

BNL Develops 'ThraxVac' to Clean Up Anthrax Circle Group Holdings, Inc., Licenses the Technology

BNL researchers have developed a device, "ThraxVac," that can collect and kill anthrax and other bacterial spores. The patent-pending device has been licensed to Circle Group Holdings, Inc., a public company based in Mundelein, Illinois.

ThraxVac vacuums up anthrax and other bacterial spores, then "tricks" the spores into germinating through heat and moisture, thus making them vulnerable to injury. The newly activated spores are then bombarded with alpha particles, a form of radioactivity that does not penetrate skin or clothes. The alpha particles kill the spores, rendering them nontoxic.

Carl Czajkowski, Energy Sciences & Technology Department, and Barbara Panessa-Warren, a BNL Biology Department consultant, thought of the idea for the invention together in 2001 shortly after several anthrax incidents in the U.S. were widely reported. Czajkowski said, "We thought there must be a better way to clean up anthrax, other than using harsh chemicals that are dangerous to humans and to the environment. Also, chemicals often can't do the job thoroughly."

After the researchers developed their idea, BNL's Office of

Intellectual Property & Sponsored Research applied for a patent and found the licensee. Czajkowski noted, "Michael Greene and Peg Bogosian were extremely helpful in bringing the idea to fruition."

ThraxVac is expected to be as portable as a home vacuum, or it can be retrofitted as part of a building's heating, ventilating and air conditioning system, where it would continually capture and kill suspect bacteria and spores. In both of these technologies, a disposable filter is fitted with its own enclosed low-level polonium-210 source that emits alpha particles to continuously kill collected spores. All collected spores would be dead when the filter is discarded.

Using alpha particles for commercial processes is not new to industry. Specifically, alpha particles emitted from polonium-210 act as a static eliminator in paper mills and other industries. Alpha particles in ThraxVac can be used to decontaminate not only large surfaces, but also intricate machinery and moving parts, without impairment of function. Potential users include municipality response teams, major corporations, the military, and the postal service.



Carl Czajkowski, Energy Sciences & Technology Department, and Barbara Panessa-Warren, Biology Department consultant, examine electron microscopy images of ThraxVac's spore destruction process.

ThraxVac has several advantages over current methods of killing anthrax spores. The polo-

mium source does not need heavy shielding, so the device is lightweight and easily por-

table. Using polonium to produce alpha particles virtually eliminates the health and radiation hazards associated with gamma and x-ray sources. Since the polonium is contained in a closed source, it is not airborne, so there is no danger of inhaling it. Also, bleach, alcohol, acids, bases, or solvents do not easily kill anthrax spores. Any anthrax spores that are not killed can remain a threat for many years.

With additional funding from Circle Group Holdings, Inc., Czajkowski and Panessa-Warren, with the aid of George Tortora, Head of Clinical Microbiology at University Hospital, Stony Brook, intend to continue proof-of-principle tests and microscopic analysis of the spore destruction process using both transmission electron microscopy and scanning electron microscopy at BNL. So far, test results are extremely promising. Final steps before commercialization will be to make and optimize a prototype for field use.

The researchers do not actually work with anthrax at BNL; they work with a genetically identical bacterium called *Bacillus cereus*. This model bacterium does not contain or produce the dangerous toxins that anthrax produces. — Diane Greenberg

Nanoscale Model Catalyst Paves Way Toward Atomic-Level Understanding

In an attempt to understand why ruthenium sulfide (RuS_2) is so good at removing sulfur impurities from fuels, BNL chemists have succeeded in making a model of this catalyst — nanoparticles supported on an inert surface — which can be studied under laboratory conditions.

"If we can understand why this catalyst is so active, we might be able to make it even better, or use what we learn to design other highly efficient catalysts," said Tanhong Cai of the Chemistry Department, one of the scientists who made the model.

commonly used for this "hydrodesulfurization" reaction. But studying the catalyst in action is nearly impossible because the reaction takes place at high temperatures and under extreme pressure.

The BNL team has therefore created a model of the catalyst via a chemical reaction that deposits its nanosized particles of RuS_2 on a nonreactive gold surface. The small size of the particles maximizes the surface area available for the catalytic reaction to take place, and makes it ideal for analysis by classic surface chemistry techniques, such as scanning tunneling microscopy and x-ray photoemission spectroscopy. The entire model is being studied under well-defined ultra-high vacuum conditions.

Cai presented a talk on the preparation and characterization of this model catalyst at the American Chemical Society's September meeting during the "Size-Selected Clusters on Surfaces, Division of Physical Chemistry" session. The work was funded by the Division of Chemical Sciences, Office of Basic Energy Sciences at DOE's Office of Science.

— Karen McNulty Walsh

In a series of articles that began on September 26, 2003, the Bulletin is featuring some of the BNL research that was presented at the 226th meeting of the American Chemical Society (ACS), September 7-11, 2003, in New York City.

Important Intermediate Isolated With Help From Reverse Reaction

BNL chemists have used a new way to isolate and study an important intermediate in a chemical reaction: They run the reaction in reverse.

By starting with the final products — epoxides — and placing

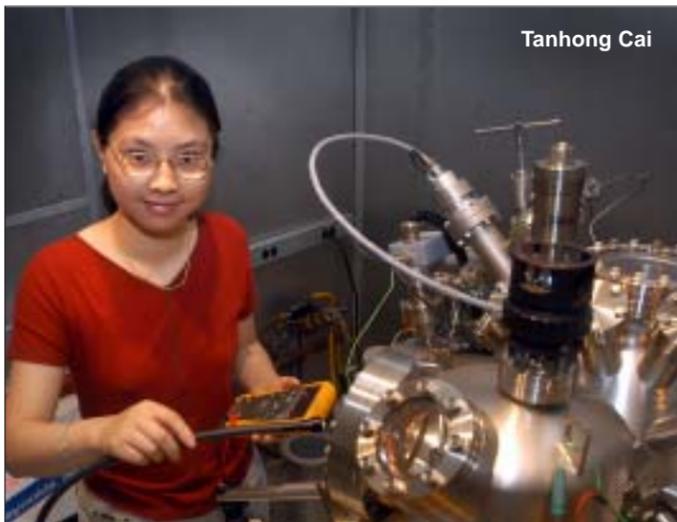
them on the surface of a model catalyst, the chemists are able to use surface chemistry techniques to "catch" the intermediate. Understanding this intermediate may ultimately help in developing improved or new catalysts for the forward reaction — a reaction that produces important "building blocks" in the manufacture of larger organic molecules.

In the forward direction, the interaction of the reactants with the surface is either too weak to allow direct study of the mechanism, or the intermediate — a ring structure on the surface of the silver catalyst — forms and transforms too quickly for scientists to study. But in reverse, the intermediate stays on the surface longer, so scientists can apply various techniques to try to understand the reaction mechanism.

"If we find a general rule based on our studies with this model catalyst, then we can design a new catalyst, because we know how the reaction occurred

on the surface," said the Chemistry Department's Hong Piao, who is working on the project. The general goal is to improve the reactivity and selectivity of the catalyst for producing particular products.

Piao presented a talk on this work at the American Chemical Society's September meeting's Division of Colloid and Surface Chemistry poster session, "Fundamental Research in Colloid and Surface Chemistry." This work was funded by the Division of Chemical Sciences, Office of Basic Energy Sciences at DOE's Office of Science. — Karen McNulty



Tanhong Cai

Joseph Rubino D6130603

Removing sulfur from fossil fuels such as oil and coal is mandated because the resulting fuels burn more cleanly and efficiently. One common way of achieving this is to add hydrogen in the presence of a catalyst to release hydrogen sulfide (H_2S).

Recently, RuS_2 was found to be 100 times more active than the catalyst most



Hong Piao

Joseph Rubino D6240803

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 Building (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 —

Mondays: BNL Gospel Choir

5:15 - 7 p.m. Berkner Hall auditorium. All faiths welcome! www.bnl.gov/bera/activities/choir

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.html for schedule. Jen Lynch, Ext. 4894.

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. Christine Carter, Ext. 2873.

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

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

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Hall. 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

5:15 p.m., Brookhaven Center. Contact: Jean, Ext. 4391.

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. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Christine Carter, Ext. 2873.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Suzanne Suroow, 476-6610.

Wednesdays: Farmer's Market

11:30 a.m.-1:30 p.m., Berkner Hall parking lot

Wednesdays: Weight Watchers

Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga Practice

Noon-1 p.m., Brookhaven Center. 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. Hall. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Fridays: Jiu Jitsu Club

6-7 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

— THIS WEEKEND —

Fri.-Sun. 10/17-19

*BERA Camp Out

\$5 per family. Join the BNL Camping Club in camping at the gazebo by the ball fields. Bring candy for trick or treating and a covered dish for Saturday night's party. Gerry VanDerlaske, Ext. 3476, Penny Lo Presti, Ext. 2625, or Anna Seda, Ext. 7132. See also page 4.

— WEEK OF 10/20 —

Monday, 10/20

IBEW Meeting

6 p.m. Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

— WEEK OF 10/27 —

Tuesday, 10/28

*Health Promotion Program Talk

Noon-1 p.m., Hamilton Seminar Room, Bldg. 555. Join author and registered dietician Brenda Davis when she presents "Cutting Edge Vegetarian Nutrition: Good Nutrition Information for Vegetarians and Non-Vegetarians." Check your mailbox for registration forms. Michael Thorn, Ext. 8612.

In Memoriam

The Bulletin has learned that employee Laura Zaharatos died in 2000. The following memorial article is late, to our great regret.

Laura Zaharatos

Laura Zaharatos, who was a senior administrative assistant in the Director's Office with more than 32 years of service to the Lab, died on April 5, 2000. She was 52.

Zaharatos first came to BNL as a stenographer in the Physics Department for three months in June 1966, returning to Physics a year later with an Associate's degree in secretarial science, to become a secretary. In 1970, she was promoted to secretary III, then left on July 27, 1973, to join the office of New York State Senator Leon Guiffreda, 1st District, Suffolk County.

Zaharatos returned to the Lab on June 17, 1976, to join the then Personnel Division as a secretary IV. One year later, in 1977, she took another promotion, to executive secretary, on moving to the then Department of Nuclear Energy (DNE). Zaharatos worked in that department for eight years, becoming a senior executive secretary in 1984.

"Laura joined the reactor safety programs and provided very capable support to our ongoing programs on the safety of liquid metal fast breeder reactors," said Robert Bari, who was Associate DNE Chair in 1982 and later chaired the department. "Everyone in the program had a warm regard for her presence and contributions to a very dynamic program which was international in scope. As the programs evolved over the years, Laura was a highly adaptable team player who brought a sense of well-being to her fellow employees. She exemplified what is best about Brookhaven, and we miss her."

In 1985, Zaharatos transferred to the Director's Office and was promoted to administrative assistant in 1986 and senior administrative assistant in 1989.

"Laura Zaharatos served as the administrative aide to seven BNL associate directors and was known to and cherished by literally hundreds of AGS and RHIC scientists, both in the Laboratory and at outside universities and laboratories" said Thomas Kirk, Associate Laboratory Director for High Energy and Nuclear Physics (HENP). "She interacted with nearly all of our scientist users at one time or another and served as the generous heart of a support and communications web that helped them succeed in their physics endeavors here. She also aided the HENP Associate Laboratory Directors with a cheerful and expert capability that made everyone who worked with her a little happier. We still miss her very much."

A resident of Farmingville, Laura Zaharatos is survived by her husband, Raymond Zaharatos of the Collider Accelerator Department, and daughter Cari.

— Liz Seubert

Benefit Notes

Sign-Up Deadline, 11/14

The deadline for making changes to medical and dental coverage for 2004 is Friday, November 14.

Those who want to participate in the 2004 health care or dependent daycare flexible spending accounts must do so by Friday, November 14 as well.

For more information, contact the Benefits Office, Ext. 2877, Ext. 5126, or (800) 353-5321.

Wanted: BNL Art and Crafts for Fall Show

BNL artists, sculptors, crafters: Your most beautiful, eye-catching work is needed for the BNL Art Society's upcoming Thanksgiving Art and Crafts Show, to be held at Berkner Hall from Monday to Wednesday, November 24-26, from 11:30 a.m. to 1 p.m. An evening reception with refreshments will also be held on Monday, November 24, from 5 to 7 p.m.

BNL employees, retirees, facility-users, guests, contractors, and their family members 15 years of age and older may all contribute. More than one piece may be entered by an exhibitor, to be shown as space permits. Enter your finest skilled and creative works for the Lab community to enjoy.

Exhibits for the show must be brought to Room C, Berkner Hall, after 2 p.m. on Friday, November 21. To be included in the catalog, complete a form for each work entered and return them by Monday, November 10, to Robert Chrien, Bldg. 510A. Copies are acceptable. For more information, contact Chrien, Ext. 3903, chrien@bnl.gov, or Liz Seubert, Ext. 2346, lseubert@bnl.gov.

Entry Form

BNL Art & Crafts Show, November 24-26, 2003

Name: _____

Home phone: _____

Name of BNL contact: _____

BNL extension: _____

Type of art/craft: (painting, sculpture, photo, pottery, quilting, etc.) _____

Title of work, if there is one: _____

Description: (medium/material, size) _____

**PLEASE PRINT CLEARLY AND RETURN TO ROBERT CHRIEN,
BLDG. 510A, BY NOVEMBER 10.**

Healthfest 2003: October 20-24 A Week of Health, Fitness & Safety

From Monday, October 20, through Friday, October 24, BNL employees, retirees, facility-users, and other guests are again invited to participate in Healthfest — the Lab's tenth annual celebration of personal health, fitness and safety.

The five-day festival has the following activity schedule:

MONDAY, OCTOBER 20 —

- fitness walk - 2 miles, rain or shine, with your co-workers, at your own pace, noon-1 p.m., starting at the Science Education Center, Bldg. 438, registration required
- aerobic stretch - rain or shine, 11:45 a.m.-noon at the Science Education Center, Bldg. 438, registration required
- tour of gym, pool, and weight room - 11:30 a.m.-1:30 p.m. Christine Carter, Ext. 5090

TUESDAY, OCTOBER 21 —

- fitness run - 5 kilometers (3.1 miles), rain or shine, your choice to race or jog around the on-site course, 12:05-1 p.m., start at the Biology Department, Bldg. 463, registration required
- Jazzercise - noon-1 p.m., at the Brookhaven Center, Bldg. 30
- tour of gym, pool, and weight room - 11:30 a.m.-1:30 p.m. Christine Carter, Ext. 5090

WEDNESDAY, OCTOBER 22 —

- health, fitness & safety fair - 11 a.m.-2 p.m., featuring displays, screenings, and demonstrations, at Berkner Hall, Bldg. 488

THURSDAY, OCTOBER 23 —

- health, fitness & safety fair - 11 a.m.-2 p.m., featuring displays, screenings and demonstrations, at Berkner Hall, Bldg. 488
- Belly Dancercise - noon-1 p.m., at the Brookhaven Center, Bldg. 30

FRIDAY, OCTOBER 24 —

- mountain-bike ride - 8 miles with 5-mile bail-out, bike the course through the woods on the firebreaks, starting at the gazebo next to the ballfields; helmets and registration required
- Pilates - noon-1 p.m., at the Recreation Hall, Bldg. 317.

For more information and to register for specific activities, look for the green-colored Healthfest flyers delivered to each mail stop or the Healthfest brochures found around site.

2004 BSA Scholarship Alert

Applications for 2004 BSA Scholarships may now be obtained from the Human Resources Division, Bldg. 185. The application deadline is November 15.

Children of regular employees of BNL are eligible to compete for up to 13 BSA scholarships, each for \$2,500 per year, renewable for up to four years of study toward an academic degree.

Also, up to two scholarships may be awarded to BNL employees' children who are black, Hispanic or Native American. If there are no awards to under-represented minority students, then the remaining scholarships will be awarded to non-minority students.

Applicants must be secondary school seniors who will be graduated during the current academic year and entering college by fall 2004.

In addition, qualified applicants must be: children of BNL employees who began regular, full-time, or regular, eligible part-time employment no later than November 15 of this year, and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the previous two years before making the application.

For more information, call Bonnie Hulse, Ext. 2885.

Health Promotion Program Talk, 10/28

Join author and registered dietician Brenda Davis from noon to 1 p.m. in the Hamilton Seminar Room, Bldg. 555, where she will present "Cutting Edge Vegetarian Nutrition: Good Nutrition Information for Vegetarians and Non-Vegetarians."

Learn the fine details of the nutrients of concern to vegetarians or vegans — specifically protein, iron, calcium, vitamin D, vitamin B12 and essential fatty acids. Information covered in the talk can be found in Ms. Davis' books: *The New Becoming Vegetarian* and *Becoming Vegan*.

Davis is a leader in her field and an internationally acclaimed speaker. She is a past chair of the Vegetarian Nutrition Dietetic Practice Group of the American Dietetic Association and is author of five books. She will sign copies of her books before and after her talk.

Check your mailbox for registration forms. For more information, call Michael Thorn, Ext. 8612.

Retirement Counseling

A TIAA-CREF representative will visit BNL on Wednesday, October 29; Thursday, October 30; and Friday, October 31, to answer employees' questions regarding the TIAA-CREF retirement plan, such as TIAA and CREF differences, allocating funds between TIAA and CREF, options, flexibilities with TIAA/CREF, and retirement options.

To arrange a 45-minute appointment, call Duane Walden, (800) 842-2733, Ext. 7289 (not the on-site Ext. 7289).

2003 BERA Volleyball Champs



Roger Stoulenburgh D196703

Open League A. Champions UCB Roofing Co., who topped the runners-up Death Volley team with a championship match score of 3-2 (23-25, 23-25, 25-23, 25-15), are: (from left) D.J. Greco, Travis Shrey, Kevin Smith (stunt double), Joe Greco, Alain Domingo, and Greg Marr. Not pictured are Tom Hayes and Art Sedlacek.



Roger Stoulenburgh D196703

Open League B. The champion STAR Destroyers, who eliminated the runners-up, the Easy Spikers, with a match score of 3-2 (23-25, 23-25, 25-23, 25-23, 25-15), are: (from left) Sergey Panitkin, Gene van Buren, and Dan Magestor. Not pictured are: Javier Castillo, Manuel Calderon, Christophe Suire, and Thomas Ullrich.



Roger Stoulenburgh D196703

Mixed League 2. The Upsetters upset the runners-up, the Nuts and Bolts team, to take the championship with a match score of 3-2 (15-11, 10-15, 3-15, 15-5, 15-13). The Upsetters are: (back, from left) D.J. Greco and Tony Hammil, (front, from left) John Butler, Jennifer O'Connor, Dina Tullo, and Larry Musso. Not pictured are Izzy Garcia and Kathy Griffin.



Roger Stoulenburgh D196703

Mixed League 3. The Upton Ups upped their score and won the championship over the runners-up, the Castaways, with a championship match score of 3-1 (15-13, 15-6, 12-15, 15-10). The Upton Ups are: (from left) Ed Sperry, Patti Bender, Terry Meier, Stephanie Meier, who represented missing team and family members, Jim Meier, and Pete Popken. Not pictured are: Mary Grace Meier, Bob Howe, Doris Johnston, Twig Bender, and Jessie Wilk.

Upton Nursery School Seeks Students

The Upton Nursery School, a friendly, cooperative nursery school run by parents, is looking for additional students. Lab employees whose children are 3 to 4 years old, or who will be 3 by December 1, 2003, are welcome to enroll.

Two professional teachers hold classes on Tuesday and Thursday mornings at the Recreation building. For more information, visit the school's website at www.bnl.gov/nurseryschool or contact Alison Tilp, Ext. 4465, or tilp@bnl.gov.

BERA Halloween Party, 10/31

All BNLees age 18 and over are invited to the annual BERA Halloween Party on Friday, October 31, from 6 to 11 p.m., in the Brookhaven Center.

There will be a DJ, dancing, costume prizes, a light dinner, and cash bar. Tickets, at a cost of \$10 per person, can be purchased at the BERA Sales Office now through Wednesday, October 29. Everyone must have a ticket. For more information, contact Christine Carter, Ext. 5090.



Arrivals & Departures

Arrivals

Kelly Bergesen Physics
Lisa Catton Medical
David Geib Biology

Departures

Marco Donno PPM
Maria Gatz ITD
John Johnson ES&T
Jadwiga Kycia Biology
David Masem ITD

Children's Halloween Party, 10/31

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

For more information, call Monique de la Beij, 399-7656.

Social & Cultural Club Friday Evening Dance

For more information about these and other Social & Cultural Club activities, contact Rudy Alforque, Ext. 4733, or visit <http://www2.bnl.gov/rudy/social>.

'Mostly Swing' Dance Social

Every 3rd Friday of the month, the BNL Social & Cultural Club sponsors a TGIF "Mostly Swing" dance social at 7:30 p.m. at the Brookhaven Center North Ballroom. Come and swing to the music of Glenn Miller, Duke Ellington, Artie Shaw, Louis Armstrong, Ella Fitzgerald, Frank Sinatra, and others. Some ballroom and Latin music will also be in the mix. It's a general social mixer so partners are not required. Just come out alone or with your friends and do the Swing — the only street dance that has traditional American roots! Suggested donation, \$3.

TGIF Dance Lessons and Social

The BNL Social and Cultural Club sponsors dance lessons and dance socials every Friday at the Brookhaven Center North Ballroom except on 3rd Fridays of the month (see above). Class attendance requires BERA membership, although each BERA member may bring one guest. Registration is currently open for Series 2 (10 weeks):

- 6-7 p.m., Salsa I & II
- 7-8 p.m., West Coast Swing II & Savoy Lindy I
- 8-9 p.m., Samba II & Hustle I

Classes are 5 weeks for each dance. Total cost is \$90 for all three classes, \$80 for any two classes, and \$60 for any one class. This includes two hours of general dancing after the lessons from 9 to 11 p.m.

To register, go to www.collider.bnl.gov/social/pre-enrollment.html.

Final registration will be held on Oct. 17 during the "Mostly Swing" dance social in the Brookhaven Center North Ballroom. Classes will start on Friday, Oct. 24.

Now Available at the BERA Sales Office:

- 2004 Entertainment Books
- Discount UA/REGAL Movie Tickets
- Tickets for the BERA Halloween Party, 10/31
- Tickets for Peddlers Village Shopping Trip, 12/6
- Tickets for Radio City Holiday Show, 12/7
- Tickets for BERA Holiday Party, 12/19
- Tickets for Lion King on Broadway, 2/21
- Konica Film Processing

Konica film processing costs \$4.99 for any size roll of film, which includes a free second set of prints or a free roll of film with single prints.

The BERA Sales Office, which now accepts Visa, MasterCard, and Discover credit cards, is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information about these and other products and services available at the BERA Sales Office, contact Andrea Dehler, Ext. 3347.

Calendar

(continued)

Friday, 10/31

*Children's Halloween Party

5 p.m., Rec. Bldg. The Hospitality Committee invites all BNLees to wear a costume to the party and to bring a cold dish to share. At 7 p.m., everyone will go trick-or-treating on site. Parents are encouraged to wear costumes too. Monique de la Beij, 399-7656.

*BERA Halloween Party

6-11 p.m., Brookhaven Center. All BNLees age 18 and over are invited. See notice at left on this page. Buy tickets, \$10 each, at the BERA Sales Office. Everyone must have a ticket. Christine Carter, Ext. 5090.

Saturday, 11/1

*Diwali 'The Festival of Lights'

3:15 p.m., Berkner Hall. Tickets purchased through 10/24 cost \$11 for adults, and \$7 for children ages 5-12. After 10/24, tickets cost \$12 for adults, and \$8 for children ages 5-12. To reserve your tickets, contact Piyush Joshi, Ext. 3847, joshi@bnl.gov; Kumi Pandya, Ext. 7734, pandya@bnl.gov; Achyut Topé, Ext. 5672, tope@bnl.gov; or Sharadha Sambasivan, Ext. 4862, sharadha@bnl.gov; by 10/30. See also notice on page 4.

— WEEK OF 11/3 —

Tuesday, 11/3

Caring Friends Meet

Noon, Berkner Hall, Room D. An informal support group meets to serve as a resource for individuals experiencing grief and the many emotions following the loss of a loved one. Gatherings are on the first Tuesday of each month. All are very welcome. For more information, call Pat Hein, Ext. 3962, or Gerry Van Derlaske, Ext. 3476.

— WEEK OF 11/10 —

Tuesday, 11/11

BNL Closed to Honor Veterans' Day

No Bulletin will appear on Friday, 11/14.

Thursday, 11/13

Community Advisory Council Meeting

6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see <http://www.bnl.gov/community/CAC.htm>.

— WEEK OF 11/24 —

Mon.-Wed., 11/24-25

*Thanksgiving Art & Craft Show

Berkner Hall, Room B. Mon.-Wed., 11:30 a.m.-1 p.m. Evening reception on Mon., 5-7 p.m. Art and crafts by BNL employees, retirees, facility-users, guests, contractors, and their family members 15 years of age. All are invited to display their creative work. See entry form, page 2. Contact Robert Chrien, Ext. 3903, chrien@bnl.gov, or Liz Seubert, Ext. 2346, lseubert@bnl.gov.

— WEEK OF 12/1 —

Saturday, 12/6

Shopping Trip to Peddler's Village

\$15 per person. Bus leaves BNL at 9 a.m. and returns to BNL at 7 p.m. Peddler's Village is a country village in Pennsylvania with 70 specialty shops that sell a wide variety of merchandise. Purchase tickets at the BERA Sales Office. Christine Carter, Ext. 5090.

Sunday, 12/7

Radio City Holiday Show

\$76 per person includes round-trip bus transportation and orchestra seats for the noon show. There will also be free time to spend in the Rockefeller Center area. Bus leaves BNL at 9 a.m. and returns to the Lab at 7 p.m. Purchase tickets at the BERA Sales Office in Berkner Hall. Christine Carter, Ext. 5090.

— WEEK OF 12/8 —

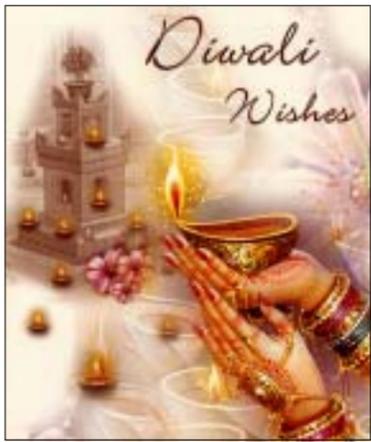
Thursday, 12/11

Community Advisory Council Meeting

6:30 p.m., Berkner Hall, Room B. Open to the public. For more information, see <http://www.bnl.gov/community/CAC.htm>.

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.

BERA Indo-American Association Holds Diwali 'The Festival of Lights,' 11/1



On Saturday, November 1, join the BERA Indo-American Association in celebrating the Indian tradition of Diwali — The Festival of Lights. All are welcome to join the festivities, which will be held at Berkner Hall. The program includes a full cultural program starting at 3:15 p.m., followed by an authentic Indian dinner at 7 p.m.

Tickets purchased through October 24 cost \$11 for adults and \$7 for children ages 5-12. Tickets purchased after October 24 cost \$12 for adults, and \$8 for children ages 5-12.

To reserve your tickets, contact Piyush Joshi, Ext. 3847, joshi@bnl.gov; Kumi Pandya, Ext. 7734, pandya@bnl.gov; Achyut Topé, Ext. 5672, tope@bnl.gov; or Sharadha Sambasivan, Ext. 4862, sharadha@bnl.gov, by Tuesday, October 30.

Children ages 13-17 are welcome to participate in a short story presentation. For more information, or to participate, contact Milind Diwan, Ext. 3327, or diwan@bnl.gov. To participate in an Art-Rangoli display or Mithayi contest, contact Kumi Pandya, Ext. 7734, or pandya@bnl.gov.

Motor Vehicles & Supplies

01 CHEVROLET CAMARO SS - a/c, p/s, p/b, p/w, p/l, 6spd. w/Hurst shifter, leather int., T-tops, many opts., ext. warr., 24K mi., ask. \$19,995. Maria, Ext. 5483 or 744-0790.

01 SUZUKI GSX 600 KATANA - canary yellow & blk. motorcycle, ask., \$4,500. Laura, Ext. 5035.

00 CHEVROLET BLAZER ZR2- 2dr., high rider, a/t, a/c, p/s, p/b, p/w, mint cond., 36K mi., \$15,500. Vinny, 286-3446.

98 FORD ESCORT ZX2 - 5spd., a/c, p/s, p/b, excel. cond., Alpine CD w/XM digital satellite, am/fm radio + Infinity speakers, 50K mi., ask. \$4,200. Rob, 917-865-9668.

98 VOLVO V90 WAGON - a/t, a/c, p/s, p/b, p/w, blk/gray leather interior, loaded, mint cond., 70K mi., \$6,900. Lisa, 205-0028.

94 TOYOTA 4 RUNNER SR5 - new rebuilt eng., 25K warr., moonroof, grill guard, CD, new tires, runs well, \$6,000. John, 921-0567.

94 BLAZER S10 TAHOE - loaded, many new parts, \$4,000. Mike, Ext. 5423.

93 FORD PROBE GT - 5spd., a/c, p/s, p/b, p/w, blue, V6 eng., alum. wheels, cust. stereo, gd. cond., sec. system, more, 102K mi., \$3,500. Neville, Ext. 5346 or 258-3444.

91 BUICK REGAL - a/c, p/s, p/b, p/w, gd. cond., 105K mi., \$1,000. Marie, 286-3777.

91 HONDA ACCORD LX - 5spd. a/c, p/b, p/w, p/s, c/c, white, 4dr., am/fm cass., very gd. cond., no rust, no smoke, no leaks, 107K mi., \$3,500. Ken, 281-5565.

91 TOYOTA CAMRY - white, 4dr, a/c, a/t, p/w, p/d, cc, am/fm cass., fold down rear seat, gd. cond., 99K orig. mi., Lonny, Ext. 5333 or 941-1057.

88 CROWN VICTORIA - blk, clean, runs very well, \$2,500 obo. Al, Ext. 2175 or 874-9664.

87 VOLVO 760 GLE - a/t, gd. cond., 183K mi., \$1,000. Rajagopalan, Ext. 2058.

85 CADILLAC SEVILLE - sedan, a/t, a/c, p/s, p/b, p/w, cc, cass., leather baby blue int., 160K mi., \$995. Denise, Ext. 5873 or 281-6026.

85 MERCEDES 380 SL - a/c, p/s, p/b, p/w mint cond., all orig., removable hard top, 40,000 mi. warranty incl., 55K mi., \$18,500. Jim, Ext. 7971 or 286-1358.

79 CHRYSLER LEBARON - a/t, a/c, p/s, p/b, many new parts, runs well, classic, 72K mi., \$1,500. Michael, Ext. 2960.

78 MERCEDES BENZ 300CD - gd. cond., \$2,500. Cynthia, 363-2790.

BED RAIL GUARDS - new from Ford Ranger 6' bed, put top on truck, fits Ranger & Mazda P/U, cost \$165, sell for \$100. Mike 751-2149.

ECONO CAR TRAILER - '97 dual axle, excel. cond., \$1,050. Richard, 589-9130.

Boats & Marine Supplies

22' CRUISERS INC. BARNEGIT - '87 w/trailer rebuilt 350 Chevy & O/D, new parts, mint, \$7,000; Sea Doo Jet Ski w/trailer, mint, \$850. Paula, 516-798-2599 or 516-860-9339.

Furnishing & Appliances

BED - hi-riser, Simmons, mint cond., \$75. Jeff, 878-0898.

BEDROOM SET - 6' dresser, 4' mirror, 2 night tables, 2 twin beds, king-size headboard, \$200; 30 gal. electric hot water heater, \$100. Horst, 874-2737.

COUCH - 3pc. gray, peach & beige sectional, excel. cond., \$900. Cynthia, 698-9016.

DAY BED - new, white, excel. cond., \$120; 3pc. twin white comforter set, \$25; AnnMarie, Ext. 7007.

DINING ROOM SET- formal, kit. set, lr set, waterbed w/matching furniture and more. Andy, Ext. 7666.

DINING SET - maple, table w/2 leaves, 2 chairs w/arms 2 chs. w/o arms, hutch w/glass drs. on top, excel. cond. \$800, neg. Ray, Ext. 5272 or 924-0361.

DINING SET - blk. lacquer, w/gold trim, table 40x72 w/chairs, 3-pc wall unit, \$575. Diana Ext. 3681 or 399-3910.

DINING SET - table, 4 chairs, wood, excel. cond., \$100. Bejawan, Ext. 5683 or 344-1014.

FREEZER - large, upright, by Federated, 4 shelves w/wire basket, excel. cond., \$150 obo. Donna, Ext. 2826.

MIRRORS - two dark oak framed oval mirrors, excel. cond., \$25 ea; brown metal bridge table & 4 folding chairs, excel. cond., \$35. Celeste, 878-4356.

PATIO FURNITURE - 3 chairs, 2 tables, 1 chaise lounge, 1 footstool, cream PVC w/cream, melon & sage cushions, \$100. Bonnie, Ext. 7250.

REFRIGERATOR - GE side-by-side 24 cu.ft. model TFX24ZJC, excel. cond., Energy Star rated, no-spill glass shelves, ice maker ready, \$200. John, Ext. 5211.

REFRIGERATOR - GE, gold, full size, w/frzr., works well, you pick up, \$50; GE, white elec. free-standing. lg. oven w/side storage, works well. Angela, 289-4442.

SOFA BED - and love seat, taupe, \$400; oak coffee table, 2 end-tables, \$300; oak entertainment ctr., \$300, all like new, 3 yrs. old. James, Ext. 3170 or 475-4947.

Tools, House & Garden

HEATER - kerosene, \$20. AnnMarie, Ext. 7007.

LATHE - metal cutting 10" swing bench top, model comes w/some attachments, ask., \$500. William, Ext. 3799 or 754-3469.

LAWN MOWER - Black & Decker, 3.5hp cordless 3 yr. old mower, excel. cond. \$95. Seltzer, 286-8849.

LAWN MOWER - 4hp Quantum, 21" cut, almost new \$70; '69 Johnson outboard eng., 9.5hp, 2 cyl., runs/look excel., \$350. Chris, 2094 or 929-5008.

LEAF VACUUM - Billy Goat, 5hp w/shrub attach., best off. over \$250. Tim, 208-0408.

RADIAL ARM SAW - Craftman 10" w/ roll around table. \$275. Rolf, Ext. 2305.

RIDE-ON MOWER - 14.5hp Craftman, 42" cut, grass catcher, tow behind thatcher, like new, \$1,000 neg. Mike, 447-7879.

Sports, Hobbies & Pets

BIKE - brand-new Mongoose Pro Mountain ladies' 18-spd. \$200; exercise bike, \$15; cardio-glider, \$45. AnnMarie, Ext. 7007.

BIKE - young boy's red & blk. bicycle, gd. cond. \$30. Donna, Ext. 2826.

COOKTOP - 3-burner stove, gd. cond. for RV, motor home, trailer, or pop-up, ask. \$75. Tim, 208-0408.

DOLLHOUSE - assembled, painted farmhouse, 2-story incl. furn., light kit (not installed), \$200 firm. Doreen, 286-0259.

EXERCISE BIKE - Schwinn stationary bike, computer read-out, orig. \$300, excel. cond., \$100. Jim, 924-7374.

EXERCISER - Body by Jake, back & ab mach., stair stepper, \$25/both. Mike, 447-7879.

GOLF CLUBS - youth size, left-handed set w/bag, barely used, \$30. Kelly, Ext. 7746 or 580-2940.

SKATES - Inline skates, size 11, TR902 Tour Series w/back pack & pads, like new, \$100; Nike Missions, size 8, \$50. Mary 878-4512.

Audio, Video & Computers

MONITOR - 17" E Machine, \$120; Lexmark inkjet printer Z705, \$50, both new, in boxes. Pat or Ralph, Ext. 2539.

PALM SMARTPAD - use w/palm III or higher, capture handwritten notes or drawings on your palm, tested & works, like new, \$50. Frank, Ext. 5920.

Miscellaneous

CHRISTMAS NATIVITY - large stable & figures, \$30; 36 pc. stemware set, clear & frosted glass, \$75/all. Donna, Ext. 2826.

COSTUME - Hershey Kiss child's costume, \$10. AnnMarie, Ext. 7007.

GUITAR - Alvarez acoustic model 5220, mint cond.; new Shaller turners-new case, \$450 firm. John, Ext. 3805 or 277-3805.

PIÑATAS - unique, all occasions & characters, cartoon, Disney, Sesame Street, etc. Donna, 821-0359.

EZ-LIFT CHAIR - motorized recliner raises person to near-standing, easy in & out, \$100; golf balls used, 10 for \$2.50 by brand, 10 for \$1.50 random mix. Pete. Ext. 5114.

AUDIO STAND - silver, new, \$100; digital Kodak camera dock station, new, good starter camera, \$125; full size mattress & boxspring, hardly used, best offer. Mary, Ext. 2900.

TRAILER - two wheel rack body, does tow well, \$225; adult exercise walker, no mach., \$100. Richard, 924-6751.

VIOLIN - Anatra, like new, comes w/a rosin, bow & case, one of the best brands on the mkt., best offer. Kim Ext. 3556 or 399-3098.

WATCH - lady's 14k gold watch, wide band w/lift up cover, antique, intricately carved, over 60 grams, must see, ask., \$700. Rosalie, 289-5704.

WATCHES - Casio, Databank, G-Shock, Seiko, NY Yankees, w/manuals, some unworn, \$5-\$10; foot massager, new in box, \$5; Dr. Scholl's \$5, both w/heat & massage. Peter, Ext. 2913.

Yard & Garage Sales

PATCHOGUE - 10/18, 10 a.m.-4 p.m. country birdhouse & craft sale, items made in Vermont. 164 Jayne Ave., Robert, 475-4382.

Free

BED - twin mattress, box spring & frame. Arup, 744-6962, eves.

PRINTERS - HP prttr/copier/fax, fax n.g., Cannon, BubbleJet BJ-200. Morris, Ext. 4192.

For Rent

BELLPORT - 3-bdrm. house, furnished, avail. 11/1/03 - 5/1/04, no smokers/pets, util. extra, \$1,250/mo. Ursula, 212-904-1815.

BROOKHAVEN - 1-bdrm. apt., all new, v. lg. full kit., lr, bath, pvt. ent., driveway, skylight, new carpet, park-like yd., pond view; incl. a/c, all, \$1,000/mo. Jin, Ext. 7971 or 286-1358.

EAST MORICHES - share oversized 2-bdrm. house, furnished, ea. has own a/c, cable & phone, 300ft. to bay, 10 mi. to BNL, non-smoker. 744-8386.

EAST PATCHOGUE - La Bonne Vie - 1 1/2-bdrm. apt., 1st fl. w/patio, lr/dr, eik, pets ok, incl. heat & water, \$1,140/mo. + 2 mos. sec. + 1 mo. rent. Ken, 447-3954.

FARMINGVILLE - furn. studio apt., pvt. ent., grd. floor, eik, lr, bath, loft, pkg., no pets. \$675 all, 1 mo. sec., 1 mo. rent, 698-4882. lv. message.

MANORVILLE - 2-bdrm. townhouse, 2 bath, furn., Silver Ponds, LIE exit 69, Oct.-May, \$1,200/mo. + util. Nancy, 352-688-9136.

MEDFORD - 2-bdrm. bsmt. apt., sep. ent., all util. & cable incl., non-smoker, no pets/children, \$1,000/mo. + 1 mo. sec. Cynthia, 698-9016.

MIDDLE ISLAND - bright 2-bdrm., 1.5 bath apt.; lr, cac, d/w, sep. ent., prkng, avail. 11/1, pets ok. \$1,210/mo. Alex, 516-658-8678.

MIDDLE ISLAND - 1-bdrm. apt., lr, bath, kit, pvt. ent., \$850. incl. all. Boyzie, 786-3620.

MILLER PLACE - 1-bdrm. ranch, lr, dr, fr, pvt. yd., deck, basement, nr. beach, mint, no smkg./pets. \$1,500/mo. Paula, 473-3349.

NORTH SELDEN - 1 bdrm., lr/kit. combo, full bath, w/d, 1-car, no smkg./pets, \$850/mo. + sec. & ref., 15 min. to BNL. Helen, Ext. 6235 or 928-7107.

PATCHOGUE - 1 bdrm., 2nd. flr., La Bonne Vie, lease ending 2004 & renewable for takeover, \$1,025/mo. Stephen, Ext. 2743.

PORT JEFFERSON STATION - 1 bdrm., w/ deck, first mo. rent free, walk to train, \$1,160/mo. Wonsub, Ext. 6145 or 642-2046.

RIDGE - 1-bdrm. apt. on border w/Shoreham, new kit. & bath, 5 mi./5min. to BNL, quiet devel. \$800/mo./all. Greg, Ext. 2278.

ROCKY POINT - lg. 1-bdrm. bsmt. apt., kit./lr combo, closets, pvt. ent., parklike setting, no smkg./pets, sec. & refs., \$1,000/mo. Greg, Ext. 4548 or 874-8631.

RONKONKOMA - room w/full bath, closet, pvt. ent.; laundry & extra cabinet space privileges, furn./unfurn., 5 min./train & L.I.E., \$600/mo. + sec. incl. all, no smkg./pets. Nicholas, 588-0180.

RONKONKOMA - big rm. in house, w/cable, high spd. internet, washer/dryer, quiet, 20 min to BNL, \$600/mo. Yong, 988-3463.

SHIRLEY - lg. 1-bdrm. apt., lr, kit., full bath, spacious storage, pvt. ent., 10 min. to BNL, non smoker only, \$1,000/mo. Nancy, Ext. 4303 or 878-5449.

SHIRLEY - 2-bdrm. apt., lr, eik, full new bath, close to Lab, \$1,000/mo. + util. Ron or Marie, 874-8067.

SHOREHAM - bdrm., lr, eik, incl. all, no smkg./pets, \$900/mo. + 1 mo. sec. Susan, 821-0887.

STONY BROOK - 1 bdrm. for 1, mature person, quiet, less than 1 mile to SBU, beach, train, & shopping, furnished. Jim Ext. 5018 or 689 3063.

STONY BROOK - 2-bdrm. ranch, 1 bath, lg. lr, dr, kit., f/p, lg. deck on 1/2 acre cul-de-sac near village, univ. & train, 3-Village schools. Cathleen, Ext. 7823 or 751-5574.

WADING RIVER - 1-bdrm. apt., lr, full bath, eik, pvt. ent., walk to beach., single, non-smoker, \$750/mo. + 1 mo./sec., util incl. cable, elec., wtr., heat, Richard, 929-5872.

WADING RIVER - 1-bdrm. apt., unfurn., 6/7 rms. on 2-fam./top flr., refrig. & gas stove, lg. kit., d/w, w/d, nr. beach, \$1,700/mo.+2 mos. sec., 1 mo. rent. Joanne, 878-5887 or 874-9557.

YAPHANK - 3-bdrm. condo, at Whispering Pines, garage, cac, fp, patio, basement. Steve, 447-9216.

CATSKILLS - 3-bdrm. chalet w/sleeping loft, fully furn., hunting & skiing, nr. Hunter & Windham. Kay, Ext. 4501.

DAYTONA BEACH, FL. - 2-bdrm. condo, 2 bath, ocean view, pool on A1A, rent by wk. or mo., call for prices, varies on the season. Donald, 807-4668.

KEY WEST, FL. - BNL discount by day/wk., loc. in old town nr. boating & night spots, see www.cypresskw.com. Dave, 800-525-2488.

For Sale

HAMPTON BAYS - 3-bdrm. cul-de-sac ranch, 1 bath, 1-car gar., new windows, boiler & roof, close to town, 5 min. to beach, great cond., \$350,000. Jennifer, 723-0665.

HAUPPAUGE - 4-bdrm. split ranch, room for extended family or office, 2.5 bath, formal dr, eik, den w/tp, det. gar., .5 acres, low taxes, 25 min. to BNL. Dan, 265-7839.

MASTIC - 4 bdrm., 2 bath, waterview on .25 acre, Mooring Range. Gary, 281-2571.

PORT JEFFERSON - country cape on quiet dead end st. in the village, low taxes. Helen, Ext. 2552 or 209-9621.

RIVERHEAD - 3-bdrm. ranch, 1.5 bath, lr, dr, kit., cath. ceiling, skylight, att. gar., unfin. bsmt., w/d hook-up, front porch & deck, quiet, \$260,000, must sell. Youlonda, 369-2531.

ROCKY POINT - 4-bdrm. contemporary home. Joe, Ext. 4826 or 821-3762.

ROCKY POINT - 2-bdrm. ranch, eik, lr, 1 bath, full bsmt., oil heat, greenhouse, fenced yd., low taxes, walk to beach, 15 min. to BNL, \$190,000. Joseph, 744-8087.

ROCKY POINT - 4-bdrm., 2.5 bath, lr w/tp, dr, eik, den, full unfin. bsmt., loft, 7 skylights, IGP w/patio, 2-car gar., 2 decks, 3/4 acre fenced, \$450,000. Joe, Ext. 4826 or 821-3762.

SOUND BEACH - new 3-bdrm. colonial, lr, dr, eik, 2.5 bath, oil/hot water heat, 1/3 acre, MPSP, choose colors, ask. \$340,000. Lynanne, Ext. 7918 or 821-1271.

TAYLORSVILLE, NC - 4 bdrm., 3 bath, 2 kits., 4 walk-in closets, all wood cabinets, 2-car det. gar., shed, 2 acres. JoAnn, 878-8263.

Wanted

ART - Lab artists, sculptors, crafters: hurry to finish your most magnificent work to exhibit in the annual Lab show, Mon.-Wed., Nov. 24-26. See entry form, page 2.

BERA Camp Out

The BNL Camping Club invites all BNLers who are interested in camping to join them on Friday, October 17 through Sunday, October 19 at the gazebo by the ball fields for a Halloween Camp Out.

The cost is \$5 per family and BNLers are asked to bring enough candy for trick or treating and a covered dish for Saturday night's party. For more information, contact Gerry VanDerlaske, Ext. 3476, Penny LoPresti, Ext. 2625, or Anna Seda, Ext. 7132.

CAROLERS wanted for the annual carol concert in Dec. Meet to practice on Mondays, noon, Berkner Hall. All voices needed, soprano to bass. Liz Seubert, Ext. 2346.

CHAIRS - need 6-8 dining room chairs. Barbara, Ext. 3431 or 878-9070.

DOLLS - v. old and/or v. unusual w/related teddy bears, dishes, etc. Richard, 475-4199.

RESEARCH SUBJECTS - Healthy men and women age 18-35 yrs. old. needed for MRI study of the effects of Ritalin. Compensation provided. All replies strictly confidential. Kimberly, Ext. 7447.

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

PEOPLE - anyone interested in New Orleans Cajun cooking classes. Rosalie, 289-5704.

ROOM MATE - Looking for someone to share BNL 2-bdrm. apt., short or long term is okay. Benjawan, Ext. 5863.

VISITORS TO GUEST NIGHT - BNL Toastmasters, Tue., 10/21, 5:30-7 p.m., improve your public speaking health. Nancy, Ext. 5744.

VACUUM TUBE TESTER - Hickok, B&K, EICO, etc., in gd. working order. Jonathan, 878-3430.

In Appreciation

Thanks to all who attended my farewell retirement dinner. It meant so much to me to share it with people who I loved working with.

— Richard Ryder

Thank you and so long to all my friends and co-workers, especially the men of EP's HEMO shop. It has been an honor and a privilege working with you all. May God bless you.

— Mike

We wish to thank everyone for their support after the sudden death of our son, Isaac. Thank you for the flowers, prayers, and kind words of condolence.

— Nathan Towne and family

My family and I thank those who gave their condolences and sympathy in the passing of my husband. Thank you all for the tremendous show of support at the Memorial, and a special thank you to those who contributed to the scholarship fund.

— Beth Lin

(To donate to the scholarship fund in honor of Dr. Mow Shiah Lin, send a check payable to "BAPAA" to Samantha Lin, Bldg. 527, BNL, Upton, NY 11973-5000.)

Happenings

5K RUN/WALK - at Little Flower Children's Services School, 2460 N. Wading River Rd., 10/18, 9:30 a.m. \$20 regist. 8-9:15 a.m., \$10/ students. Lg-slv. T-shirts for 1st. 150 regist. participants. Rain/shine. Sheryl Carey, Ext. 7716.

FAREWELL LUNCH - for ISD's Garfield Hawthorne & Cathy Green, 10/24, The Inn at East Wind, noon-2 p.m. \$