benefit Notes

For more information, contact Nancy Concadoro between 8:30 a.m. and 1 p.m., Monday to Friday in the Benefits Office, Bldg. 185, Ext. 2877; or call (800) 353-5321.

### Qualifying Events

Changes to medical and/or dental coverage may be made only during the annual open enrollment or within 31 days of when what is called a qualifying event occurs. Qualifying events include birth or adoption of a child, marriage, divorce or legal separation, loss of dependent status (e.g., due to graduation), or a spouse's gain or loss of employment.

## NSLS Annual Users Meeting

Monday-Thursday, May 21-24

### Monday's Workshops

Forum: Need for Advanced Detector Development for Synchrotron Radiation (7:30 - 9 a.m.)  
Environmental Molecular Sciences  
Synchrotron Techniques for Catalytic Studies  
Frontiers in Structural Biology at High-Brightness X-Ray Sources

### Tuesday's Annual Meeting:

Keynote Speaker: Jane "Xan" Alexander, Acting Director, Defense Advanced Research Project Agency (DARPA)

### Wednesday's Workshops:

Advanced Methods and Tricks of EXAFS Data Modeling  
Applications of Synchrotron Radiation in Nanoscience and Technology  
IR-Micro-Spectroscopy: A Molecular Probe and Micron Resolution

### Thursday's Workshop

XAFS Data Reduction and Analysis Using WinXas  
Meeting includes invited speakers, equipment exhibit, contributed posters, and contest.

### Tuesday Night Banquet - Hawaiian Luau held on site.

For more information and registration fee schedule, consult the Web site at <http://nslsweb.nsls.bnl.gov/nsls/users/meeting/Default.htm> or contact Lydia Rogers, conference coordinator, Ext. 4746, Fax: Ext. 7206.

### Bassoon, Piano

## Noon Recital, 5/9

In high demand as a soloist and chamber musician, bassoonist Gili Sharett (top, right) will perform with piano accompanist Jenny Mitchell (below, right) on Wednesday, May 9, in Berkner Hall. Sharett has won two first prizes in the Rubin Academy of Music — for solo and chamber music — and a second prize in the Stony Brook solo competition.

Piano accompanist Jenny Mitchell has made broadcasts for Vermont Public Radio, the CBC, and German Public Radio. She is this year's recipient of the Canadian Federation of University Women's Creative Arts Award.



## Calendar

(continued)

### Wednesday, 5/9

#### Rifle & Pistol Club Meeting

noon, Bldg. 535A Conference Room. Jim Duman, Ext. 5993, Sue Foster, Ext. 5529, the Club's hotline, Ext. 2658, or the Club's Web page, [www.berahome.bnl.gov/clubs/rpc/rpc.html](http://www.berahome.bnl.gov/clubs/rpc/rpc.html).

### Thursday, 5/10

#### Skin Cancer Screening

9 a.m.-noon at the Occupational Medicine Clinic. Mary Wood, Ext. 5923 or wood2@bnl.gov.

#### BERA Bridge Club

7 p.m., Berkner Hall cafeteria Morris Strongson, Ext. 4192, mms@bnl.gov.

### Friday, 5/11

#### GLOBE Meeting

BNL's gay and lesbian club, GLOBE, will hold its monthly meeting. For more information and the meeting's location, contact Mike Loftus, Ext. 2960, or Chris Gardner, Ext. 4537.

## — WEEK OF 5/14 —

### Monday, 5/14

#### \*Cooking Exchange

9 a.m.-noon, Recreation Bldg. (See notice - page 3.)

### Wednesday, 5/16

#### Brookhaven Lecture

4 p.m., Berkner Hall. Laura Henderson Lewis, "Advanced Composite Magnets."

### Thursday, 5/17

#### \*Asian Pacific Heritage Talk

4 p.m., Berkner Hall, Nobel Laureate Chen Yang will talk on the Museum Collection of Chinese Arts in North America.

## — WEEK OF 5/21 —

### Monday, 5/21

#### BERA Golf Tournament

Heatherwood Golf Course \$35 per person — two-person scramble event. Joe Carbonaro, Ext. 5139 or carbonar@bnl.gov.

#### 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, 5/24

#### BERA Bridge Club

7 p.m., Berkner Hall cafeteria Morris Strongson, Ext. 4192, mms@bnl.gov.

### Monday, 5/28

#### \*Cooking Exchange

9 a.m.-noon, Recreation Bldg. (See notice - page 3.)

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](mailto:bulletin@bnl.gov). Write "Bulletin Calendar" in the subject line.

## Crystallography (cont'd.)

at the same time and are able to show their wares."

There were several volunteer instructors from various industries, including Bram Schierbeek, who works for Bruker/Nonius, a Dutch and German company that makes a variety of crystallography equipment, including detectors and software.

Says Schierbeek, "We think it's good to meet people who use the equipment and see what problems they are encountering so we can use this in our design of software — and tell them about the good things we make."

The BNL scientists and these volunteers then served as hands-on scientific supervisors when the students moved to the NSLS beam lines to begin collecting data on their crystal samples.

Emma Jakobsson, a Ph.D. student from Uppsala University in Sweden, particularly appreciated this aspect of the program. "Usually when you are working, you don't have somebody that can take their time to help you . . . and set up the experiment in the optimal way," she said. But in this program, "there is always someone you can ask."

According to Sweet, the plan was for the students to run 24 experiments using six of the NSLS macromolecular crystallography beam lines for 60 hours straight. At about 9 p.m. on Tuesday, however, after just one group had begun to collect data, the synchrotron went down. It took until about 1:30 a.m. to get it up and running.

But the students took the delay in stride, working in groups of eight with their scientist advisors to plan how best to use their time. When last seen, they were huddled around beam-line computer terminals, clustered in conversation, and getting on with their work.

"It's really nice to be able to concentrate on this aspect — collecting data and solving structures — which is the last part of experimentation in x-ray crystallography," said Srikripa Devarakonda, a Ph.D. student from the University of Virginia. This was her first trip to a synchrotron. And with a background in physics, like a kid in a candy store, she seemed genuinely excited to see how it worked.

— Karen McNulty Walsh

## May is Asian Pacific American Heritage Month



The Diversity Office, in cooperation with the Asian American Center Bridge from Stony Brook University, encourages everyone to explore the beauty and splendor of Asia and the Pacific Islands through a poster display at Berkner Hall from Wednesday, May 2, through Thursday, May 31. For additional events commemorating Asian Pacific American Heritage, see the posters around site and <http://synchrotron.bnl.gov/asian>.

Some planned events are:

**Today, Friday, May 4, noon-1 p.m.**  
Berkner Hall: Chinese Harp, Philippine Folk Dance, Korean Drums.

**Tuesday, May 8, noon to 1 p.m.**  
Brookhaven Center North Room, Falun Gong, Chinese Art of cultivating universal life energy.

**Friday, May 11, noon-1 p.m.**  
Video Show, Berkner Hall, "Ancestors in the Americas, Part 2."

**Friday, May 11, 7 p.m.-midnight**  
Brookhaven Center North Ballroom, Dance Social, dance presentation; \$2.

**Monday, May 14, 11 a.m.-2 p.m.**  
Asian arts, crafts, costumes, more.

**Thursday, May 17, 4 p.m.**  
Berkner Hall, Nobel Laureate C.N. Yang, Stony Brook University's Albert Einstein Professor Emeritus, will talk on the "Museum Collection of Chinese Arts in North America."

**Friday, May 18, noon-1 p.m.**  
Brookhaven Center North Room, Yoga: Traditional Art of Exercise and Meditation.

**Tuesday, May 29, noon-1 p.m.**  
Berkner Hall, Indian Music and Dance Program.

## BNL Is a Prize

Who is Frédéric Joliot Curie? Didier Leterq, an engineer working at the French Atomic Energy Commission, CEA in Valduc, knew that Curie was a French physicist, who, with his wife, Irène, daughter of Marie Curie, developed the first artificial radioactive element. Leterq also answered ten questions correctly on Curie's life and identified him in a 1948 photo.

Leterq answered the questions as part of a contest sponsored by CEA last year to celebrate the 100th anniversary of Curie's birth. For his efforts, Leterq won the first prize, a one-week trip to New York City, including a day's tour of BNL, with particular concentration on the Lab's state-of-the-art imaging facilities.

David Schlyer, Chemistry Department, hosted the tour for Leterq and his wife, Valérie. Besides touring the BNL site, the couple visited the cyclotron, the Positron Emission Tomography facility, and the Magnetic Resonance Imaging facility.

What did Didier Leterq like best about BNL? His response: "The passion of the scientists for their work." An apropos comment, as BNLers will recall that BNL's motto is "a passion for discovery."

— Diane Greenberg

## Defensive Driving

A six-hour defensive driving course will be offered on Saturday, June 23, 9 a.m.-3:30 p.m., in Berkner Hall, Room B.

The course is open to BNL, BSA and DOE employees, BNL facility-users, and their families, at \$23 per person. To register, send a check to Empire Safety Council, in care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. All checks must be received by June 16. Include your phone number in case you need to be contacted.

Dosimetry badges will be exchanged today, Friday, May 4. Remember to place your badge in its assigned rack space before leaving work today.

## Cooking Exchange

Everyone is invited to a cooking exchange that will be held on Monday, May 14, and Monday, May 28, 9 a.m.-noon, in the Recreation Bldg. in the apartment area. To attend, call Marcia Leite, Ext. 1040, and bring \$2 to contribute to the cost of ingredients.

## Arrivals & Departures

### Arrivals

Olaf S. Dressler ..... C-AD  
Tianbo Liu ..... Physics  
John A. Mace ..... Env. Sci. & Tech.  
Qiang Zhao ..... Instrumentation

### Departures

Yan Guo ..... Biology  
John B. Laurie ..... Info. Svcs. Div.  
Joon M. Song ..... Biology  
Sean R. Spillane ..... Physics

## 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/JOBS/jobs.html](http://www.bnl.gov/JOBS/jobs.html).

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside candidates.

TB2226. SCIENTIFIC ASSOCIATE IV (P-1) (term appointment) - Requires a BS degree in a physical science (physics, chemistry, engineering), excellent communication skills, and a demonstrated ability to learn to operate complex apparatus and computer software. Experience in the operation of the UNIX computer operating system and in electromechanical debugging and troubleshooting is desirable. Under general supervision will assist users of the structural biology beam lines located at the National Synchrotron Light Source 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.

NS7234. TOUR WORKERS (Sundays/July-August) - Requires excellent communication skills, an interest in science, and the ability to work Sundays. As part of the Sunday Tour Program, will be responsible for interacting with the public and communicating technical and scientific information. Community Relations Office.

(continued on page 4)

## Placement Notices

(continued from page 3)

NS7231. PUBLIC AFFAIRS REPRESENTATIVE (Term Appointment) (A-4) - Requires a bachelor's degree in an appropriate field, several years' experience in a public affairs environment, excellent oral and written communication skills, and the ability to work under pressure and grasp complex concepts quickly. Prior experience in a writing/journalism discipline, facilitation skills, web page production skills, and an understanding of the CERCLA community involvement requirements are highly desirable. Primary responsibilities will include design and production of written communication materials, coordination and facilitation of stakeholder involvement processes for Environmental Restoration programs, and direct interaction with stakeholders. Community Involvement, Government and Public Affairs.

TB8773. SENIOR BUYER (A-6, reposting) - Requires a bachelor's degree in business or related experience in the field. With minimal supervision, the successful candidate will coordinate the complete procurement function from requisition to delivery in accordance with standard procurement operating procedures. Responsibilities will include procurement of complex, large quantity and/or high monetary value materials, supplies, and equipment. The candidate should have the ability to handle special projects and programs. Knowledge of the FAR's and DEAR's highly desirable. Procurement and Property Management Division.

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## Measurement Equipment Mini-Expo, 5/7

On Monday, May 7, at 11 a.m. in Berkner Hall, Keyence Corporation of America will host a "Mini-Expo" featuring equipment such as CCD laser triangulation displacement sensors, thru-beam laser scan micrometers, gaging sensors, and more. Visit the expo to receive a free robotic calculator. For more information, contact Roy Hartmann, (201) 291-4000.