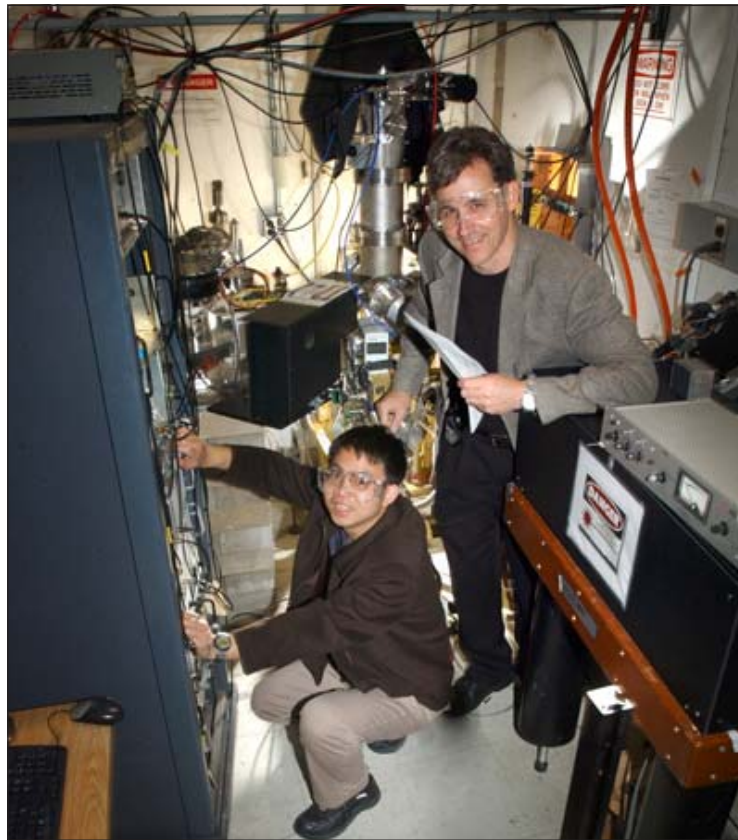


## DUV-FEL Facility Captures Molecules in Action

**B**NL scientists have released results from the first experiment at the Lab's Deep Ultraviolet Free Electron Laser (DUV-FEL) facility, which produces powerful ultraviolet laser light for research. The scientists investigated how gas molecules break apart when they are highly energized by the light — research that may offer insight into many fundamental chemical and physical processes that are based on molecule-light interactions, such as photosynthesis, radiation damage, and ozone formation.

"This experiment has helped us to understand the specifics of what happens when we excite molecules with energetic ultraviolet light," said Arthur Suits, Chemistry Department, who led the experiment. "We also learn, more generally, how electrons rearrange in molecules in response to the light, the nature of chemical bonds, and the dynamics of bond-breaking processes."

The results are described in the February 27, 2004, issue of *Physical Review Letters*. The research is funded by DOE's Office of Basic Energy Sciences within the Office of Science, the National Science Foundation, and the Robert A. Welch Foundation.



Arthur Suits (right) of BNL's Chemistry Department, Stony Brook University (SBU), and now Wayne State University, who led the research on ion pair imaging at BNL's DUV-FEL, is pictured with SBU graduate student Wen Li, BNL Chemistry technical collaborator, who built the imaging endstation and made the measurements.

The gas used in this experiment is methyl fluoride. Each molecule can be thought of as the sum of two parts: a negatively charged fluorine atom, or fluorine ion, and a positively charged methyl ion containing three hydrogen atoms bonded to one carbon atom.

When the researchers aimed the ultraviolet beam at a beam of methyl fluoride gas, the molecules each absorbed a single photon, or tiny "packet," of light. This caused them to separate, or dissociate, into their positive and negative fragments, called ion pairs.

Suits explained that when a molecule absorbs a lot of energy, normally it spits out an electron and becomes a positive ion. But sometimes, molecules temporarily exist in "superexcited" states, absorbing enough energy to ionize, but instead dissociating into fragments. By studying the parts, scientists gain information about the whole molecule and details of the bond-breaking process.

In this experiment, Suits and his collaborators used a technique called "ion pair imaging" to learn about methyl fluoride's reaction to the light. After breaking the molecules into ion pairs, they tracked the motion of the fluorine ions by causing them to strike a screen

(continued on page 2)

### 2004 RHIC & AGS Annual Users' Meeting 5/10-14

The Relativistic Heavy Ion Collider (RHIC) & Alternating Gradient Synchrotron (AGS) Annual Users' Meeting will include four days of topical workshops around a one-day plenary session, to be held on Wednesday, May 12. The plenary program will include: latest results from RHIC, AGS, and NASA Space Radiation Laboratory; reports from Washington, elections, awards, open forum meeting; thesis awards; poster session with prize for best student post-doc poster; and banquet. Workshops will be held on Monday and Tuesday, May 10 & 11, and Thursday and Friday, May 13 & 14. For more information with a complete list of workshops, go to [https://www.bnl.gov/rhic\\_ag/users\\_meeting/](https://www.bnl.gov/rhic_ag/users_meeting/).

## Re-engineering of Central Shops Leads to Central Fabrication Services Division

**T**he former Central Shops Division has changed its name to Central Fabrication Services (CFS) Division. But there's more to it than a name change. CFS, headed by Tom Lambertson, has refocused its efforts: In addition to safety and quality, customer service is now a driving force of the division.

Says Lambertson, "The staff of CFS has the talent and unique abilities required to meet the specialized needs of the Lab's scientific departments and divisions. And we now have in place additional advantages set up to meet customers' needs."

One of the best of the new advantages was made possible when CFS, with the support of Lab management, invested in equipment that adds new capabilities and improves job turnaround time. Recent additions include:

- a traveling wire electrical discharge machine (EDM), the largest of its type on the U.S. east coast. This EDM doubles the capacity of the existing machine — it will cut shapes in material up to 20 inches thick,

has greater tapering capability, is faster, and gives better finishes

- a water/abrasive jet cutting system that will pierce through and accurately cut any shape in any material except tempered glass, eliminating the need for machining
- A horizontal machining center that can machine multiple sides of one or more workpieces in a single set-up.

Also, the CSF Division operates an evening shift to maximize machine availability. Since production does not stop at the end of the normal BNL work day, emergency jobs can often be completed overnight. "This service is especially valuable to the Lab's accelerators that operate 24/7," said Lambertson, who has been at BNL for 25 years, and Manager of Central Shops for the past year.

Lambertson explained that many of the ideas for CFS came from a focus group set up within Central Shops. "The group spent several months in identifying what our customers need, and insuring that we can fulfill those requirements," he said.

One outcome of the group's suggestions has been the designation of Dennis Malloy as a customer-service representative. "We believe that this new

position will improve communications and help customers get what they want," said Lambertson.

To give further assistance to the division in perceiving and meeting customer needs, an advisory group consisting of senior mechanical engineers from the Collider-Accelerator (C-A) Department, the National Synchrotron Light Source Department, the Physics Department, and the Superconducting Magnet Division meets frequently with Lambertson.

One vital need is safety, a basic value for the CFS. As Central Shops, the division has a long-standing focus on working safely, and recently, its Environmental Safety & Health Committee held its 100th consecutive monthly meeting. The division has been chosen as one of the four BNL organizations to pilot registration in the Occupational Health & Safety Assessment Series 18001.

The division has also worked hard to stabilize costs for customers. In addition to investing in efficient shop machinery, space needs have been consolidated so that all CFS staff are located in Building 479.

Andrew McNerney, Interim Assistant Laboratory Director for



Tool and Instrument Maker Chris Manning tests out the new Mitsubishi FA-30 traveling wire electrical-discharge machine, the largest of its type on the U.S. east coast.

Facility & Operations, said, "The CFS Division is an essential resource for the Lab. Members of the staff are dedicated and talented, and under Tom's leadership, they are striving to align with BNL's scientific vision."

Experienced customers have come to expect nothing less than excellence from the division. Says Viorel Badea, C-A, one of the CFS advisory committee members, "This group has rendered commendable services to C-A,

namely to my group, the Booster/AGS Ring PS Systems and Magnet Protection. This year, they are about to deliver a quite large job for RHIC Link Box Connectors. Last year, I received quite remarkable support during the summer shutdown for our Main Power

(continued on page 2)

Tool and Instrument Maker Chris Cleary is machining helical cooling grooves for the AGS Snake Magnet Program on the Awea 4 axis bridge mill.

Master Welder Walter Ducoing (below) aligns the cutting head on the abrasive water jet machine for a final cut on 1-inch aluminum

Tom Lambertson (second from right) and Central Fabrication Services Division members



## 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 —

#### 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](http://www.bnl.gov/esol/schedule.html) 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/](http://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. Christine Carter, Ext. 2873.

#### Monday & Friday: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistrations is required. Christine Carter, Ext. 5090.

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

Noon-12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or [rusek@bnl.gov](mailto: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: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

#### 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](http://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. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

#### Tues. & Thurs: Upton Nursery School

9-11:30 a.m. in the Rec. Hall. For 3 & 4 year olds. Alison Tilp, Ext. 4465, or [tilp@bnl.gov](mailto:tilp@bnl.gov).

#### Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Cindy Otteman, 821-4482.

#### 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: Dance Lessons

6-8 p.m., North Ballroom, Brookhaven Ctr. John Millener, Ext. 3853.

#### Thursdays: Reiki Healing Class

Noon-1 p.m., Bldg. 211. Nicole Bernholz, Ext. 2027.

#### Thursdays: FreshDirect Delivery

3:30-5:30 p.m., Berkner Hall parking lot.

#### Fridays: Pilates Class

7-8 a.m. in the gym. Christine Carter, Ext. 5090.

#### 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](mailto:rudy@bnl.gov).

### — NEXT WEEK —

#### Tuesday, 5/4

#### American Legion Poppy Donations

11:30 a.m.-1 p.m. Berkner Hall lobby. American Legion Auxiliary of neighboring Leisure Knoll will have a "Poppy Day" table in Berkner Hall lobby to accept donations. Poppies that grew wild on World War I battlefields now symbolize sacrifices made by Americans in the armed forces. Poppy contributions are devoted entirely to rehabilitation and assistance of veterans and their families.

#### Caring Friends Meet

Noon, Berkner Hall, Room D. All are welcome to join an informal support group serving as a resource for individuals experiencing grief following the loss of a loved one. Call Pat Hein, Ext. 3962, or Gerry Van DerLaske, Ext. 3476.

#### Keyspan Energy Demo

Noon-1:30 p.m., Berkner Hall. Representatives from Keyspan Energy will present BNLers with special offers and incentives on a wide variety of consumer products, appliances, electronics, heating and cooling equipment, and service plans. For more information, contact Christine Carter, Ext. 5090.

## In Memoriam Joseph Giuffre, Plant Engineering

Joseph Giuffre, who had joined the Plant Engineering (PE) Division as a project engineer 1 on August 16, 1993, died at age 57 on April 10, 2004.

In a message to the Division, PE Manager Edward Murphy noted, "It is with deepest sadness that I must inform you that our good friend and co-worker Joe Giuffre passed away on Saturday. Joe was a very special person to me. He loved life, his family, people and fishing. He was a fine electrical engineer and a terrific project manager. 'Team building' and organizing great fishing trips were among his specialties. I'll miss him a lot."

Since his arrival at BNL, Giuffre has worked as a project coordinator, project engineer, and an electrical construction inspector. He has managed and/or supervised personnel and projects from conceptual design to final stages of construction and client acceptance.

Among his recent responsibilities have been a \$5.7 million

project to upgrade BNL's 13.8 kV electrical system; a \$7.4 million project to upgrade the electrical substations on site; another major project to upgrade the Relativistic Heavy Ion Collider's (RHIC) main magnet power supplies, and coordinating the effort to construct a third-party-financed housing complex on site. Giuffre's activities also included construction management for groundwater treatment projects, as well as power and lighting modifications for the RHIC tunnel and elsewhere.

Another of Giuffre's activities well remembered by his co-workers were the deep-sea fishing trips he organized each summer, which became a tradition greatly enjoyed by all who participated.

A resident of Ridge, Joseph Giuffre is survived by his wife Marie, daughters Lisa Giuffre and Nancy Hollimon, granddaughter Madelyn, and sisters Sarah Portera and Natalie Wisniewski. — Liz Seubert

### Attention: Dual Coverage Participants With CIGNA Medical Coverage

As a result of system changes at CIGNA Healthcare, there is a new process for submitting medical bills for payment. Effective immediately, you will be required to submit bills under your policy and your spouse's policy separately. Bills will no longer automatically be processed under the second participant's policy. Bills must first be submitted to CIGNA under the primary policy. Upon receipt of the Explanation of Benefits (EOB) from CIGNA, submit the claim and a copy of the EOB under the secondary policy. Claims for participants with Medicare coverage may require additional filings.

Detailed information regarding the submission of bills will be mailed to you in the near future. For more information, contact the Benefits Office, Ext. 2877 or 5126, or 1-800-353-5321.

### Central Fabrication Services Division (cont'd.)



Supply (Siemens Machine). Last year as well, they came through on helping me with the SCR Ballast Resistor Job, which worked very well."

Another satisfied customer, Charles Pearson, says, "The versatility and expertise of the shops team is displayed throughout the C-A experimental facility. The 405-ton rolling shielding door at PHENIX, the three spectrometer arms at BRAHMS, the Roman Pots and detector systems for pp2pp, the calorimeter stands at PHOBOS, and the instrument table and experimental test equipment in the NSRL target room are just a few examples of the diverse capabilities of the shops. Their capabilities

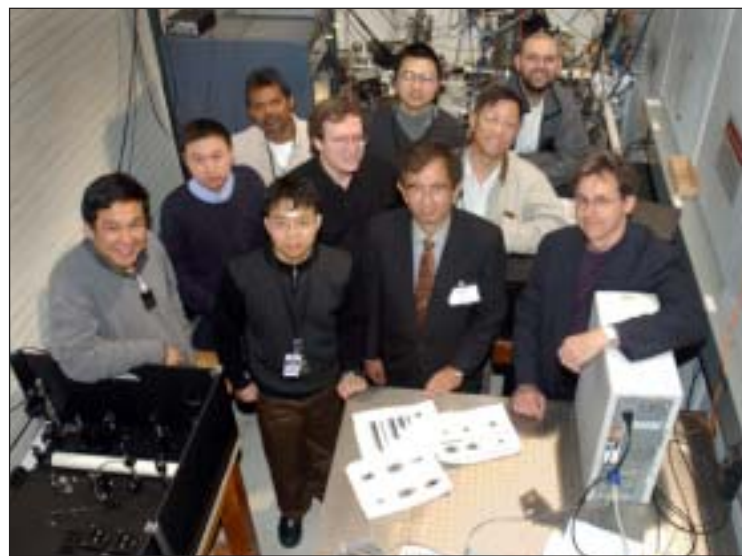
also include the support staff which I have found to be a valuable resource during the design process for their knowledge, expertise, and creativity."

"At this time, we believe we have developed the division's strengths and made necessary changes, which is a process that will be ongoing," sums up Lambertson. "Now, as Central Fabrication Services, with every person in the division solidly committed to providing skilled work with safety, efficiency, and convenience, our goal is to tailor jobs to people's needs from concept to completion."

For more information, contact Tom Lambertson at Ext. 3352 or [twlamber@bnl.gov](mailto:twlamber@bnl.gov).

— Liz Seubert

### DUV-FEL Facility Captures Molecules (cont'd.)



On March 11, Yuan Lee (front, third from left), winner of the 1986 Nobel Prize in Chemistry and President of the Academia Sinica in Taiwan, visited BNL with Arthur Suits (front, right) of BNL Chemistry Department and Stony Brook University (SBU) and Wen Li of SBU (front, second from left) to meet with the BNL DUV-FEL team and discuss the upcoming experiment (see story, page 1 and below). DUV-FEL team members in the photo are: (from left) Xijie Wang, Yuzhen Shen, Pooran Singh, Brian Sheehy, Zilu Wu, Li-Hua Yu, and Henrik Loos, all of the National Synchrotron Light Source Department.

that records each ion's impact location. The resulting pattern gives the scientists information about the speed and trajectory of the ions. By working backward, they learn about the entire methyl fluoride molecule and its interaction with the light. Much of this work was performed by Wen Li, a Stony Brook University graduate student.

"Methyl fluoride was a good test case to use in the first FEL

experiment, but we hope to study other dissociation processes," said Suits. "We have yet to take full advantage of the DUV-FEL's many unique features and capabilities, such as its very steady, very short light pulses, which will help us learn more about how electrons move in molecules as chemical bonds are changed and broken." — Laura Mgrdichian  
For more information, go to [www.bnl.gov/bnlweb/news/index.html](http://www.bnl.gov/bnlweb/news/index.html).

### Understanding the DUV-FEL

The Deep Ultraviolet Free Electron Laser (DUV-FEL) is located at the National Synchrotron Light Source (NSLS). To produce ultraviolet light, the electrons are first accelerated in a straight line down a linear accelerator (linac). They then pass through a "wiggler," a device that uses a series of permanent magnets to force them to "wiggle" in a wavy path. This wiggling motion causes the electrons to emit light.

But the electrons need help in order to produce light with the qualities DUV-FEL scientists need for research — a steady wavelength and frequency, and very short pulses. Thus, as they traverse the wiggler, the electrons are simultaneously coupled with light from a "seed laser." The seed laser light boosts the electrons by regulating their motion so that they emit more concentrated, laser-like light. Next, the electrons enter a "bunch compressor" device that groups them into tiny clusters. Finally, the electron bunches enter a second, longer wiggler, where they emit light pulses that can be used for experiments.

— L.M.

### Wanted: Good Listeners to Help Make a Difference BNL Advocacy Council Members Needed

Four candidates who represent the Lab's diverse workforce are needed to become members of the Brookhaven Advocacy Council (BAC).

If you are a good listener who can maintain confidentiality, remain impartial, base your judgment on fact rather than emotion, are interested in establishing an atmosphere of trust between BNL management and its employees, and are willing to devote time and energy to ensure that everyone enjoys equally the quality of life that BNL has to offer, consider becoming a member of the BAC.

BAC is a key component of BNL's system of justice. The members advise and make recommendations to the Laboratory Director on resolving employee/guest/user concerns or issues that are brought to BAC's attention. BAC is charged with the authority to receive and respond to employee/guest/user concerns or issues; analyze and research data; and propose resolutions. Members have access to all pertinent, uncensored information, within BNL's guidelines regarding confidentiality, to assist them in resolving these concerns or issues. Membership responsibility consists of regular participation in the monthly Council meetings for three years. BAC functions independently of the Human Resources & Occupational Medicine Division, reporting directly to the Laboratory Director.

If you are interested in being a candidate, by Monday, May 10, contact Susan Foster, Employee Relations Manager, with the following information: your name, extension, e-mail address, Department/Division, and position. Foster will pass your name to the Nominating Committee, composed of: Foster, Michael Goldman, Shirley Kendall, Pamela Mansfield, and Jeffrey Rothman. The committee will recommend candidates to the Laboratory Director, who makes the final decision and appoints the members.

To be considered for the BAC, be sure to contact Foster at [foster@bnl.gov](mailto:foster@bnl.gov) or Ext. 2888 by May 10.

# Doug Gordon Releases First Music Album

**First Artist to Represent New Music Label 'Cooch Records'**

Doug Gordon, a senior technical specialist in BNL's Collider-Accelerator (CA) Department, recently released his first solo musical album titled "Doug Gordon." This CD, an 11-song compilation of acoustic music with an electric edge — features Gordon's own vocals and guitar-playing talent.

Says Gordon, "It brings my passion for music to life." The album, which is an audio representation of his personal experiences, also brings his life into his music.

For example, the track entitled, "Oneonta" describes a town in upstate New York where Gordon experienced a "life-changing" event.

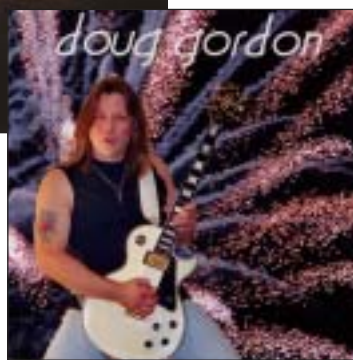
"Recording this album has opened up a new chapter in my life," said Gordon. "I am loving this."

The first musical chapter of Gordon's life started when he started playing guitar at age 14 when he, along with some friends, played parties and talent shows throughout high school. Later, he played the Long Island club scene and New York City and toured the east coast with a number of different local rock bands.

While Gordon describes playing guitar with these groups as rewarding, he was ready to



Roger Stoulenburgh 04060204



implement bigger plans. "I had songs that I had to get out of my head and onto a recording, so I decided to go 'full-steam-ahead' with the album." And, according to Gordon, "I feel very satisfied in doing so."

Gordon believes that his first album was a success, in part, as a result of the work of Rich Belkin, a C-A colleague, who produced and engineered the CD and also designed the artwork for the CD's insert. Gor-

don recorded the CD at Breeze Bayou Studio in Bay Shore, NY.

Since then, Gordon has signed a contract with Cooch Music Management and J. Cooch Music Publishing, which is opening up its own independent label "Cooch Records." Gordon will be the first artist representing

this new label. Meanwhile, Cooch continues to shop Gordon's CD to major music labels.

"Originally, I just wanted to get the recording out of my system so I wouldn't have any regrets," explained Gordon. "I didn't expect people to take and interest in the music or want to take it to the next level."

Well, "take it to the next level" they did. One of the album's songs, "Angel of my Life," was recently included on a promotional CD for *Car & Audio Magazine* in Japan with a distribution of more than 30,000 copies.

Gordon is now looking for musicians to form a band to support and promote his new album by performing the songs live for music executives. Anyone interested should contact Gordon at 678-3299 or doug66@optonline.net.

For more information about Gordon's music, to hear audio samples, and to purchase the CD, visit [www.douggordon.org](http://www.douggordon.org). — John Galvin

## Retirement Counseling: TIAA-CREF, 5/14, 5/24

A TIAA-CREF representative will visit BNL on Friday, May 14, and Monday, May 24, 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. For a 45-minute appointment, call Valerie James, (800) 842-2733, Ext. 7980.

## BREA Get-Together Luncheon, 5/27

The Brookhaven Retired Employees Association (BREA) committee is working hard and looking forward to seeing as many BNL retirees as possible at the grand BREA get-together luncheon from noon to 4 p.m. on Thursday, May 27, at Villa Lombardi's, 877 Main Street, Holbrook (see <http://www.villalombardis.com>). All are invited to join in and reminisce with friends, catch up with acquaintances, and enjoy a spectacular buffet feast with live entertainment to dance or listen to. The cost of this BREA-subsidized treat is \$30.00 per person — in advance.

To register, visit the BREA web page at [www.brea.bnl.gov](http://www.brea.bnl.gov) or complete and return the form below. All paid reservations must be received by May 14.



Roger Stoulenburgh 04060204

At BNL for a meeting are BREA Committee and Board members: (from left) Lew Jacobson, Graham Campbell, Luncheon Chair Renée Flack, Barney McAlary, BREA President Joyce Tichler, George Rabinowitz, Elliott Auerbach, Sonja Santos, Flo O'Brien, and Jules Godel.

**BREA Get-together Luncheon Reservation Form 2004**

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Spouse/Guest Names: \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_ Please check one: member  non-member

Make checks payable to: BREA  
 Mail to: BREA, Bldg. 475C, P.O. Box 5006, Upton, NY 11973-5009  
 For questions or special needs — call: 631-344-3316 — email: [flack@bnl.gov](mailto:flack@bnl.gov)

## Skin Cancer Screening, 5/27

A board-certified dermatologist will screen eligible employees for skin cancer on Thursday, May 27, 9 a.m.-12 noon in the Occupational Medicine Clinic, Bldg. 490.

To obtain one of the 40 available appointments, e-mail Linda DiPierro at [dipierro@bnl.gov](mailto:dipierro@bnl.gov) with your name, phone extension and building number. If, as previously, an overwhelming response is received, preference will be given to employees from last year's waiting list.

## Fidelity Investment Counseling, 5/11

A Fidelity Investment representative will be at the Lab on Tuesday, May 11, 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.

## Pick a High School Student

BNL scientists are asked to sponsor Community Summer Science Program students. This program runs for six weeks, from June 28 through August 6, to offer talented local high school juniors and seniors lectures on BNL research in the mornings and internships in the afternoons. Student interns participate in research under the direction of BNL staff at no cost to the sponsoring department. Student applications are now available for review at the Science Education Center, Bldg. 438. If you have questions, contact Mel Morris, [mmorris@bnl.gov](mailto:mmorris@bnl.gov) or Ext. 5963.

## BNL Career Network Group Meets, 5/7

To provide education and support to BNLees in career management, a group has been formed called the "BNL Career Network." Together, group members learn about career management and support each other as they work to create careers that are consistent with their goals in life.

All are invited to attend the next meeting, which will be held on Friday, May 7, from noon to 1 p.m. in Berkner Hall, Room A. Meetings are generally held monthly, after an e-mail announcement to members sent about two weeks in advance.

For more information, or to be added to the mailing list, contact Cathy Wehrmann at [wehrmann@bnl.gov](mailto:wehrmann@bnl.gov) or Ext. 7823. Also, visit [www.bnl.gov/HR/staffdev/career\\_dev.htm](http://www.bnl.gov/HR/staffdev/career_dev.htm) to see handouts and presentations from past meetings.

## New BNL Film Series Kicks Off 5/6

The BNL Music Club announces the "BNL Film Series," showing classic and avant-garde films monthly at 7:30 p.m. in Berkner Hall. The shows will be open to the public. The first film, on Thursday, May 6, will be *The Howlin' Wolf Story — The Secret History of Rock & Roll*, a critically acclaimed documentary on the life of blues innovator, Howlin' Wolf (Chester Arthur Burnett). Also featured will be live interviews with Hubert Sumlin, Howlin' Wolf's 20-year collaborator; and Joe Lauro, film producer and archivist, and a musician in his own right, who will provide the film. Tickets will be \$5 and available at the door. For more information, call Ext. 3846.

## Calendar

(continued)

### Wednesday, 5/5

#### Verizon Demo

10 a.m.-2 p.m., Berkner Hall. Representatives from Verizon will present BNLees with information and discounts on Verizon's products, rates, and services. Denise, (516) 458-7100.

#### Cinco De Mayo Celebration

Noon, Berkner Hall. The BERA Hispanic Heritage Club and FLIK celebrate the Mexican Cinco De Mayo (Fifth of May) holiday. FLIK will offer a menu of Hispanic cuisine and a video featuring Mariachi music will be on view in the lobby.

### Thursday, 5/6

#### \*Classic Film Series

7:30 p.m. Berkner Hall. BNL Music Club sponsors *The Howlin' Wolf Story — The Secret History of Rock & Roll*. \$5. All are welcome. See notice below, left.

#### BERA Bridge Club

7 p.m., Brookhaven Center. Morris Strongson, Ext. 4192, [mms@bnl.gov](mailto:mms@bnl.gov).

### Friday, 5/7

#### \*BNL Career Network Group Meets

Noon, Berkner Hall, Room A. See notice below, left.

## — WEEK OF 5/10 —

### Mon.-Fri. 5/10-14

#### \*RHIC AGS Annual Users' Meeting.

See page 1.

## — WEEK OF 5/17 —

### Wednesday, 5/19

#### Brookhaven Lecture

4 p.m., Berkner Hall. Paul Moskowitz, Nonproliferation & National Security Department, on "Protecting Our National Security: BNL's Contributions." All are welcome.

### Thursday, 5/20

#### BERA Bridge Club

7 p.m., Brookhaven Center. Morris Strongson, Ext. 4192, [mms@bnl.gov](mailto:mms@bnl.gov).

### Saturday, 5/22

#### 'Blues Legends' Concert

8 p.m., Berkner Hall. Two blues legends, David "Honeyboy" Edwards and Hubert Sumlin, and more. Buy tickets in advance at the BERA Sales Office for \$20; \$25 at the door. For more information, see story on page 4.

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

## Gym & Pool News

As usual, the gym and swimming pool will be closed on the holiday weekends: May 29-31; July 3-6, and September 4-6.

The gym will be closed on Saturdays from the Memorial Day weekend, May 29, through the Labor Day weekend, and it will reopen on weekends on September 11.

Apart from the holiday weekends noted above, the swimming pool will be open on Saturdays throughout the summer, from noon until 4 p.m.

## Learn the Tinikling, Thursdays at Noon

The BERA Asian Pacific American Association has Tinikling dance practices every Thursday at noon in the Recreation Hall. Come, learn this Philippines' bamboo pole dance. Dancers are needed, as are people to clap the bamboo poles for the dancers. For more information, contact Marie Van Buren, Ext. 4727.

## 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](http://www.bnl.gov/HR/jobs/default.htm).

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

**MK4141. POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in experimental nuclear or elementary particle physics and experience with both detector hardware and the use of modern computing tools for detector simulation and data analysis. Position is with the PHENIX Group, a large, multipurpose detector performing forefront research in the study of relativistic heavy ion and polarized proton collisions at the highest available energies. The successful candidate will participate in 1) the collection and analysis of data and 2) working on detector operation, maintenance and upgrades, devoting approximately 50% effort to each. Under the direction of M. Tannenbaum, Physics Department.

**NS3177. SR. APPLICATIONS ENGINEER (I-8, term appointment)** – Requires a Ph.D. in high energy or nuclear physics and a strong background in computing. Three years of related experience and expertise in C++ is required; familiarity with grid computing, web services, Python, Java, and mass storage systems desirable. Database experience is strongly preferred, experience in the collaborative development of core off-line software in large experiments is desirable. Will participate in the development of the core off-line software of the ATLAS experiment at the LHC, with a particular focus on the data storage, data management and database challenges presented by the petabyte-scale data volumes of ATLAS. The Physics Applications Software Group responsible for the development of the physics data management system and the distributed data analysis system of ATLAS. This position will be based at Brookhaven or CERN, depending on preference and responsibilities. Physics Department.

**NS2739. PRINCIPAL MEDIA & COMMUNICATIONS SPECIALIST (A-8, ERAP Eligible - \$1k)** – Requires a minimum of a bachelor's degree in journalism, related sciences, or equivalent and progressively responsible related work experience (approximately 10+ years) in science writing and/or media relations. Responsible for broad duties relating to advanced science writing and media and communications activities including but not limited to translation/communication of complex scientific news and discoveries, as well as communications project management. As a seasoned science writer and public information officer, must expertly communicate BNL research for the purposes of press releases and production of collateral materials such as fact sheets, brochures, magazines, scripts, speeches, television and radio spots,

and web pages. Responsible for media relations with national press, science news organizations, local/regional media outlets and/or internal and external communications. Interfaces with diverse points of contact such as DOE, community stakeholders at public events, BNL senior management, and scientists. Arranges high profile media and community events. Acts as chief conduit between scientists and the public. Responds to outside news agencies and proactively engages media in topics crucial to success of BNL, such as environmental issues. In carrying out communications project management, identifies or responds to Lab-wide and/or customer-specific needs and requirements for organizational communications products, and/or educational, outreach and/or involvement services for internal stakeholders. In the absence of the manager, may serve as acting manager of Media and Communications Office. Community, Education, Government and Public Affairs Directorate.

**NS4158. ASSISTANT STAFF SPECIALIST (A-4, reposting)** – Requires a bachelor's degree in a business discipline, one year of directly related budget experience or two years' related administrative experience. Experience with Microsoft Office applications and excellent communication skills are necessary. Experience with the BNL Labor Cost Distribution System and the Laboratory budget system is desirable. Reporting to the Chemistry Department's Business Operations Manager, under general supervision, responsible for Labor Cost Distribution activities, development and maintenance of personnel forecast system and administration of all department grant and capital projects. Chemistry Department.

### Motor Vehicle & Supplies

02 FORD F150 SUPERCREW - a/t, a/c, p/s, p/b, p/w, 5-yr. warr., Rhinolining, 6-cd, sliding rear wind., 28K mi., \$24,000. 447-6517.

02 KAWASAKI VOYAGER XII - 1,200cc, factory tourer, bought new 1/03, am/fm/cass/radio, mint, 7K mi., \$8,995. Frank, Ext. 2022.

01 YAMAHA ROADSTAR SILVERADO - 1,600cc windshield, saddle bags, red/br., excel cond., 5K mi., \$8,000. Peter, 645-5844.

00 HONDA ACCORD EX - a/t, a/c, p/s, p/b, p/w, sunroof, garaged., orig. owner, excel., cond., 55K mi., \$11,700. Arlene, 878-6007.

99 VOLKSWAGON BUG - blk., 5spd, a/c, p/w, 29K mi., \$9,000. Masashi, Ext. 5984, kaneta@bnl.gov.

97 HONDA CR-80 EXPERT - rebt. eng. top & bottom, 1 hr., 2 str., new plastic & rear tire, excel., \$1,500. Bob, Ext. 2028, 744-4879.

97 MITSUBISHI MIRAGE - a/t, a/c, 4cyl., white, 40 mi/gal./hwy, 94K mi., \$2,600. Pat, 821-0253.

95 SATURN SLI - a/c, 5spd, pwr. sunroof, dk. blue, all serv. records, runs well, 158K mi., \$1,200. David, 258-6087.

94 CHEVY CAMARO - a/t, a/c, p/s, p/b, p/w, blk, excel. cond., pwr. seats, abs, s/roof, 125K mi., \$3,500. Rachid, Ext. 4342, 821-6389.

94 HARLEY - 883 Sportster, many extras, \$6,000. John, Ext. 2021 or 758-4770.

93 FORD ESCORT WAGON - 5spd, white, runs well, ask \$900. Jerry, 874-8259.

92 FORD TAURUS - wagon, a/t, a/c, p/s, p/b, p/w, no rust, new rad., eng./ tranny mts., 108K mi., \$1,400. Khamit, Ext. 8137, 877-0895.

92 FORD TAURUS STATION WAGON - a/t, a/c, p/s, p/b, p/w, runs well, gd. shape, 120K mi., \$1,200. David, Ext. 4560.

91 BUICK LESABRE - a/t, a/c, p/s, p/b, p/w, excel. running cond., gd. a/c & heater, new batt., 93K mi., \$2,000. Katherine, 981-5993.

91 CHEVROLET S-10 PICKUP - 5spd, p/s, p/b, 4.3L, V6, 4x4, 100K mi., \$595. Sean, 331-2942, after 6 p.m.

90 KAWASAKI KDX-200 - 200cc, FMF Silencer, new parts, clean, needs eng. work, \$700. Bob, Ext. 2028, 744-4879.

90 TOYOTA CAMRY - a/t, a/c, p/s, p/b, p/w, overall gd. cond., runs well, \$1,800. James, Ext. 2014.

87 OLDS CUTLASS CIERA - a/t, a/c, p/s, p/b, p/w, 3.8L, 2 new tires, batt., exh. sys., 97K mi., \$999.99. Bob, Ext. 2028, 744-4879.

71 MOTORCYCLE - Kawasaki 500cc, missing gas tank, gd. for parts restoration, best offer. Steven, Ext. 2964.

CAP - grey, for '01 Dodge Dakota Quad cab truck, 64" w x 67", \$400. J. Thiede, 289-0967.

SEATS - racing Summit Polymer hi-back w/blk. padded covers & RCI 5-pt. harnesses, brand new, in box, \$150/pr. Rich, Ext. 7294.

TOOL BOX - Weather Guard steel cross-bed w/2 wing type locking drs. for stepside or mini pick-up, ask \$100. 878-8302.

UTILITY TRAILER - 4x6 bed rack body, \$150. Richard, 924-6751.

UTILITY TRAILER 5 1/2' x 10', ramp dr., new tires, 4'h plywood walls, light duty trailer, \$375. John, 732-7568.

### Boats & Marine Supplies

23' PROLINE 231 - '95 w/trailer, Mercury 200hp, low hrs., call for details, \$23,000. Dom, Ext. 2550.

23' PEARSON 23 - '79, well maint. & equip., sleeps 4, \$4,700. John, Ext. 2788.

23' WINNER - w/cuddy, 175 hp ob, '02 trailer, pwr. winch, canvas top, vhf, ff, \$7,800. John, 289-1028.

20' RAVEN BOW-RIDER - '90 deep vee w/ trailer, solid seaworthy boat, outr. rebt., new prop, batt., \$3,500. Peter, Ext. 7657, 298-9560.

20' BARETTA - '89, w/trailer, '94 3.0 Mercruiser 135 hp, bow rider canvas top & cover, ff, excel. Mark, Ext. 3837, 281-5060.

13' BOSTON WHALER - '72 Bluehull, short shaft, cust. seats, Teleflex steer., 40 hp Merc., 4ch/2carb. w/trailer, \$6,500/neg. Sue, Ext. 4931.

OUTBOARD BRACKET - alum., 23' setback, ask \$100; hydraul. steering cyl., hydraulic side mount, w/instruc., ask \$50. 878-8302.

### Furnishings & Supplies

BREAD MACHINE - West Bend, up to 2 lb. loaf, like new, \$30. Steve, Ext. 5437

END TABLES - 2, lg oak finish w/glass tops & bottom shelf, \$50/both. Debbie, Ext. 2882.

COUCH - 84"L, cream, excel. cond., \$175; 2 twin-sized used boxsprings, gd. cond., \$75/ea. Gary, 476-0627.

MATTRESS - 2 twin box springs, 1 king matr. & frame \$150; Inotek invisible dog fence, collar & instruc. video, \$50. Patricia, 744-8512.

MATTRESS - Seaman's, queen w/box spring, Care-o-Pedic, used 6 wks., \$250/obo. Dorothy, 225-0642.

REFRIGERATOR - GE Profile, 23.7 cu. ft., frost free, excel cond., 8 yrs. old, \$150. Celeste, 878-4356.

REFRIGERATOR - mini, Sanyo SR-361w, 3.6 cu. ft., 19"x18.5"x32.5". \$80. Marita, Ext. 3060.

**Tools, House & Garden**  
RIDING LAWN TRACTOR MOWER - Sears 11 hp, 36" cut, elec. start w/owner's manual, ask \$250. 878-8302.

**Sports, Hobbies & Pets**  
AQUARIUM - 20 gal., glass w/lid, brand new, perfect for small animals, reptiles or fish, \$20/neg. Sue, Ext. 4931.

BOARD GAMES - Connect 4, Boggle Jr., magnet blocks, Uncle Wiggly, Clue, Girl Talk, Jamanji, True You, boxed. Eugene, Ext. 7113.

SPEAKER CABINET - Old Sound City, for guitar amplifier, has two 10" Mesaboggie spkrs. & wheels, \$40. John, Ext. 8611.

**Audio Video & Computers**  
Dell Dimension 4100 ME - Pent. 3, 800 MHz, 128 MB, 133 MHz, 10.2 GB, 19" mon., 3.5 floppy, spkrs., keybd, mse, \$300. 758-5961.

AUDIO POWER AMPLIF. - Crown Power Base-1, 230 Watts/chnl., ask \$300; 19" Dell 1226H Mon, excel., \$90/neg. Steve, Ext. 2897.

TV - 52" Zenith, rear projection, solid wood cabinet, surround sound, excel. cond. \$500. Ben, Ext. 7732, 698-0057.

## 'Blues Legends' Concert, 5/22

With David 'Honeyboy' Edwards, Hubert Sumlin  
Doug "Harmonica" McLean Blues Band, Kerry Kearney



A concert featuring two blues legends — David "Honeyboy" Edwards and Hubert Sumlin — will be held at Berkner Hall on Saturday, May 22, at 8 p.m. Long Island blues artists Doug "Harmonica" McLean and Kerry Kearney will perform with these two giants of the blues. Sponsored by the BNL Music Club and the Long Island Blues Society, the concert will be open to the public. All visitors to BNL age 16 and over must bring a photo ID.

Performing for 75 years, David "Honeyboy" Edwards, at age 89, is one of the few living original practitioners of the acoustic Delta blues-style guitar. Born in Shaw, Mississippi, Edwards taught himself to play guitar, and, by age 14, he was playing Delta blues clubs with Big Joe Williams. He also performed with Charlie Patton, Big Walter Horton, Robert Johnson, and other well-known blues artists. Edwards has toured Europe and performed at such venues as the Smithsonian's Festival of American Folklife, the Chicago Blues Festival, and the San Francisco Blues Festival.

Born in Greenwood, Mississippi, in 1931, Hubert Sumlin also learned to play guitar on his own. He left home at 17 to perform in clubs with his childhood friend James Cotton. In 1954, he joined the famous blues band, "Howlin' Wolf," and he remained the band's guitarist for 25 years. Sumlin's style, sometimes called "warped" or "wicked," has influenced electric blues and rock guitarists. The late Stevie Ray Vaughan, famous blues guitarist, said, "Hubert is the heaviest, most original guitar player I've ever heard."

The Doug "Harmonica" McLean Blues Band will be backing Sumlin on stage. McLean has played the Long Island blues scene since the 1970s when he teamed with another blues innovator, Louisiana Red. A master of all styles of mouth harp, McLean has performed at BNL several times.

Kerry Kearney will be on hand to play with Edwards. Kearney has recently performed in two sold-out performances at BNL. Whether performing at the Lab, at the Riverhead Blues Festival, or at a small club, Kearney is always greeted with great enthusiasm for his unique slide guitar blues.

Tickets for the concert cost \$20 each when purchased in advance, and \$25 at the door. Buy tickets at the BERA Sales Office in Berkner Hall, 9 a.m.-3 p.m.; at the Bluepoint Brewery (631) 475-6944; Mr. Beery's (516) 731-5979; Sound Beach Music (631) 476-3850; or Eastport Luncheonette (631) 325-8887. For more information, call (631) 344-3846.

### Miscellaneous

CAR SEAT - Fisher Pr. 1-step entry, like new, was \$60, ask \$35; child sofa, jungle motif, new \$30; much more. Eugene, Ext. 7113.

### Lost & Found

LOST - engagement ring, gold baguette, high stone diamond, Tiffany style. Carol, 284-3387.

### Wanted

AMP - needed for Super-8 sound movie projector, reasonable, Ron, Ext. 4553.

DONATIONS OR WALKERS - to support Habitat for Humanity House Walk, 5/8. Reg. at noon, walk at 1 p.m. Blydenburgh Park, Smithtown. Debbie, Ext. 8276, 776-0188.

RENTAL - 2-3 bdrm. cottage in Rocky Point. Terry, Ext. 5226 or 730-6591.

RESEARCH VOLUNTEERS - men and women who smoke cigarettes, ages 18 and over, are needed for PET study. Strictly confidential, fee provided. 344-5015.

SHOTGUN - model 870 in 410Ga., Joe, Ext. 3783 or 929-8321.

TREADMILL - elec., in gd. cond., or exercise bike. Bruce, Ext. 5229.

### For Rent

COMMACK - 1-bdrm. bsmt. apt., sep. ent., single, no smkg/pets, \$850/incl. a/c, cable & elec., south of Jericho Tnpk. off Lakefield Rd. Mark, 499-5189.

MEDFORD - 1 bdrm, full bath, lr, eik, no smkg., prv. ent., \$800/incl. util., Betty, Ext. 3562 or 758-2653.

MIDDLE ISLAND - lg, 1-bdrm condo, patio, dining area, w/d, pool, rec. rm, furn. or unfurn., non smkr., avail. 6/1, \$900 + util. & sec. Nick, Ext. 4979 or Anna, 878-6760.

MORICHES - share house in priv. beach comm., sunny, newly painted, a/c in bdrm., deck w/pool, gazebo & garden, laundry rm. incl., \$750/mo. Melinda, 874-3243.

PATCHOGUE - 3 br, 2 bath, dr, lr, f/p, cac, gar., deck, finished bsmt., & many extras, no pets, \$2,000/mo., + utilities. 475-2068.

SMITHTOWN - 3-bdrm. expanded cape, 2 bath, lg rms., deck & property, Smithtown Pines SD, 25 min. to BNL, \$2,200/mo. + elec., Philip, 864-9092.

ST. CROIX, VI - 1 br, sleeps 4, view of pool & ocean, new upper unit, fitness ctr., water sports, casino on property, Divi Carina Bay, wk. 19, 5/8-15, \$650. Bill, 732-9102.

### For Sale

HAMPTON BAYS - 3-bdrm house, 2 bath, den, bsmt. apt. w/sep. kit., lg. encl. sunroom, water views of Shinnecock Bay, \$1,250,000. Carrie, 878-6968.

### In Appreciation

"Women In Concert" on 4/16 was a rousing success. I wish to thank the BERA Clubs who help support the Music Club in getting the word out, and all who bought tickets, attended, danced in the aisles and gave us such a wonderful response.  
—Yvette Malavet Blum

To all my friends and staff on site, especially Central Shops, for the warm wishes, gifts, and kindness extended to me and my family during this emotional time of the sudden passing of my sister. Diane will always be remembered. Thank you very much.  
— John Wilson

### Community Involvement

OUTDOOR ART SHOW/SALE - 5/3, 10 a.m.-4 p.m. 1720 William Miller House, N. Country Rd. Miller Pl. Hosted by the North Shore Art Guild. Jim, 447-1381.

FUND RAISER TODAY - 4/30, 7-10 p.m., for 5-year-old Krystal Schmitt, who has rare cancer. Longwood Mid. Sch. \$10 admiss., 10 tkts. for auction incl. Donations, incl. checks to "Krystal Schmitt's Fund Raiser," are tax dcdtbl. JoAnn Palumbo, 878-8263.

Do you submit classified ads to the Bulletin? If so, then be sure to read the revised Classified Advertisement Policy at [www.bnl.gov/bnlweb/pubaf/classified\\_policy.htm](http://www.bnl.gov/bnlweb/pubaf/classified_policy.htm).

## Elder Care Expo

Presented by the Human Resources & Occupational Medicine Division

Wednesday, June 16 • 11 a.m.-1:30 p.m. • Berkner Hall

### Topics Include:

- Health resources: Alzheimer's, arthritis, diabetes, blood pressure, vision care, long-term care, medical supplies
- Resources for caregivers: home care, respite care, hospice care, nursing home care, visiting nurse, adult day care
- Activities: BERA, BREA, BOCES, parks commissions
- Safety: BNL Fire/Rescue and BNL Police Groups
- Fitness: Curves, Eastern Athletic Club, YMCA
- Volunteer opportunities: foster grandparents, LIBS
- Benefits and services: Social Security, veterans benefits, Suffolk County Office of the Aging, United Adult Ministries, federal talking books, Senior Net
- Nutrition: FLIK, Meals on Wheels

### Future Lectures:

"Benefits for the Elderly & Support for Caregivers"  
June 3 noon-1 p.m.

Elder Law & Estate Planning  
June 10 noon-1 p.m.

"Long-Term Care"  
June 17 noon-1 p.m.

Pre-registration is necessary for the three lectures listed above. Check your mailbox for registration forms.

For more information, contact  
Michael Thorn, Health Promotion Coordinator,  
(631) 344-8612, [mthorn@bnl.gov](mailto:mthorn@bnl.gov)