

George Goode Named EWMS Manager

George Goode, a nationally renowned pollution-prevention expert who joined BNL in 1991, has been named Manager of the Lab's new Environmental & Waste Management Services Division, effective March 1.

Also effective March 1, BNL merged the Environmental Services Division and the Waste Management Division to improve service and reduce expenditure. As head of the newly combined division, Goode manages a staff of 60 environmen-

tal and administrative professionals and technical specialists working to ensure that BNL operates in an environmentally responsible manner and complies with all applicable environmental regulations.

The EWMS Division manages programs such as pollution prevention, groundwater protection and natural resource management; provides technical assistance on environmental requirements; maintains the Lab's ISO 14001-registered Environmental Management System; prepares environmental permit applications; conducts environmental monitoring; manages data collected for BNL's environmental surveillance, compliance, and cleanup programs; and prepares environmental documents such as the annual site environmental report. EWMS also provides waste characterization and management, and stores, treats, transports and disposes of wastes generated at BNL. The current annual budget for the combined division is \$9.4 million.

"I came to Brookhaven Lab to start a pollution-prevention program, and I have successfully accomplished that, with waste generation from routine operations decreasing by more than 70 percent in less than a decade," Goode said. "I believe in the prevention method of solving environmental problems. If you can engineer toxic materials out of processes whenever possible, you eliminate the costly requirements of managing and disposing of them."

Goode said that the new division will continue to manage environmental issues systematically through the ISO 14001 Environmental Management System (EMS). BNL was the first national laboratory to obtain third-party registration to ISO 14001, a globally recognized environmental standard. The key elements of the Lab's EMS are: pollution prevention, compliance with regulatory requirements, community involvement in

(continued on page 2)



Roger Stoutenburgh 01/97/0303

George Goode

382nd Brookhaven Lecture

'From RHIC to Rats: Detector Technology Applied to Medical Research'

From images of small areas of a rat's brain, scientists can get information that helps them understand the physiological changes associated with drug addiction and disease. However, getting these images can be an arduous task.

Imaging small brain areas of a rat — on the order of millimeters — by using conventional positron emission tomography (PET) requires that the rat be anesthetized to prevent movement during the imaging procedure. Yet the presence of anesthesia in the rat's brain can affect the very process — for example, receptor-binding — that scientists are investigating. To limit these types of effects, researchers need to image the rat in its conscious state and in its natural environment.

Scientists at BNL have not yet trained rats to sit still for the duration, as would a human undergoing a PET scan. But, using similar techniques to those developed for detectors in BNL's state-of-the-art physics facility, the Relativistic Heavy Ion Collider (RHIC), they have made technical advances that make imaging possible while the rat remains awake and free to move about its environment.

To learn how Lab researchers have developed and are now using these advanced detector technologies, join Chemist David Schlyer as he presents the 382nd Brookhaven Lecture, "From RHIC to Rats: Detector Technology Applied to Medical Research," on Wednesday, April 16, at 4 p.m. in Berkner Hall. Schlyer will be intro-

duced by BNL Senior Chemist Joanna Fowler.

As Schlyer will explain, this technology, which was developed in collaboration with scientists from the Lab's Chemistry and Medical Departments and the BNL Instrumentation Division, has far-reaching implications for the study of addiction, genetic alterations, aging, and more.

Schlyer, who received his B.S. in chemistry from the University of California at Riverside, and his Ph.D. in chemistry from the University of California at San Diego, first came to BNL's Chemistry Department in 1976, when he worked as a postdoctoral fellow with Alfred Wolf. Leaving the Lab in 1981 to work in private industry, Schlyer then returned in 1985 to worked with the Lab's Positron Emission Tomography program.

During his years at BNL, Schlyer has worked on a wide variety of projects, which include atomic kinetics, coal research, radioisotope production, and scanner technology. He is a member of several scientific societies and works in the expert section of the International Atomic Energy Agency, where he helps developing countries start nuclear medicine facilities.

Schlyer is also an active program professor in the Biomedical Engineering Department at Stony Brook University.

Refreshments will be offered before and after the lecture. To dine with the speaker at a restaurant after the lecture, call Lois Caligiuri, Ext. 4587.

— John Galvin



Roger Stoutenburgh 01/97/0303

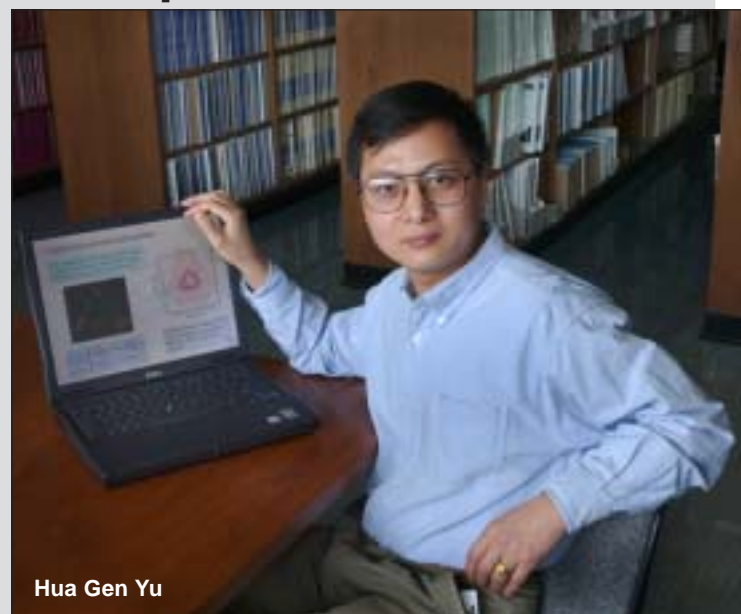
David Schlyer

Brookhaven Spotlights

News from the March American Chemical Society Meeting

During the next few weeks, the Bulletin will feature selected briefings that describe research presented by BNL scientists at the 225th American Chemical Society meeting, held March 23-27 in New Orleans, Louisiana. The following talk by Hua Gen Yu of the Chemistry Department was given on Monday, March 24. For more information, go to BNL's Homepage or www.bnl.gov/bnlweb/pubaff/pr/2003/bnlpr032103b.htm.

Two Steps Are Better Than One



Hua Gen Yu

Roger Stoutenburgh 01/97/0303

Brookhaven chemist Hua Gen Yu of the Chemistry Department has devised a new way to speed up computer calculations of how molecules with up to six atoms rotate and vibrate, providing new insights into the structure of greenhouse gases and the inner workings of combustion reactions.

The method, called two-layer Lanczos algorithm, is a modified version of a well-known method introduced in 1956. It has been successfully applied to methane, formaldehyde and rare-gas molecules, which are compounds containing rare-gas atoms.

"This new algorithm is not only faster than other methods, but it also reduces the amount of required computer memory," Yu says. "So these features make it feasible to study molecules with five or more atoms by using a rigorous theory."

To determine the rotational and vibrational energies of a molecule, chemists collect information about the positions of its atoms in space from a matrix, which is a table of numbers. The bigger the molecules, the larger the matrix and the longer it takes for a computer to extract information about the rotational and vibrational states of the molecule.

"The reason that the two-layer Lanczos method is more efficient than other methods is that it divides the original matrix into two smaller ones," Yu explains, "which are each solved by a standard method."

The scientists have applied the method to formaldehyde, confirming previous results, but their calculations were performed in 2.5 hours, or ten times faster than by using standard methods.

— Patrice Pages

RHIC, AGS Users' Meeting, May 15-16

The Relativistic Heavy Ion Collider (RHIC) and Alternating Gradient Synchrotron (AGS) Annual Users' Meeting will be held at BNL on Thursday and Friday, May 15-16, 9 a.m.-5 p.m.

The meeting will feature reports from BNL management, the Department of Energy, and the National Science Foundation. An American Physical Society representative will give a tutorial on how to speak to elected officials and the general public about scientific issues.

In addition, the meeting will focus on:

- latest physics results from RHIC & AGS experiments,
- plans for upgrades and future experiments
- recent theoretical developments

A poster display will explore the diversity of projects at RHIC & the AGS. Students and post-docs are encouraged to submit posters, and a prize will be awarded to the best student/post-doc poster.

For more information, go to www.bnl.gov/userscenter.

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 Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Hall (Rec. Hall) 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: Free English for Speakers of Other Languages Classes

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

Mondays: BNL Gospel Choir

5:15-7 p.m. Berkner Hall. All faiths are welcome. 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., Thurs., & Fri.: Tai Chi

Noon- 12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Mondays: BNL Dance Club Ballroom, Latin & Swing Practice

5:30-7 p.m. North Ballroom, Brookhaven Center, except Lab holidays. Jean Logan, jlogan@bnl.gov or Ext. 4391.

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 Monique de la Beij, 399-7656.

Tuesdays: BNL Music Club

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

Tuesdays: Singles Club

12:30-1:30 p.m., Berkner Hall. Contact: Jean, Ext. 4391, Patrick, Ext. 3270.

Tuesdays: BNL Dance Club Individual & Couples instruction

5-11 p.m. North Ballroom, Brookhaven Center. Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month , 5:30 p.m., 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. Mary Wood, Ext. 5923.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Bldg. An infant/toddler drop-in event. Parents meet while children play. Svetlana Agafonova, 205-5065.

Wednesdays: Science Education Forum

Every other Wednesday, Noon-1 p.m., Bldg. 438. Join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

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., Brookhaven Ctr. Free. Ila Campbell, Ext. 2206.

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Exercise 101

5:15-6 p.m., Rec. Bldg. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

Wednesdays: Dance Club Group Lessons

6-9 p.m. North Ballroom, Brookhaven Center. Series 4 lessons start 4/9 (see listing). Marsha Belford, belford@bnl.gov or Ext. 5053.

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

8-11:30 p.m., Brookhaven Ctr., social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Saturdays: BNL Dance Club Monthly Ballroom Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing. North Ballroom, Brookhaven Center. April social on 4/12, Marsha Belford, belford@bnl.gov or Ext. 5053.

— THIS WEEKEND —

Friday, 4/11

Camera Club & Microcomputer Club

Noon, Berkner Hall, Room B. There will be a joint meeting of the BNL Camera Club and the BNL Microcomputer Club. Richard Witkover will present a program entitled "The ABCs of Digital Photography — Including Basic Photoshop for Photographers." This program will include live Photoshop demonstrations. For more information, contact Witkover at Ext. 4607 or Ripp Bowman, Ext. 4672.

GLOBE Meeting

Gay, Lesbian, and Bisexual Employee Club at BNL monthly meeting. For time and location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information, go to www.bnl.gov/bera/activities/globe.

Get to Know Your Lab!
Homeland Security
Facility Tour, 4/18

All are invited to join the next Employee Lunchtime Tour to visit the Lab's new test-bed facility, where radiation detection equipment is tested as part of the Lab's homeland security effort.

The group will meet in Berkner Hall upper lobby on Friday, April 18. A Lab bus will transport participants from Berkner to the test-bed facility, where Carl Czajkowski, Energy Sciences & Technology Department, will explain how the detection equipment is tested. The group will return to Berkner by 1 p.m.

For more information, call BNL Community Involvement's Elaine Lowenstein, Ext. 2400.

Arrivals & Departures

Arrivals

Sadayuki AsaokaChemistry

James Tarpinian ... Director's Office

Departures

None

George Goode (cont'd.)

making environmental decisions, cleanup of existing environmental hazards and waste, and continual improvement.

A lifelong resident of Riverhead, where the Peconic River meets the Peconic Bay, Goode enjoys the natural beauty of the area and is an avid fisherman and boater. He has also worked in the Suffolk County Water Authority's groundwater protection program, so he is "keenly aware of Long Island's sole source aquifer and sensitive to the public's concern about the environment."

Goode earned a B.S. in biology from Dickinson College, in 1979, and an M.S. in environmental technology from the New York Institute of Technology, in 1995. He has 18 years of environmental protection and waste management experience. From 1980 through 1991, he worked in various technical and managerial positions in Long Island industries, including the Raytheon Corporation, Sedco Systems Division, from 1986 to 1988; and the Suffolk County Water Authority, from 1988 to 1991.

In 1991, Goode was hired as pollution prevention coordinator for BNL, and he was simultaneously project engineer and group leader of the Laboratory's Waste Management Division from 1991 through 1997. More recently, he initiated the Environmental Compliance Representative program, in which field-deployed environmental professionals proactively identify and manage environmental issues and pollution prevention opportunities at the earliest possible time. He also managed the ISO 14001 Environmental Management System at Brookhaven, developing and implementing strategies to integrate, streamline and improve the system.

Goode received BNL's Brookhaven Award for Outstanding Service in 2001, as well as six DOE Energy Pollution Prevention Awards between 1995 and 2001. He is a member of the New York State Department of Environmental Conservation Risk Reduction Strategies Work Group, which develops pollution prevention strategies for New York State. — Diane Greenberg

Meet the 2003 Brookhaven Council



Roger Stoutenburgh 01660303

The Brookhaven Council represents the scientific and professional staff and other members of BNL. It provides advice to the Director and makes recommendations on scientific staff policy. The Council members are tenured scientific staff, elected for three-year terms by the entire scientific staff of their respective departments and divisions.

"This is an important year for the Lab now that the new Director has come on board," said Stephen Shapiro of the Physics Department, the new Council Chair of 2003. "We look forward to developing a close, working relationship with Dr. Chaudhari to make Brookhaven an even better place to do science." The 2003 Council Secretary is Paul O'Connor, Instrumentation Division.

More information on the Brookhaven Council is available at <http://www.bnl.gov/bnlweb/>

Fidelity Investment
Counseling, 5/8

A Fidelity Investment representative will be at the Lab on Thursday, May 8, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options.

Schedule one of the 45-minute appointments by calling (800) 642-7131.

Money Talks Workshop
Retirement Income
Planning, 5/8

On Thursday, May 8, in Berkner Hall at noon, Fidelity Investments representatives will talk on "Planning Your Retirement Income." You will learn how to identify strategies that could help in making your income meet expenses in retirement, determining appropriate distribution options for you, and investing appropriately before and after retiring.

Check your mailbox for registration forms. For more information, call Joyce Wund, Ext. 7516.

In Memoriam

Frederick P. Cowan, who had joined BNL's Physics Department on May 12, 1947, as an electrical scientist with life number 811, died on August 6, 2002, at age 96. He had moved to the Health Physics Department on October 1, 1948, and had retired as Acting Department Chair on December 31, 1971, retaining a guest appointment for one more year.

Manuel Pedroso, who on March 24, 1947, had joined BNL as a supply clerk A with life number 320, and, after 34 years of service to the Lab, had retired as a Supply & Material Division store clerk on April 30, 1981, died on November 8, 2002. He was 83.

Admin/council.html, or by clicking the administration link on the BNL home page.

Members of the 2003 Brookhaven Council are: (seated, from left) Walter Mangel, Biology Department, Paul O'Connor, Instrumentation Division, Council Chair Stephen Shapiro, Physics Department; Michael Tannenbaum, Physics; George Hendrey, Environmental Sciences Department; and Yu Shin Ding, Chemistry Department; (back, from left) Michael Brennan, Collider-Accelerator (C-A) Department; Yimei Zhu, Materials Science Department; Lonny Berman, National Synchrotron Light Source (NSLS) Department; Robert Bari, Energy, Environment & National Security (EENS) Directorate, Peter Siddons, NSLS; Morris Bullock, Chemistry; and Paul Freimuth, Biology. Absent from the photo were John Miller, Chemistry, Jie Wei, C-A; and James Davenport, EENS.

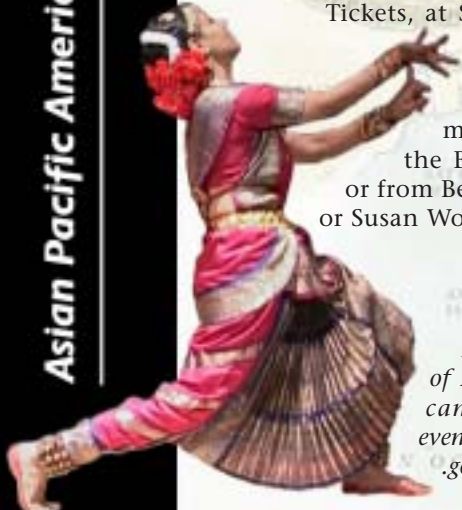
Asian-Pacific
Cultural Event, 4/26

BERA's Asian Pacific American Association will sponsor a cultural event on Saturday, April 26, in Berkner Hall. Arts & crafts, displays, and demonstrations will be shown in the lobby, 6-7 p.m. Then, in the auditorium, 7-9 p.m., music and dance from China, Japan, India, Korea, the Philippines, and other Asian countries and cultures will be featured.

Tickets, at \$10 for adults, \$5 for children of 12 and under and students with ID, may be bought at the BERA Sales Office, or from Beth Lin, Ext. 3372, or Susan Wong, Ext. 7988.

For a complete listing of Asian Pacific American Heritage Month events, see www.apaa.bnl.gov/apahm.htm.

Asian Pacific American Heritage Month
May 2003



Bus to Chinese Scholar's Garden, 5/4

Join a bus trip on Sunday, May 4, to see "China's Enduring Folk Arts: Stage and Studio" at the New York Chinese Scholar's Garden in the Staten Island Botanical Gardens, Staten Island, New York. The trip is sponsored by the BERA Asian Pacific American Association, BNL's English for Speakers of Other Languages Program, and BNL's Social & Cultural Club. Events will include: Asian drums, a Chinese concert, demonstrations of seal-carving and calligraphy, and paper-cutting and kite-making workshops for children, as well as a girls' ribbon dance.

The bus will leave BNL at 9:30 a.m., returning around 6 p.m. The bus fee is \$5 per person. Only 55 seats are available; call Samantha Lin, Ext. 3471. Admission to the garden is \$5 for adults; \$4 for seniors, students with ID, and children under 12. See www.sibg.org for more information.

WalkAmerica

On Sunday, April 27, or May 18, join the BERA team as a walker or a contributor to the annual WalkAmerica. Sponsored by the March of Dimes, the walk raises funds used to help reduce infant mortality and the incidence of low birth-weight babies. Registration forms and sponsor sheets are available at the BERA Sales Office, weekdays 9 a.m.-3 p.m.

BNL, APS Food Drive: 379,548 lbs in 15 Years
To keep up the tradition — bring in a can of food for next pickup day, 4/17

Since the inception of the Food Drive in 1988, BNL and American Physical Society (APS) employees have donated a total of 379,548 pounds of food for needy families in the Town of Brookhaven. In 2002, gifts of food tallied 22,713 pounds, up 3,579 pounds from 2001. To get this amount, each month, BNL and APS volunteers (some of

whom are pictured below) pick up employee food donations from designated building locations and deliver the loads to Building T-87 at the Lab. A designee from Brookhaven Town then picks up the food from Building T-87 and distributes it among the needy families. Food donation bins are found in most buildings, and

employees are encouraged to donate canned goods or non-perishable food items to help the Lab's neighbors. The next scheduled pickup date for food donations is April 17. If you need more information or would like to volunteer, call Food Drive coordinators Rita Kito, Ext. 3320, or Donna Wadman, Ext. 2542. — Jane Koropsak



Roger Stoutenburgh D1610303

And the Winners Are . . .

Tony Hoffman, Business Systems Division, and Terry Monahan, Safety & Health Services Division, have been elected to the Executive Board of the Brookhaven Employees Recreation Association (BERA). Chosen by BERA members during elections held the week of March 31, they will replace the outgoing Board members Louis Nieves, Information Technology Division (ITD)/Lucent; and Ed Sperry, Magnet Division (MD). Hoffman and Monahan join the other six Executive Board members: President Laurie Pearl, ITD; Vice-President Charles Gardner, Collider-Accelerator



Roger Stoutenburgh D1562033

Tony Hoffman

Department; Secretary Deborah Botts, Procurement & Property Management Division; Treasurer Elliott Levitt, Internal Audit Office; Susan Cataldo,



Roger Stoutenburgh D0180302

Terry Monahan

Energy Sciences & Technology Department (EST); Thomas Dilgen, MD; John McCaffrey, MD; and Susan Monteleone, EST.



BNL Celebrates 33rd Annual Earth Day
Lab Events and Activities Include:

Fourth Annual 4-Mile Earth Day Run

This year, the Long Island Track & Field Association, in conjunction with KeySpan, has awarded the race Grand Prix status, a distinction that is expected to draw some of Long Island's top runners. All entry fees will benefit Long Island Cares, Inc., a regional food bank. The run, which starts at 9:30 a.m., is open to the public. Contact Peter Pohlot, Ext 5660, or download a registration form at www.bnl.gov. The fee is \$18 before April 12, or \$21 after April 12, with a \$3 discount for those who bring a gift of canned food. A free, fun race of one half-mile will be held for children of 12 and under at 10:30 a.m. Race-day registration and check-in will be in Berkner Hall, 7:30-9:15 a.m.

BNL Office Swap

Clean House, Minimize Waste, Shop for Free

BNL's Fourth Annual Office Supply Swap will take place in the Berkner Hall lobby, 11:30 a.m.-1:30 p.m. Clean out your office, conference rooms, supply closets. Get rid of items you no longer use or need and bring them down. All supplies not swapped will be donated to a local nonprofit agency.

Heckscher Spring Festival

Come view the many displays hosted by the NYS Office of Parks, Recreation & Historic Preservation in honor of Earth Day at Heckscher State Park on Saturday, April 26, and Sunday, April 27. Bring your family and friends and show your support for BNL's EWMS Division. There will be free giveaways, music, food, and even a petting zoo!

Environmental Stewardship Awards

BNL shows its appreciation to those Lab employees who have demonstrated outstanding effort in pollution prevention, waste minimization, or conservation. Awards will be presented in Berkner Hall at 3:30 p.m.

'Your Environment' Art Awards

To raise student awareness of environmental stewardship, pollution prevention, and waste minimization, BNL asked students from local schools to participate in the annual "Your Environment" art contest. At 3:30 p.m. in Berkner Hall, awards will be presented to three outstanding students for their effort in creating a poster relating to the protection of Long Island's environment.

Saturday, 4/19

Tuesday, 4/22

Weekend of 4/26

Tuesday, 4/29

Tuesday, 4/29

COMPUTER
TRAINING

The following PC training classes have been scheduled for April through August:

- April 29 Word – level 1
- May 1 Windows – level 1
- May 5-6 Access – level 2*
- May 8 PowerPoint – level 1
- May 9 HTML – level 1
- May 12 Outlook – level 1
- May 13 FrontPage – level 1
- May 14 Project – level 2
- May 15 Excel – level 1
- May 16 Word – level 3
- May 20 HTML – level 3
- May 21-22 FrontPage – level 2*
- June 11 Word – level 1
- June 19 FrontPage – level 1
- June 24 Excel – level 1
- June 25-26 Project – level 1*
- June 27 HTML – level 1
- June 30 Windows – level 1
- July 2-3 Access – level 1*
- July 7 Outlook – level 1
- July 9 Excel – level 2
- July 15 PowerPoint – level 2
- July 16 HTML – level 2
- July 17 Word – level 2
- July 21 Project – level 2
- July 23-24 FrontPage – level 2*
- July 29 Windows – level 2
- July 30 Word – level 1
- August 4 PowerPoint – level 2
- August 6 Excel – level 1
- August 7-8 Access – level 2*
- August 12 Outlook – level 2
- August 13 Excel – level 3
- August 14 HTML – level 3
- August 19-20 Access – level 3*
- August 22 Word – level 3

* Two-day class

The training fee for the on-site classes listed above is \$151 per day of training. To register for on-site or off-site classes, to view class outlines, expanded schedules, and for all additional information, see www.bnl.gov/itd/training or contact Chris Herbst, Ext. 5304, or herbst@bnl.gov.

LabVIEW Training

The Information Technology Division has scheduled LabVIEW Basics I and II training classes, which will meet June 9 – 13, 8:30 a.m.-4:30 p.m., in the training room of Bldg. 459. The fee for this class is \$2,340 per student. To register, send an ILR for the appropriate amount to Christine Herbst, Bldg. 515, by April 25. For more information, contact Herbst, Ext. 5304 or herbst@bnl.gov.

Jiu Jitsu Club

Starting on Friday, April 25, the BERA Jiu Jitsu Club will hold classes in the BNL Gym on Fridays, 6-7 p.m. Classes will be appropriate for all abilities. To register for an 8-week session from April 25 through Friday, June 13, send a \$80 check, payable to BERA, in care of Tom Baldwin, Bldg 452, by April 18. For assistance, call Ext. 4556.

Hispanic Heritage Club
Membership Campaign

BNL's Hispanic Heritage Club will meet on Friday, April 25, in Berkner Hall, Room D, from 11:30 a.m. to 12:30 p.m. This meeting will be the start of a membership campaign, which will run through May 30 2003. The \$10 annual membership fee will be applied to a two-year membership for those BNLers who join during the membership campaign. For more information or to become a member, contact: Carmen Narvaez, Ext. 3254 or narvaez@bnl.gov; or Yvette Malavet-Blum, malavet@bnl.gov.

Calendar

(continued)

Saturday, 4/12

BNL Dance Club Saturday Social

8-11:30 p.m., North Ballroom, Brookhaven Center, monthly informal evening of ballroom, Latin & swing dancing to the MacIntosh MP3 Laptop Orchestra. Marsha Belford, belford@bnl.gov or Ext. 5053.

— WEEK OF 4/14 —

Tuesday, 4/15

Verizon Wireless Demo

10 a.m. - 2 p.m., Berkner Hall. A representative will present BNLers with special rates on wireless service. Harry Campbell, 516-458-9122.

Wednesday, 4/16

Noon Recital, Opera

Rescheduled to Wednesday, 4/23. (See information below.)

Science Education Forum

Noon-1 p.m., Bldg. 438. All are welcome to join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

382nd Brookhaven Lecture

4 p.m., Berkner Hall. David Schlyer, Chemistry Department, will present "From RHIC to Rats: Detector Technology Applied to Medical research." See story on page 1.

Thursday, 4/17

BAC Meeting

12:30-1 p.m., Berkner Hall, Room C. Brookhaven Advocacy Council Meeting, Open Session. www.bnl.gov/bac.

Saturday, 4/19

Earth Day 4-Mile Run

Run begins at 9:30 a.m. Race-Day registration and check-in will be held from 7:30 to 9:15 a.m. For more information contact Peter Pohlot, Ext. 5660, or see www.bnl.gov/bnlweb/eday/.

Sunday, 4/20

Hospitality Committee Easter Egg Hunt

11 a.m., Recreation Hall. All are welcome. Each child should bring at least 15 plastic eggs filled with candy. (No hard candy, please.) Bring a dessert to share. Monique de la Beij, 399-7656.

— WEEK OF 4/21 —

Tuesday, 4/22

Earth Day Office Swap

11:30 a.m.-1:30 p.m., Berkner Hall. Clean out your office, conference room, supply closet. All supplies not swapped will be donated to a local nonprofit agency. For more information, see www.bnl.gov/bnlweb/eday/.

Wednesday, 4/23

Noon Recital, Opera

Noon-1 p.m., Berkner Hall. Preview of Stony Brook production of *Don Giovanni*, presented by Stony Brook University Professor David Lawton.

Thursday, 4/24

Take Your Children to Work Day

Lab employees' children of ages 10-15 are invited to participate in the national Take Our Daughters and Sons to Work Day sponsored by the Ms. Foundation for Women. To register, contact Susan Foster, Ext. 2888 or foster2@bnl.gov.

Saturday, 4/26

*Asian Pacific Cultural Program

Berkner Hall. BERA Asian Pacific American Association presents: 5-7 p.m.: arts & crafts, displays, demonstration. 7-9 p.m.: music and dance from China, Japan, India, Korea, the Philippines, and more. Buy tickets, \$10 for adults, \$5 for students with student I.D. and for children age 12 and under, at the BERA Sales Office, weekdays, 9 a.m.-3 p.m., or from Beth Lin, Ext. 3372, or Susan Wong, Ext. 7988. See notice, page 2.

Sunday, 4/27

March of Dimes' WalkAmerica

Join the BERA team as a walker or contributor, and help improve infant health. Get forms, sponsor sheets, information at BERA Sales Office.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. 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.

LAB RECRUITMENT – Opportunities for Laboratory employees only.

NS2871. ADVANCED TECHNOLOGY ENGINEER (I-9) / COUNTERINTELLIGENCE CYBER TECHNICAL EXPERT - Requires a bachelor's degree and a minimum of 10 years of related experience; excellent oral and written communication skills; the ability to interact professionally with persons of diverse technical backgrounds; knowledge of and experience with modern computer techniques (hardware/software), including familiarity with LANs, WANs, presentation and e-mail applications, as required. Must have in-depth knowledge of computer security architectures and advanced technical experience in unclassified cyber arenas including expert experience/knowledge of current commercial "best practices." Knowledge of current product/technology is preferred, as is intelligence/counterintelligence experience. Advanced CS degree, extensive experience in technical computer systems and applications/networking and experience developing/conducting training programs is desirable. Must successfully complete a rigid background check to include a limited-scope polygraph examination concerning National Security issues. US citizenship and the ability to obtain and maintain DOE "Q" and "SCI" Access Authorization is required. Director's Office.

TB3899. OFFICE SERVICES ASSISTANT (CW-2) - Requires familiarity with Laboratory organizations and physical layout, basic computer skills in data entry and database queries, ability to work independently, and good communication skills. Will perform customer service at the Main Gate temporary visitor's reception center from 7 a.m. to 3:30 p.m.; will screen visitors by verifying identity against databases and gate access lists, and issue temporary identification badges and vehicle placards. Will coordinate with sponsors to validate guests' need for access, provide directions, answer questions, and coordinate with Security Police Officers as necessary. Safeguards & Security Division.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

NS8334. SECURITY POLICE OFFICER II (2 Positions) – To protect DOE security interests from theft and other hostile acts that may cause adverse impacts on national security or the health and safety of the public, and to protect life and property. Requirements include, but are not limited to: knowledge and proficiency in the use and care of all assigned weapons, the ability to operate all assigned communication equipment, and proficiency in the use of accepted communication terminology, knowledge of and the ability to apply site and facility policies and procedures as well as knowledge of federal granted applicable authorities. Must be knowledgeable of and able to apply DOE policy on the use of deadly physical force and limited arrest authority, and possess familiarity with post and patrol operations, investigation procedures, and the use of tactical skills necessary to engage and neutralize armed/unarmed adversaries. Requires a valid driver's license and the ability to operate all assigned vehicles. Must possess an AAS in criminal justice plus relevant work experience, or several years' police or security experience, or military security background. Must successfully pass a physical examination (including drug/alcohol screening) and a psychological examination. Must run 1 mile in 8 minutes and 30 seconds and run a 40-yard prone-to-running dash in 8 seconds (this standard must be completed successfully on a annual basis). Must be able to obtain a Q-level security clearance which requires: being a U.S. Citizen, having no felony convictions or other serious offenses, and having a honorable discharge from military (if served). Safeguards & Security Division.

SCIENTIST/RESEARCH PHYSICIAN - National Institutes of Health (NIH) Intramural Program at Brookhaven National Laboratory (BNL). The BNL Center for Imaging & Neuroscience has an immediate opening for a NIH-funded Research Fellow. The physician will work with the neuroimaging sciences group at BNL in imaging studies involving Positron Emissions Tomography (PET) and Magnetic Resonance Imaging (MRI). These studies focus on functional, neurochemical and pharmacological aspects pertaining to substance abuse, neuropsychiatric diseases, oncology, and aging. The physician should have an interest in research and have training in psychiatry, neurology, radiology, nuclear medicine, or internal medicine. The Brookhaven Center for Imaging & Neuroscience is equipped with state-of-the-art equipment including two positron emission tomography scanners, one microPET and three cyclotrons. The center is very active in the DOE and NIH funded research in neuropsychiatry and oncology such as addiction, substance abuse, HIV, aging, eating disorders, and breast cancer. The imaging program is dynamic and progressive and provides abundant opportunities for innovation, clinical and laboratory research. This position requires an M.D., and candidates must possess, or be able to obtain, a New York State Medical license. The selected candidate will be an employee of the NIH. Curriculum vitae and letter describing interest, background and qualifications should be sent to: Ms. Kathleen Hanratty, Room 1B58/Building 31, 31 Center Drive, Bethesda, MD 20892-2008; kh54d@nih.gov.

Motor Vehicles & Supplies

02 HD 883 HUGGER - pearl, approx. 750 mi., extras, \$9,500. Stephanie, 856-297-6092.

01 HYUNDAI TIBURON - black, loaded w/extras, spoiler, 19K trans. warr., \$13,000 firm. Barbara, 732-7186.

99 FORD TAURUS SE - silver, all power, 35K mi., excel. cond. in/out, AM/FM cass., well maint., low mi., \$8,500. Brian, Ext. 2750 or 821-4234.

97 HONDA ACCORD - red, special edition, all power, 99K mi., dealer serviced, excel. cond. \$8,500 obo. Dean, 727-1554.

96 FORD CONTOUR GL - 4-dr., auto., 4-cyl., a/c, p/s, p/w, p/l, 98K mi., excel. cond., \$2,750. Dave, Ext. 4798.

96 FORD T-BIRD - black, grey leather int., V6, loaded, new tires, new brakes, hwy. mi., mint, \$5,500 neg. Keith, 827-2275.

96 LUMINA LS - 89,700 mi., good cond., \$3,200. Myron, Ext. 3763 or 878-0236.

96 TOYOTA CAMRY - black, all power, sunroof, new timing belt, cat conv, battery, belts, am/fm/CD, 135K hwy. mi., \$5,000. Ed, Ext. 5360.

95 FORD ESCORT - a/t, a/c, p/s, 92K mi., excel. cond., brand new tires & timing belt, \$2,800. Rachel, Ext. 8331 or 399-2417.

95 FORD T-BIRD - V8, all power, 121K mi., suntop, good cond., \$3,900. Jamal, 804-2959.

95 YAMAHA BLASTER ATV - runs well, FMF pipes, new grab bar, ITP rims on rear. Kevin, 369-1977.

94 FORD ASPIRE - 5-spd., p/s, 104K mi., in great shape, runs well, 40+ mpg, recent inspection done, \$850. Charlie, 924-5638.

93 FORD EXPLORER - all power, 140K mi., orig. owner, garaged, maintained, clean, \$4,500. Sue, Ext. 7235.

93 LINCOLN TOWN CAR - fully loaded, garaged, leather, 63K mi., mint cond., \$5,500. Daly, 447-5377.

92 FORD BRONCO - all power, 110K mi., 4x4, 302, V8, 3" lift, 35" tires, 2 tops, excel. shape, \$6,500. Gary, 654-3376.

85 FORD MUSTANG - a/c, cruise, 92K mi., well maint., no leaks, inspected, \$700. Vincent, 265-9132.

85 FORD VAN E-350 - 15K mi. on a rebuilt eng., 351W new rear drums & brakes, damaged on left side, \$300. Frank, Ext. 3457.

80 KAWASAKI 440 - motorcycle, needs some TLC, \$350. Don, 345-6279.

TIRES - two, very good shape, \$25/ea., Michelin 205-65R-15. Helga, 475-6548.

Boat & Marine Supplies

27' CATALINA SAILBOAT - '79, roller furl jib, booth rudder, gps, bilge pump, many extras, \$5,000 obo. Steve, Ext. 3104.

22' WESTERLY SAILBOAT - twin keel, fiberglass, clean, newly painted, many extras, needs some work, \$2,500. 744-3569.

19' OMC SUNBIRD - '89, w/trailer, good cond., new canvas, eng. like new, \$2,500. Jim, Ext. 4696.

OUTBOARD - Seagull, long shaft, 5 hp, model #WSPOL, at least 20 yrs. old, but works well, well maint., \$500. 286-5897.

Furnishings & Supplies

BEDROOM SET - antique maple double bed, dresser, nightstand, \$400; black wrought-iron day bed w/mattress, \$100. Mary, Ext. 6344.

CRIB & ROCKER - crib w/mattress, \$100; Dutilier rocker, \$100; high chair, \$25; Pack & Play, \$30; sights & sounds activity gym, \$20. Alan, 696-4366.

DINING ROOM SET - Bennington pine trestle table, 42" x 72", 4 side chairs, 2 arm chairs, table pad & 2 leaves, 60" hutch, \$850. Walter, Ext. 3499 or 281-9299.

DINING ROOM SET - black lacquer table w/leaf, opens to seat 8, custom pads, 4 chairs, 2 yrs. old, \$900 obo. Doris, Ext. 3488 or 924-0903.

FREEZER - good working cond., \$35. Ext. 2457.

KITCHEN BAR STOOLS - 4, by Dine Aire, solid oak, swivel seats, excel. cond., \$50/ea. 654-3989.

LIVING ROOM FURNITURE - Jennifer Convertible, queen size sofa bed, \$350, new mattress w/matching lounge chair, \$250 obo. Donna, Ext. 2826.

LIVING ROOM FURNITURE - sofa, loveseat, rocking chair, ottoman, 2 end tables, coffee table, country style, excel. cond., \$500 obo. Kevin, Ext. 6185

SECTIONAL - 3-pc. w/queen sofa bed, beige, good cond., must sell, sacrifice at \$75. Chris, Ext. 7365 or 472-3488.

SOFA - 7', pale blue, floral, skirted bottom, good cond., \$100. Bob, Ext. 3306 or 744-6506.

SWIVEL ROCKER - brown corduroy swivel rocker, good cond. Ext. 2457.

TABLE - pedestal, v. good cond. 205-0373.

WASHER & DRYER - 25-yrs.-old, Maytag washer, 6-yr. old gas dryer, both work well. Dennis, Ext. 4028 or 323-3532.

WATERBEDS - 2 queen, tube type, individual bladders, boxspring, pillow top, new, \$300/ea. or \$500/both obo. Keith, 827-2275.

Tools, House & Garden

AIR COMPRESSOR - Sears, 30 gal., 5 HP w/hoses, \$150, 205-0373 leave message.

MOWER - Scotts, 6.5 HP self-propelled, 3 yrs old, like new cond., \$135 obo. Keith, 827-2275.

WOOD TREATED DECKING - good cond., approx. 2"x6"x15", replaced for stone patio, \$100. Helga, 475-6548.

Sports, Hobbies & Pets

BMX BIKE - Haro 4130, Gyron, street tires, Sun rims, Primo seat. Kevin, 369-1977.

CAMERA - Nikon N90s w/vertical grip battery pack, mint cond., rarely used, orig. boxes, \$575. Joe, Ext. 2384.

GOLDEN RETRIEVER PUPPIES - A.K.C. certified Wochica purebreds, championship lines. Katie, 246-5946.

NORDIC TRACK PRO - ski machine, excel. cond., \$250 obo. Patrick, Ext. 5262.

NORDICTRACK RECUMBENT EXERCISE BIKE - brand new, cost \$699, ask. \$400. Toni, 878-4448.

ORBITREK ELLIPTICAL - upper & lower body workout, non-impact, digital time/dist/calorie display, excel. for home use, cost \$300, ask. \$100. Victoria, Ext. 7705 or 345-2566.

SNOWBOARD - men's Oxygen snowboard w/Salomon bindings, \$125. Mike, Ext. 2370.

SWING SET - slide, swing, baby swing, 2-child swing, galv., good cond., can deliver, \$65 neg.; weight bench, st. bar, curl bar, some weights, \$60. Wayne, 698-1184.

TELESCOPE - 8" Dobsonian, 4 years old, mint cond., comes w/case, 3x Barlow, 3 eyepieces (1 1/4"), 2 filters & red dot viewer finder, \$600 obo. John, 467-5827.

TREADMILL - Proform Crosswalk, 2.5 hp, 10 mph, upper body arms, fold-up space saver, cushion deck, serv. maint., manual, you p/u, cost \$550, ask. \$250. Bill, pager 452-1726.

U.S. NAVY BEARS - \$7/ea. Ext. 2457.

Audio, Video & Computers

HOUSEHOLD APPLIANCES - phones, kitchen appliances, music. For a list of items contact Vasili, Ext. 3225, or vasili@bnl.gov.

TELEVISION - Zenith, 32", good cond., \$500. Sande, 345-6279.

TELEVISION - Quasar, 13" color, good picture, \$40; VCR, Panasonic, no remote, works well, \$20. Bill, pager, 452-1726.

WIRELESS NETWORK - D-Link 22 mbps wireless components, 2 PCI adapters, 1 USB, access point & PCI LAN card, all boxes & docs, \$225 all. Rich, Ext. 5741.

Miscellaneous

BABY ITEMS - Club USA 5 pc. crib set, \$100; pastel floral crib set, \$74; baby monitor, \$20; toddler/infant rocker, \$20; lamps, \$30. Alan, 696-4366.

BROADWAY TICKETS - 2, Life x3 w/Helen Hunt & John Turturro, excel. seats, 4/13, 3:00 p.m., \$58/ea. Toni, Ext. 5257.

CHOCOLATE MOLDS - holidays & special occasions, gift boxes for sale. Ext. 2457.

FREEZER - 13 cu. ft., excel. cond., \$200; canopy 2 alum., 60"x42", 42"x28". 929-4716.

ORIGINAL NOTECARDS - www.just-thinking-sf.com. Ed, Ext. 2007 or 751-1474.

PHOTOGRAPHIC CARDS - blank inside, cards suit. for framing. Michele, 473-7460.

PINATAS - all occasions, all characters, cartoons, Disney, Sesame Street. Donna, 821-0359.

PIRATE SHIP - by Fisher Price, excel. cond., many access., \$15; Battle Castle, Fisher Price, electronic w/many accessories, hardly used, \$30. Lloyd, Ext. 5225.

RAFTING TRIP - last weekend in Sept., Gauley West Virginia, For details contact Wally, Ext. 4180.

STROLLER - Graco double stroller, \$25. John, Ext. 4028.

Take Daughters, Sons to Work, 4/24

On Thursday, April 24, Lab employees' children of ages 10-15 are invited to participate in the national "Take Our Daughters and Sons to Work Day" sponsored by the Ms. Foundation for Women. To register your child, contact Susan Foster, Ext. 2888 or foster2@bnl.gov.

Easter Egg Hunt, 4/20

Bring your child to the Hospitality Committee's annual Easter Egg Hunt on Sunday, April 20, at 11 a.m. in the Recreation Hall. Each child should bring 15 plastic eggs filled with soft candy. In addition to hunting for eggs, craft-making and a piñata are on the program. Parents are asked to bring a dessert to share. For more information, contact Monique de la Beij, 399-7656.



Free Movie Night

The English for Speakers for Other Languages Program will hold a free movie night at 7 p.m. on Thursday, April 17, in the Recreation Hall, title to be announced. For more information, call Deepali Mitra, Ext. 5360.

Upton Nursery School Registration Starts

Parents are invited to register their children now for the on-site Upton Nursery School 2003-04 school year. The school offers a nurturing, fun-learning environment for preschoolers, at reasonable tuition. To be registered, children must be 3 years old by December 1, 2003. All are welcome.

For more information, visit www.bnl.gov/nurseryschool, or contact Cathy Lavelle, Ext. 2774 or lavellec@bnl.gov.

TICKETS - 2 for *Classic Soul Jam Show* at Westbury Music Fair, 4/12, section A, row B, seats 3&4. Ext. 3217.

WEDDING DRESS - Demetrios, size 10, runs small, never worn, embellished tank neckline, flows to mermaid crepe train, cost \$1,200 new. Victoria, Ext. 7705 or 345-2566.

Yard & Garage Sale

BRENTWOOD - moving sale, 4/12 & 4/13, 9-5, 540 Grand Blvd. between Wurz & Stumpel Streets, furniture, toys, tools & antiques. 277-2671.

LOST & FOUND

GOLF CLUBS - Found 2 at ball field by well. Andres, Ext. 5776.

Wanted

BOYS' CLOTHING - gently used, for warmer weather, size 3T to 7. Michele, 473-7460.

EXERCISE STEP - Jane Fonda, Lloyd, Ext. 5225.

HOUSE/APT. - to rent, furnished, 3 or more bdrms., for 4-person family & dog, early summer through end of year. sowinski@iucf.indiana.edu.

HUNTING RELATED ITEMS - guns, old decoys, fair prices paid. Paul, Ext. 5829 or 289-9152.

OLD DOLLS - prior to 1940, any size, any shape, also old teddy bears. 475-4199.

RESEARCH VOLUNTEERS - healthy men and women, ages 18 and over, are needed for MRI study. Strictly confidential, fee provided. 344-2773.

Happenings

CONCERT - Sun., 4/13, 3 p.m. Patchogue Congregational Church, Main St., Patch. Several BNLers will sing in 60+ voice Bay Area Chorus: *Requiem*, John Rutter; "Come Lovely Spring," Haydn; "Silent Devotion," Bloch. No charge, donation requested.

Audience Participation Murder Mystery - 4/26, sponsored by Brookhaven Fire Dept., \$30 incl. show, dinner, beer, wine, soda, dessert., For tickets call Ext. 5943 or 395-1412 or 395-9461.

In Appreciation

A special, heartfelt, thank you to everyone in the Training & Qualifications Program Office for their support following the loss of my mother — Phil Harrington & family.

Mother's Day Candles Help Diabetes Research

"Candles for a Cure" is an American Diabetes Association (ADA) fund-raiser that increases awareness about diabetes and raises money for the research, information and advocacy efforts of the ADA.

This year, for Mother's Day on May 11, the ADA will sell Yankee candles and specially designed Mother's Day bears. The candle and bear may be purchased together for \$20, or separately for \$15 each.

BERA will order candles and bears to help the ADA in this effort. Paid orders may be made at the BERA Sales Office, weekdays, 9 a.m.-3 p.m.

BERA Golf Association

The BERA Golf Association is accepting applications for its 2003 season. All employees, Lab guests & retirees are welcome. Jeff Williams, Ext. 5587.

Swim Pool Closed To Install Cover

The BNL swimming pool will close Monday-Sunday, April 14-20, while a cover and fencing are installed. The pool will reopen on Monday, April 21.

Today: Micro-Computer, Camera Clubs Meet

A joint meeting of the BERA Camera and Micro-Computer Clubs will be held at noon today, Friday, 4/11, in Berkner Hall, Room B. Richard Witkover will present "The ABCs of Digital Photography, Including Basic Photoshop for Photographers." Live demonstrations of Photoshop are on the program. Contacts are: Richard Witkover, Ext. 4607, and Ripp Bowman, Ext. 4672.

BERA Fishing Trip

Join BERA's fishing trip aboard the *Captain Bob*, sailing out of Mattituck at 8 a.m. sharp on Saturday, May 3. Tickets at \$48 per person include: boat, bait, tackle, fishing rods, and initial tip for the mate. The boat returns at 3 p.m. Make paid reservations and get directions to the dock at the BERA Sales Office, weekdays, 9 a.m.-3 p.m. For more information contact Andrea Dehler, Ext. 3347 or dehler@bnl.gov, or Sue Cataldo, Ext. 4461 or cataldo@bnl.gov.

U.S. Open Bus Trip

The BERA Tennis Committee will sponsor a bus trip to the U.S. Open Tennis Championships at the National Tennis Center in Queens, on Tuesday, September 2, leaving BNL at 8:30 a.m., with one pick up at LIE Exit 63 park & ride. Departure from Queens will be at 7:30 p.m. The per-person cost of \$62 includes the day-session ticket, which is \$44, the bus fare and a tip for the driver. Make paid reservations, in checks payable to BERA, at the BERA Sales Office, weekdays, 9 a.m. to 3 p.m.