

## BNL 50th Anniversary Distinguished Lecture Explosive Growth Of Biotechnology



**Arthur Kornberg**

Genetic engineering and related biotechnologies have revolutionized biology and medical science.

With the explosive growth of biotechnology and its potential for changing the basic nature of life, researchers must face societal concerns, including a questioning of the need for basic science, the pros and cons of biotechnology, and uses and possible abuses of advances in genetic knowledge.

Arthur Kornberg, who won the Nobel Prize in Medicine in 1959, will discuss the implications of these concerns and reflect on the roots, current status and future directions of biotechnology in the fourth talk of the BNL 50th Anniversary Distinguished Lecture Series.

"Biotechnology: Biology or Technology?" is the title of the lecture, which will be held on Wednesday, June 11, at 4 p.m. in Berkner Hall.

At 11 a.m. on the same date, Kornberg will present a seminar on "Inorganic Polyphosphate: A Molecular Fossil Come to Life," in the Biology Department's seminar room, Bldg. 463.

Inorganic polyphosphate is not mentioned in microbiology textbooks and is even dismissed by some scientists as a molecular fossil, although the polymer is found in every living thing — bacteria, fungi, plants and animals — and it is a likely precursor and catalyst in early evolution.

At the June 11 seminar, Kornberg will discuss his studies of inorganic polyphosphate, which show that it performs essential roles in cellular responses to environmental and nutritional stresses and in the adaptations that cells make for survival.

After earning a B.S. from City College of New York in 1937 and an M.D. from the University of Rochester in 1941, and taking a year's internship in internal medicine, Kornberg served

(continued on page 2)

## Six Workers Accidentally Exposed to Radiation At Brookhaven Medical Research Reactor No Release of Radioactivity to Environment

Six workers received radiation doses, but no radiation was released to the environment, on Tuesday, June 3, when a small amount of short-lived radioactivity was released from a scientific sample inside the confinement area of the Brookhaven Medical Research Reactor (BMRR) in BNL's Medical Department. Neither the reactor's fuel nor its cooling water was involved in the incident.

The workers had been irradiating a small sample of plastic wrap in the reactor prior to a science experiment when the plastic partly volatilized, releasing radioactivity within the sealed room. The released material was later determined to be chlorine-38, which has a half-life of 37 minutes.

Air-monitoring equipment showed no release of radioactivity to the environment. Because of the short half-life of the radioactive element and the small amount of plastic involved, all the resulting contamination within the reactor enclosure decayed naturally within several hours, and the area has since been declared uncontaminated.

Radiation doses to the workers who were inside the reactor confinement at the time of the incident are still being evaluated. However, preliminary indications are that the highest radiation dose received by any worker as a result of the incident was a skin dose to one worker less than the dose from a typical dental x-ray. The workers were decontaminated, examined and released.

The incident has been reported to the U.S. Department of Energy, the U.S. Environmental Protection

Agency, the New York State Department of Environmental Conservation and the Suffolk County Department of Health Services.

An investigation has begun to determine the reasons for the incident and to identify steps to prevent similar incidents in the future.

The BMRR, which operates at 1,000 times less power than a commercial power plant, was running when the plastic wrap was irradiated.

The reactor was shut down at the conclusion of the irradiation, prior to the release of the radioactivity from the sample.

The medical reactor is a separate facility from the High Flux Beam Reactor, which is a 30-megawatt reactor that is currently off-line.

The BMRR is used each year by 75 scientists from seven institutions and several companies to irradiate samples for studies in biology, chemistry, physics and materials science.

"This incident is exactly the kind of thing that we'll be trying to prevent through our new dedication to integrated safety management at Brookhaven," said Interim BNL Director Lyle Schwartz. "Obviously, we have lessons to learn — we need to instruct our workers to be more conscious of the safety and environmental implications of their experiments, and of all activities at the Lab. We can't prevent every occurrence on a site of this size and complexity, but we will do everything in our power to heighten the awareness of our employees and the thousands of scientific users who come to BNL every year." — Kara Villamil

## Users Updated on Achievements at NSLS

In the annual state of the National Synchrotron Light Source (NSLS) address to the nearly 300 users attending the 1997 annual NSLS Users Meeting on Tuesday, May 20, NSLS Chairman Michael Hart described a healthy, dynamic community of nearly 2,275 synchrotron-radiation users, 86 percent coming from universities, industry and other labs in the United States, with the remaining 14 percent from abroad.

While the totals and percentages are nearly the same as last year's, each year for the past three years some 800 of those users have been new to the NSLS. As a result, the NSLS remains the scientific facility used annually by the most scientists in the world.

Of the NSLS' recent achievements, Hart discussed the ongoing upgrade of 30 beam lines to be completed next year, the awarding of 12 grants to NSLS users after peer-reviewed competition under the federal Scientific Facilities Initiative, and the accomplishment of six upgrades during the last scheduled shutdown in December.

In addition, in asking the users to consider how using synchrotron ra-



Roger Stoutenburg

**Pictured at the 1997 annual Users Meeting of the National Synchrotron Light Source (NSLS) are its organizers: (back, from left) Yves Idzerda, Naval Research Laboratories; Gavin Watson, University of Maryland, Baltimore County; (front, from left) Nancye Wright, NSLS User Administration Office (UAO); Linda Feierabend, NSLS UAO; organizing committee chair Joe Brock, Cornell University; Eva Rothman, NSLS UAO. Missing is David Johnson, BNL Chemistry Department.**

diation (SR) as a research tool has not only impacted their individual programs but also their fields, Hart re-

minded the users of the unique capabilities of the NSLS within the world of SR sources. —Marsha Belford

## AUI Revokes Termination Notice, Advocates Appointment System to DOE

As was announced in a memorandum to the scientific staff dated Thursday, May 29, Associated Universities, Inc. (AUI), has revoked the termination of scientific appointments notice given to BNL scientists at a Berkner Hall meeting last Tuesday, May 27 (see Brookhaven Bulletin, May 30, 1997).

Paul Martin, Chairman of the AUI Board of Trustees, and Lyle Schwartz, AUI President and Interim BNL Director, made the decision "that there is no immediate need for the proposed notice to be issued" because of the concern expressed by the scientific staff at the May 27 meeting, coupled with the U.S. Department of Energy's (DOE) announcement in the *Commerce*

*Business Daily* that DOE is going "to require any successor contractor for the operation of Brookhaven to offer employment to virtually all Laboratory personnel currently employed, at comparable pay and benefits."

Though Schwartz noted in the memo that DOE has not yet decided whether or not to require the successor contractor to offer a system of scientific appointment comparable to AUI's, he wrote, "AUI will be making every effort to have DOE include [that] requirement in the [Request for Proposals]. We will keep you informed of our progress in this regard."

— Marsha Belford

## BNLer's Efforts Put 'Something Special' in the Air Over Long Island

Two years ago, Jim Licari had a strong desire "to do something special" to honor the memory of his wife Louise, who had died two years earlier.

On Saturday and Sunday, June 21 & 22, some 60,000 people will enjoy that something special when they attend the Wings Over Long Island Air Show and see Licari's desire transformed into exciting reality.

Though he didn't know what it would be at first, Licari, an administrator with the Relativistic Heavy Ion Collider Project, set out to do something special in terms of fund-raising for the Middle Island Rotary Club. Then, when he saw his first air show on television, "I got chills up and down my spine," he said.

A short time later, Licari went for a haircut and mentioned the air show he had seen. His haircutter said she could get him more information from a relative at the Pentagon. Sure enough, she called Licari two weeks later to



Getting in the mood for the Wings Over Long Island Air Show to be held in Westhampton on June 21 & 22, BNLer Jim Licari (left), who conceived of the event, flies over the Lab site in a friend's Cunard plane.

tell him about the International Council for Air Shows in Las Vegas.

So Licari and some Rotary friends flew to Nevada to see if such a fundraiser would be feasible. "We found out it's a tremendous industry," he said, "second in attendance to any sport after baseball."

Licari and company returned full of enthusiasm, but his club "thought we were crazy because the idea was so big." So Licari promised he would seek support from other Rotary Clubs.

Rotary is an international organization with more than 28,000 clubs in 155 countries. Its combined membership of nearly 1.2 million business and professional people share the purposes of providing humanitarian service, encouraging high ethical standards in all vocations, and building good will and peace in the world.

Licari, who is currently president of the Middle Island Rotary Club, approached two of the 32 other Rotaries in Suffolk County — Westhampton and Riverhead — and convinced them to team up with his group to present the 1997 Long Island Air Show at Frances S. Gabreski Airport in Westhampton.

Gabreski Airport is the home of the 106th Rescue Wing of the New York Air National Guard. At the air show,

members of the 106th will perform an HH-60 fly-by and rescue demonstration. Other flying events will include:

- the Northern Lights, Canada's premier civilian aerobatic team;
- Patty Wagstaff, three-time U.S. National Aerobatic Champion;
- Formula V air racing, a competitive motor sport where race planes can reach lap speeds over 170 mph;
- Ian Groom, who performs solo aerobatics with the FUJI FILM Russian-built SU-31;
- Dave Dacy, who flies his Super Stearman solo and with Hollywood stuntman and wing walker Johnny Kazian on and between the wings!

The days' events will also feature various displays on the ground, including a C5A, the largest U.S. military freight plane, which can house 18 coach buses, as well as a variety of vintage military planes, including some manufactured on Long Island by the Grumman Corporation.

Tickets for the show are on sale at the BERA Sales Office in Berkner Hall, at \$16 for adults and \$11 for children ages 6-12 (children under 6 are admitted free). At the gate, tickets will be \$18 and \$12, respectively.

Tickets are good for either day of the weekend, and the air show will be the same on both days. The flying events will take place from noon to 4 p.m. each day, but people are welcome to enjoy the rest of the events from 9 a.m. to 5 p.m.

"The average person spends about six hours at a show," said Licari, who expects this event to appeal to thousands of people because "there isn't a family on Long Island that hasn't been touched by aviation in some way."

All of the proceeds from the show, which Licari hopes will reach at least \$100,000, will go to scholarships and charities — precisely what Licari had in mind when he started thinking about a fund-raiser. But Licari doesn't take the credit. Thinking about the chain of events that led to this event, he said, "The big guy upstairs wanted me to do it, and I made a commitment to him." — Anita Cohen

## Tritium Exposure From Exit Sign: RAP Team Goes to the Scene

If there's an incident or accident involving radioactive materials anywhere in 11 northeastern and mid-Atlantic states or the District of Columbia, members of the U.S. Department of Energy's (DOE) Radiological Assistance Program (RAP) team here at Brookhaven will respond, to assist federal, state and local governments in handling incidents involving radioactive materials.

That's what happened on May 11, when the team was dispatched to Union, New Jersey, after a 16-year-old boy was exposed to radioactive tritium gas from a self-illuminating exit sign. A tritium-lighted exit sign may contain up to 25 curies of tritium gas.

The teenager told officials that he had removed three exit signs from a demolition site, then taken them home. While eating a snack in his basement bedroom, he dismantled one of the signs, in the process breaking several tubes containing the tritium gas.

After seeing the radioactive materials label on the back of the sign, the boy contacted local emergency-response personnel, which ultimately prompted the RAP response.

The RAP team collected urine samples from the teenager and others who had visited him in his home, and took samples from the bedroom and other areas of the house to determine the extent of contamination.

The boy's tritium uptake was esti-

mated to be a dose comparable to the dose an individual typically receives in one year from natural background radiation — about 300 millirems.

Tritium is the radioactive form of hydrogen and replaces hydrogen to become part of the water molecule. So, to speed up the natural process of elimination and, thus, eliminate the tritium from his body more rapidly, the boy was told to drink lots of fluids.

A urine sample collected from the teen on the day of the incident showed a concentration of 28.6 million picocuries per liter (pCi/L); a sample taken two days later showed 15 million pCi/L.

Only minute traces of tritium were found in other individuals; moderate contamination was found in the boy's bedroom, but only trace amounts were detected elsewhere in the house.

The event does not pose a health hazard to the boy or to other members of the public.

Every RAP response is aimed at protecting people and property. The Northeast RAP team is headquartered at Brookhaven and staffed by DOE personnel, as well as BNLers, who represent DOE when on a RAP assignment. Personnel responding to this incident included: Steven Centore of DOE's Brookhaven Group, and Alan Kuehner and Mark Linsley of BNL's Safety & Environmental Protection Division. — Anita Cohen

## Anniversary Lecture (cont'd.)

as a commissioned officer in the U.S. Public Health Service from 1942 to 1953.

He was first assigned to the Navy as a ship's doctor, and he later served as a research scientist at the National Institutes of Health.

Kornberg then joined the Washington University School of Medicine in 1953, where he was Professor and Head of the Department of Microbiology. In 1959, he became Professor and Chairman of the Department of Biochemistry at Stanford University School of Medicine, where is now Professor Emeritus.

The author of six books, including *The Golden Helix: Inside Biotech Ventures*, in 1995, Kornberg has won numerous honors for his investigations into the nature of enzymes and DNA, among them the Nobel Prize in 1959, which he shared with Severo Ochoa, and the National Medal of Science in 1979. — Diane Greenberg

## Memorial Fund For Cynthia Quinn

The Alternating Gradient Synchrotron (AGS) Department is collecting donations from BNLers who wish to contribute to a memorial fund for the family of the late Cynthia Quinn, the 32-year-old wife and mother of two, and teacher at the Patchogue-Medford High School, who was murdered in Yaphank on Saturday, May 31.

Quinn's father, William Sims, is an engineer at the AGS.

Send contributions, in the form of checks payable to the Cynthia Quinn Memorial Fund, to Marion Heimerle, AGS, Bldg. 911B.

### Note to Employees:

Attendance at lectures, meetings and other special programs held during normal working hours is subject to supervisory concurrence.

## 'Visit' BNL on Family Day

As a BNL employee or guest, you know the Laboratory as a great place to work. But you may be so busy in your daily job that you never have the time or the opportunity to "visit" and learn about what's going on in the rest of the Lab.

So, be a visitor to BNL tomorrow, Saturday, June 7, on Family Day: As part of the Laboratory's 50th anniversary celebration, you and your family

are invited to come back to BNL from 10 a.m. to 5 p.m. to see the following (listed in alphabetical order):

- the **Alternating Gradient Synchrotron's** control room and physics displays;
- **Berkner Hall**

**exhibits** on Long Island's groundwater and radiation in everyday life;

- the **Biology Department's** Scanning Transmission Electron Microscope, Human Genome Project, and Protein Data Bank;
- the **Chemistry Department's** PET brain scanner, laser and chemistry labs, and scientific glassblowing;
- the **Computing & Communication Division's** 3-D visualization room, teleconferencing facility and Java station;
- the **Department of Advanced**



The new Brookhaven Graphite Research Reactor was shown 45 years ago on the cover of the brochure for BNL's first Visitor's Day.

**Technology's** displays in Berkner Hall, • the **BNL Firehouse** and its fire engines;

• the experimental floor of the **High Flux Beam Reactor** from the balcony level;

• the **Instrumentation Division's** re-creation of the world's first video game, developed at BNL by Willy Higinbotham in the 1950s;

• the **Medical Department's** displays on cancer therapy, osteoporosis, and more;

• the **National Synchrotron Light Source's** experimental stations and displays;

• the **Office of Technology Transfer's** display on how BNL

interacts with Long Island industry;

• The **Relativistic Heavy Ion Collider's** tunnel, ring and STAR experiment;

• the **Science Museum's** interactive exhibits on 3-D, sound and bridge-building;

• the inside of the **Tandem Van de Graaff** accelerator; and

• the brand-new **Waste Management Facility**.

You can also join the Family Bike Ride at 9 a.m. and enjoy free refreshments in Berkner Hall.

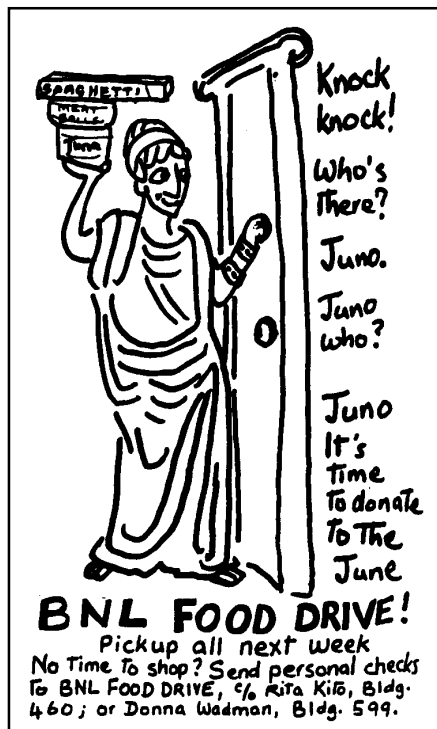
## How to Request Travel

The Travel Office in the Administrative Support Division (ASD) reminds all BNLeers who go on official travel that they can obtain a travel request form for travel that is at least three business days in the future via either e-mail or the World Wide Web (WWW).

To do the former, send an e-mail message to [travel-form@bnl.gov](mailto:travel-form@bnl.gov); then return the completed form to [travel@bnl.gov](mailto:travel@bnl.gov). To do the latter, access the ASD home page, which is located at <http://www.fsd.bnl.gov/ada/travelform.htm>. Those who have WWW browsers that cannot support tables should go to <http://www.fsd.bnl.gov/ada/traveltext.htm>.

The Travel Office will then confirm itineraries and give travel advice by fax or phone.

For more information, contact Sylvia Mouzakes, Ext. 2531 or e-mail [mouzakes@bnl.gov](mailto:mouzakes@bnl.gov).



## Arrivals & Departures

### Arrivals

**William J. Bambina**.....NLSL  
**Julia Kreychman**.....Biology  
**Frank W. Telang**.....Medical  
**William D. Rooney**.....Chemistry

### Departures

This list includes all employees who have terminated from the Lab, including retirees:

**Sahlu Ayalew**.....Biology  
**Michael S. Benedetto**.....Central Shops  
**Monica Chen**.....Applied Science  
**Stanley W. Doskoz**.....Central Shops  
**Robert W. Eifert**.....Central Shops  
**John W. Heslin**.....AGS  
**Herbert Hildebrand**.....RHIC  
**Bom Soon Lee**.....Advanced Tech.  
**Fesseha G. Mariam**.....RHIC  
**Joyce E. Towell**.....Safety & Envir. Prot.  
**Jenn Yue Wang**.....Applied Science

Dosimetry badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.

# BROOKHAVEN BULLETIN

Published weekly by the Public Affairs Office for the employees of BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor  
 MARSHA BELFORD, Assistant Editor

Bldg. 134, P.O. Box 5000  
 Upton NY 11973-5000  
 Tel. (516) 344-2345; Fax (516) 344-3368

World Wide Web:  
<http://www.pubaf.bnl.gov/bulletin.html>

The Brookhaven Bulletin is printed on paper containing at least 50 percent recycled materials, with 10 percent post-consumer waste. It can be recycled.



## Session Slated on Conduct of Operations

BNL quality representatives and other interested BNLeers are invited to attend a conduct-of-operations coordinators meeting, from 9:30 to 10:30 a.m., on Wednesday, June 11, in room 63, Bldg. 901. There, the recently released Integrated Safety Management

Evaluation of BNL, done by the U.S. Department of Energy, will be summarized and an overview of the Lab's conduct of operation program will be presented. To reserve a place, contact Gina Bernard, Ext. 3689 or e-mail [ginab@bnl.gov](mailto:ginab@bnl.gov), by Monday, June 9.

## Give Blood — It's Easier Than Ever

A blood drive will be held at the Brookhaven Center on June 18-19, from 9:30 a.m. to 3:00 p.m., and will be run more informally this year than in the past, according to Blood Drive Chair Susan Foster. Instead of Blood Drive captains and pledge cards, potential donors need only contact Foster to set up a time to donate.

Foster hopes to collect at least 500 units of blood, which means about 580 people need to turn out. The need for donated blood is great during the summer months. The blood drives at BNL, with its more than 3,000 employees, play a key role in replenishing Long Island's blood supply.

"Long Island Blood Services depends on us for these blood donations," Foster said. "It's all of our responsibility to be sure that the blood supply is plentiful and safe."

In addition to changing the sign-up procedure, organizers have scheduled an additional blood drive this year. In the past, blood drives have been held in June and December; this year a one-day drive will be added in September to accommodate the donors who wish to give more often.

Experienced donors are encouraged to bring friends and family members who may not have donated before and use the buddy system, where experienced donors schedule appointments at the same time as first-time or reluctant donors. Everyone on site, including all summer visitors, is encouraged to participate. Before donating, be sure to eat a normal breakfast or lunch and drink plenty of fluids, but avoid alcohol and caffeine, which may cause dehydration.

Donated blood is separated into its components, and one unit of blood may help as many as five people. Red blood cells might help a patient undergoing surgery, for example, while the plasma could help an accident victim. Platelets are often given to cancer patients undergoing chemotherapy.

Many BNLeers have donated blood for years. Ed Sperry IV, a technical specialist at the Relativistic Heavy Ion Collider Project, has given more than four gallons during his 19 years at the lab.



Ed Sperry IV

"They can't produce blood," Sperry said. "People continue to need it, and the only way they can get it is from donations."

Sperry, like other donors, donates out of a sense of altruism, but he sometimes thinks what would happen if the shoe were on the other foot.

"Someday I might need blood," he said, "and I hope people will donate for me."

To donate blood, contact Susan Foster by e-mail at [foster2@bnl.gov](mailto:foster2@bnl.gov). E-mail messages should include the date and time that you prefer to donate, and your phone extension; Foster will confirm your request, and it's up to you to mark your calendar. For those without e-mail, phone Foster at Ext. 2888.

— Dan Ferber  
*Dan Ferber, a graduate student in journalism at the University of Illinois at Urbana-Champaign, is a summer student in the Public Affairs Office.*

## Strawberry Fields Ripe for the Picking

The early bird gets the strawberries.

That's the consensus of area strawberry farmers, who will open their fields to the public beginning this weekend, weather permitting. This season's crop of the tasty, red fruits is almost ready for picking, farmers say. A few more days of sunny weather will put the finishing touch on the crop.

To get the sweetest basket of pick-your-own berries, says Gail Glover, who farms with her husband at Ken Glover Farms in Brookhaven, "the best picking is early in the day."

Not only are the fruits tasty, but they are cheap. At about \$1.25 a quart, they are about half the cost of supermarket strawberries, with at least twice the taste.

Farmers advise prospective berry pickers to call first and make sure the fields are open — sometimes they are picked clean. The farmers also suggest squatting down and looking under the leaves. Ripe strawberries often hang hidden there, waiting for the adroit berry gatherer. It's also a good idea to wear old shoes in case the fields are wet, and sunscreen and a hat — there is no shade out in the fields.

If this all seems like too much work, but you still want to enjoy local strawberries — no problem. Fresh berries will soon be available at area farm stands and at the BNL farmer's market, held each Wednesday from 11:30 a.m. to 1:30 p.m. in the parking lot opposite Berkner Hall, near the tennis courts. And then there is the Mattituck Lions Strawberry Festival on Saturday, June 14 — an old-fashioned country fair with midway rides, music, fireworks, a craft fair and, of course, strawberries (call 298-2222 for more information and directions).

Strawberry-picking season will last only until early July. So get out there soon — these strawberry fields are not forever.

Aspiring strawberry-pickers can call the hotline at the Cornell Cooperative Extension (369-2100 in East Suffolk, 854-1450 in West Suffolk) and press 0302 for the names and hours of nearby strawberry farms. The following is a small sampling of pick-your-own farms in the area:

- **Anderson Farms:** Route 58, Riverhead. Call the farm stand, 727-2559, or call the Andersons, 727-1129. Open daily, 9 a.m.-6 p.m. on weekdays, 8 a.m. to 6 p.m. on weekends.
- **Ken Glover Farms:** Yaphank Avenue, Yaphank, directly across from police headquarters. Call 286-7876. Open daily, 8 a.m. to 6 p.m.
- **Edmund Hodun & Sons:** River Road, Calverton, 727-2618 or 369-2241. Open daily, 8 a.m. to 6 p.m.
- **Lewin Farms:** Sound Avenue, Wading River, 929-4327. Open daily, 8 a.m. to 5 p.m.
- **May's Farm:** Route 25A, one mile east of William Floyd Parkway, Wading River, 929-6654. Open daily, 8:30 a.m. to 6 p.m.
- **Rottkamp's Fox Hollow Farm:** 2287 Sound Ave., Calverton, 727-1786. Open daily, except Wednesdays, 9 a.m. to 4:30 p.m.



## Last Day for Books

Today, June 6, is the last day of the annual BERA spring book fair — so, rush to Berkner Hall between 10 a.m. and 3 p.m., grab a cup of coffee and a corner chair, and browse or buy *The New York Times* bestsellers, cookbooks, children's books and other quality hardbacks offered there at discounted prices. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.

## Cooking Exchange

The Hospitality Committee invites all on-site residents and their friends to the monthly Cooking Exchange potluck luncheon, which will be held on Thursday, June 12, from noon to 1:30 p.m. in the Recreation Building in the apartment area. Bring your favorite dish to share. Children are welcome, but also bring a toy or two for their amusement. For more information, call Greta Kiers, Ext. 1036.

## Rifle & Pistol Club

The Rifle & Pistol Club meets on the second Wednesday of each month, so the next meeting is June 11, in Room 202, Bldg. 911B, at noon. For more information, call Otto Jacobi, club president, Ext. 3471.

## Kids' Swim Lessons

Completed applications are due next Friday, June 13, for summer swim lessons for children of Lab employees and guests. Sponsored by the Brookhaven Employees Recreation Association (BERA), lessons begin Monday, July 1, and end Wednesday, August 28:

- **Lessons:** Each child will be scheduled for one lesson each week for a total of eight lessons. American Red Cross certificates will be awarded to children who qualify upon completion.
- **Time:** Monday through Friday, 2:15 to 3:15 p.m., but children must arrive by 2 p.m. to prepare for class.
- **Fee:** \$50 per child upon registration; in addition, each child must pay the \$2 daily admission fee or present a season ticket for each lesson.
- **Height requirement:** For their safety, children each must be a minimum of 42 inches tall.
- **Registration:** Applications may be picked up at: the Human Resources Division, Bldg. 185, 8:30 a.m.-5 p.m.; the BERA Sales Office, Berkner Hall, 9 a.m.-1:30 p.m.; or the swimming pool, Bldg. 478, during its open hours. Mail or deliver applications with checks covering the registration fees payable to BERA to the Recreation Office, Bldg. 185.

## Computing Corner

*The Computing & Communications Division is offering the following in its second-floor seminar room, Bldg. 515. For more information, contact Susan Eng Wong, Ext. 7988.*

### Windows NT Users

At the next meeting of the BNL Windows NT Users Group on Thursday, June 12, from 10:30 to 11:30 a.m., NT security will be discussed by the Lab's computer program protection manager, Stuart Kern. For more information, e-mail [nt-support@bnl.gov](mailto:nt-support@bnl.gov).

### Great Exodus

The award-winning Windows application-server software NTERPRISE by Exodus Technologies will be demonstrated on Thursday, June 12, at 1:30 p.m. NTERPRISE simultaneously delivers Windows' applications to multiple users from a single NT-based server on UNIX/VMS workstations, X terminals, legacy PCs and Macs, as well as Java-enabled and network computers. For more information, visit Exodus Technologies' web site at <http://www.exodustech.com>.

## Camera Club

At the next meeting of the BERA Camera Club, on Tuesday, June 10, at noon in the auditorium of Berkner Hall, details on a Photoshop computer-imaging demonstration, the future installation of the club's display in Berkner Hall and upcoming club elections will be discussed.

All BNLers interested in photography are invited to attend. For more information, call Ripp Bowman, club president, Ext. 4672.

## Equipment Demo

Dynaload and Rical Associates will demonstrate how to control current levels in magnets to regulate magnetic field strength in an equipment demonstration, on Tuesday, June 10, from 11:30 a.m. to 2 p.m. in Berkner Hall. For more information, call Gregg Toback, (201) 643-0880, or e-mail Gstoback@aol.com.

## Softball

### Results reported as of May 30

League E1		League M1	
Phoubars	3-0	Stingrays	2-0
Magnuts	2-1	Gour-Mets	3-1
System	2-1	Happy Hour	2-1
Blue Jays	1-2	Hit 'n Run	1-2
Cleen Sweep	1-2	OER Wellheads	1-2
Hammerheads	0-3	Good Timers	0-3
League E2		League M2	
Gas House Gorillas	3-1	Varmints	2-0
Scram	3-1	Mixed Nuts	1-1
CCD	3-1	Skeleton Crew	1-1
Phytinphytos	3-1	No Names	1-2
Contaminators	2-1	What's on 2nd	0-1
Feds	2-1	League E3	
Hy Tech	2-2	Sure Fire	2-0
Lights Out	1-3	Bombers	1-1
Phase Out	0-4	Sultans of Swat	1-2
Mesocyclones	0-4	Medical	0-1

Classified  
Advertisements

### Placement Notices

The Laboratory'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 complete list of all job openings; use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees.

DD 5023. ADMINISTRATIVE/SECRETARIAL POSITION - Requires an AAS in secretarial science or equivalent experience, excellent organization and communication skills, and a broad knowledge of Laboratory policies and procedures. Proficiency in WordPerfect and graphics software highly desirable. Will provide secretarial/administrative support to the Division Head's office, assigned to the Deputy Division Head and Planning & Review Team (ORPs/NTS reporting). Safety & Environmental Protection Division.

NS 3571. ACCOUNTANT POSITION - Requires a bachelor's degree in accounting, finance or business administration, two years of professional accounting experience and knowledge of generally accepted accounting principles. Knowledge of spreadsheet programs (Lotus/Excel), proficiency with PCs, extensive experience with computerized business systems and processes, and proven analytical skills are highly desirable. Financial Services Division.

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

NS 4737. COMPUTER ANALYST POSITION - Requires a BSCS or equivalent, MS preferred, and several years' experience developing tools and programs for a distributed computing environment. Experience in UNIX (preferably Solaris), Perl and shell scripting, C, TCP/IP networking and demonstrated ability to deal with scientists to resolve mathematical and programming issues necessary. Exposure to WWW, Java, C++ and CGI programming is desirable. Will be responsible for developing software tools and on-line services, and investigating new computer technologies. Computing & Communications Division.

DD 3122. DESIGN POSITION - (term appointment) Requires significant mechanical/drafting/design experience in superconducting magnets, and proficiency in AutoCAD release 12. Must have the ability to perform professional-level design functions. Back-

ground should include a thorough understanding of engineering fundamentals, machine design, machine shop procedures, Mil-Std100E and ASME Y14, 24M-1989. Knowledge of RHIC Design Standard DS-1 is a plus. RHIC Project.

DD 3125. TECHNICAL POSITION - (term appointment) Requires an AAS in a technical field or equivalent experience and knowledge of or experience in one or more disciplines such as mechanics and/or electro-mechanical assembly. Must be able to adhere to written procedures and follow quality-assurance standards in all work assignments. Knowledge of superconducting magnet-assembly procedures highly desirable. Responsibilities will include but are not limited to assignments in magnet assembly that require developed skills and performance of functions with minimal supervision. RHIC Project.

DD 4865. OFFICE SERVICES POSITION - (temporary, part-time) Will provide ticketing support for the Travel Operation of the Administrative Support Division. Duties will include preparing ticketing-activity reports, processing corporate credit-card applications, and assisting travel reservationists as needed. Will also provide backup to the Transportation Office. A background in travel, SABRE experience and a knowledge of WordPerfect are desirable. Previous office experience and excellent communication skills required. (Reposting) Administrative Support Division.

## Wanted: Art for Sidewalk Show

Artists, photographers and sculptors — show and sell your work at the BNL Art Society's Sidewalk Art Show on Sunday, June 29, noon to 6 p.m., all around the Brookhaven Center. All artists are welcome, BNLers or not, but the display fee is waived for BNL employees and high school students. To register, complete and send in the coupon below. For information, call Liz Seubert, Ext. 2346.

*Note: June 29 is also the date of the Community Open House Day being organized by the Museum Programs of the Public Affairs Office. So, science visitors will be able to stop off at the art show, and artists can attend Lab demos or try out a replica of the very first video game, which was developed at BNL.*

### Entry for Sidewalk Art Show, Sunday, June 29, noon-6 p.m.

Artist's Name \_\_\_\_\_

Address \_\_\_\_\_

Home Phone \_\_\_\_\_ BNL Ext. \_\_\_\_\_

*Please print clearly and return to Robert Chrien, Bldg. 510A, by June 16.*