

## New Success in Engineering Plant Oils

**Technique could yield materials to replace petrochemicals and more nutritious edible oils**

Using genetic manipulation to modify the activity of a plant enzyme, researchers at BNL have converted an unsaturated oil in the seeds of a temperate plant to the more saturated kind usually found in tropical plants. The research was published online by the *Proceedings of the National Academy of Sciences (PNAS)* the week of March 5, 2007. This work was funded by the Office of Basic Energy Sciences within DOE's Office of Science, and by Dow and Dow Agrosciences.

While conversion of an unsaturated oil to an oil with increased saturated fatty acid levels may not sound like a boon to those conscious about consuming unsaturated fats, "the development of new plant seed oils has several potential biotechnological applications," said John Shanklin of the Biology Department, lead author on the paper. Co-authors were Biology's Tam Nguyen, Mark Pidkovich of the University of British Columbia, and Ingo Heilmann and Till Ischebeck of the Georg-August University of Göttingen.

### New Plant Oil Developed

As Shanklin explained, the new tropical-like oil has properties more like margarine than do temperate oils, but without the trans fatty acids commonly found in margarine products. Furthermore, engineered oils could be used to produce feedstocks for industrial processes in place of those currently obtained from petrochemicals. Shanklin also suggests that the genetic manipulation could work in the reverse to allow scientists to engineer more heart-healthy food oils.

"Scientists have known for a long time that the ratio of



John Shanklin (right) and Tam Nguyen, both of the Biology Department, working at the fluorescence microscope

saturated to unsaturated fatty acids plays a key role in plants' ability to adapt to different climates, but to change this ratio specifically in seed oils without changing the climate is an interesting challenge," remarked Shanklin. "Our group sought to gain a better understanding of the enzymes and metabolic pathways that produce these oils to find ways to manipulate the accumulation of fats using genetic techniques."

### Focus on KASII Enzyme

The researchers focused on an enzyme known as KASII that normally elongates fatty acid chains. If they could prevent the chain's lengthening by reducing the levels of KASII, they could decrease the likelihood of desaturation and increase the level of saturated fats in the plant seeds.

The experiments were done using *Arabidopsis*, a plant from temperate climates that contains predominantly 18-carbon unsaturated fatty acids in its seed oil. In contrast, tropical plants, such as palm, contain

higher proportions — approximately 50 percent — of 16-carbon saturated fatty acids.

### Surprising Results

The results were surprising. The genetic manipulations that reduced KASII activity resulted in a seven-fold increase in 16-carbon unsaturated fatty acids — up to an unprecedented 53 percent — in the temperate *Arabidopsis* plant seed oils.

"The results demonstrate that manipulation of a single enzyme's activity is sufficient to convert the seed oil composition of *Arabidopsis* from that of a typical temperate plant to that of a tropical palm-like oil," Shanklin said.

### Potential Applications

"It is fascinating — and potentially very useful — to know that we can change the oil composition so drastically by simple specific changes in seed oil metabolism," continued Shanklin. "Equally interesting is the fact that this process can occur independently from the adaptation to either tropical

## To the Edge of Melting

The Stanford Linear Accelerator Center (SLAC) recently distributed a news article about x-ray research that allows scientists to see the changes of a solid on the verge of melting.

BNL is among the many collaborators in this project, which led to research published in the February 2, 2007, issue of *Science*. Peter Siddons, a physicist in BNL's National Synchrotron Light Source Department, designed and built the specialized x-ray detectors for an x-ray source at SLAC that used pulses of light just quadrillionths of a second long to study the semi-metal bismuth.

As the pulses of light struck the bismuth and excited its atoms, the detectors measured the resulting signal and also served as a sort of "stop watch," providing pulse-by-pulse diagnostics of the x-ray position and intensity. The detectors were an important component to this project as the scientists needed to know exactly when and where the x-rays swooped through to get a full picture of the atomic-scale events in the bismuth.

Although the light source used in this experiment has since been dismantled, it served as a proving ground for the Linac Coherent Light Source (LCLS) now under construction at SLAC, where the lead author of the research paper, David Fritz, who worked on the project as a University of Michigan student, is now an instrument scientist.

Learning how to construct and operate more complex systems based on this technique could lead to advances in medicine, alternative energy, and other fields.

To read the SLAC news report by Heather Rock Woods, go to [www.bnl.gov/bnlweb/pubaf/pr/PR\\_display.asp?prID=07-X5](http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=07-X5).

— Kendra Snyder



Peter Siddons

or temperate climates."

For example, such a technique could lead to the engineering of temperate crop plants to produce saturated oils as renewable feedstocks for industrial processes. Such renewable resources could help reduce dependence on petroleum.

Conversely, methods to increase the activity of KASII, and therefore the production of 18-

carbon desaturated plant oils, may provide a useful strategy to limit the accumulation of saturated fatty acids in edible oils, leading to more healthful nutrition.

— Karen McNulty Walsh

For more detail on this research, see [www.bnl.gov/bnlweb/pubaf/pr/PR\\_display.asp?prID=07-24](http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=07-24). The PNAS paper can be viewed online at: <http://www.pnas.org/cgi/doi/10.1073/pnas.0611141104>.

## Review BNL's 60th Anniversary Revue

Sixty years of BNL history started in the "60th Anniversary Revue" performed on March 21, the date in 1947 on which the Lab was officially founded. For a packed audience in Berkner Hall, the past six decades whirled by in a kaleidoscope of science, music, dance, photos, and reminiscences.

The show opened with narrator Todd Satogata of the Collider-Accelerator Department who had to help "his" three children — in real life, Alice, Claire, and Laura Shanklin, children of the Biology Department's John Shanklin — fulfill a history assignment at school. The narration unfolded a light-hearted retrospective of each decade, with representative backdrops that encompassed everything from pin-up Betty Grable to the Atoms for Peace stamp designed by BNLER George Cox to Sputnik and far beyond. Selected music, dance, and major news events also recalled the passing years. BNLERs who had joined the Lab during each decade described personal memories and various scientific highlights.

The volunteer dancers in

the cast, who included Rudy Alforque, Noel Blackburn, Nelson Cause, Wei Chen, Bruce Grabowski, Donna Grabowski, Beth Lin, Jen Lynch, Joe O'Connor, Jacopo Saccheri, and Alina Sikar-Gang, ushered in each decade with a spirited reminder of why particular music stuck. The 1940s were Boogie Woogie; the 1950s, Elvis and Bill Haley; the 60s, Twist and Shout; the 70s, disco mania; the 80s, Michael Jackson's Moonwalk (check that white glove); the 90s, line dancing and the Makarena. Jennifer Lopez and the Salsa brought in the 2000s' end of the time line.

Memorabilia came to life for each ten years in the stories told by six BNLERs. Keith Jones, Environmental Sciences Department, who holds the oldest active employee number, described BNL in the 40s. Nicholas Samios, Director's Office, first came in the 1950s as a summer student from Columbia University and branched out in his later career at the Lab. Richard Hahn of the Chemistry Department recaptured the scientific flavor of the 60s. Joanna Fowler of the Medical Department remembered the

70s and the chemistry contributions to imaging. Patricia Williams, Safety & Health Division, brought back the 80s; and Peter Bond, Director's Office, recalled the challenges in the 90s. For the 2000s, Lab Director Sam Aronson noted existing highlights and looked forward to partnering DOE in new scientific initiatives.

Extra audience participation was ensured as all applauded

each other as they stood to mark their joining the Lab during each decade.

As Aronson concluded his talk, he asked for and received an ovation for the 60th Anniversary Production Committee who had written, directed, and produced the show: Noel Blackburn, Barbara Blenn, Ray Dumont, Susan Dyroff, Jane Koropsak, and Elaine Lowenstein, all of

the Community, Education, Government & Public Affairs Directorate. Michael Holland, DOE's Brookhaven Site Office Manager, joined Aronson to cut the magnificent anniversary cake on stage, and the occasion concluded with coffee, cake, and a tremendous buzz of conversation among the 500-plus makers of BNL history present.

— Liz Seubert

Todd Satogata recounts six decades of BNL history to (from left) Laura, Alice, and Claire Shanklin during the 60th Anniversary Revue. More photos are on page 2, and even more are at [www.bnl.gov/pg/gallery/2007/60th/](http://www.bnl.gov/pg/gallery/2007/60th/)





CALENDAR  
OF LABORATORY EVENTS

- The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- 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, 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 Social & Cultural Club**  
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov).

**Mondays: Pilates**  
12:15 & 5:15 p.m. Rec. Hall. Ext. 5090.

**Mondays: Jiu Jitsu Club**  
6-7:30 p.m. B'haven Center. All levels, ages 6 & up. \$10/class. Tom, Ext. 4556.

**Mondays & Thursdays: Kickboxing**  
\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

**Mon., Tue. & Thu: Ving Tsun Kung Fu**  
Noon-1 p.m., B'haven Center, North Room. Taught by Master William Moy. Scott Bradley, Ext. 5745, [bradley@bnl.gov](mailto:bradley@bnl.gov).

**Mon., Thurs., & Fri.: Tai Chi**  
Noon-1 p.m., B'haven Center North Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

**Tues. & Thurs: Jazzercise**  
Noon, Rec. Hall. Ext. 5090.

**Tuesday & Thursday: Aerobic Fitness**  
5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, [flood@bnl.gov](mailto:flood@bnl.gov).

**Tuesday & Thursday: Aqua Aerobics**  
5:15 p.m., Pool. Ext. 5090.

**Tuesdays: Welcome Coffee**  
10 a.m.-noon, apartment area gazebo. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

**Tuesdays: BNL Music Club**  
Noon, B'haven Center, North Room. Come hear live music. Joe Vignola, Ext. 3846.

**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/toastmstrs/](http://www.bnl.gov/bera/activities/toastmstrs/).

**Tue., Wed. & Thu: Rec Hall Activities**  
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

**Wednesdays: On-Site Play Group**  
10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

**Wednesdays: Ballroom Dance Class**  
B'haven Center, N. Ballroom. Instructor: Giny Rae. Arup Ghosh, Ext. 3974; Donna Grabowski, Ext. 2720; or Vinita Ghosh, Ext. 6226.

**Wednesdays: Weight Watchers**  
Noon-1 p.m. Michael Thom, Ext. 8612.

**Wednesdays: Yoga**  
Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov).

**Wednesdays: Pilates**  
5:15 p.m., Rec Hall. Ext. 5090.

**Thursdays: Reiki Healing Class**  
Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, Ext. 2027.

**Fridays: Family Swim Night**  
5-8 p.m. BNL Pool. \$5 per family.

**Fridays: BNL Social & Cultural Club**  
Noon-1 p.m., B'haven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov).

**CIGNA: Tuesdays, Bldg. 400**

A CIGNA Healthcare representative will be on site in Human Resources, Bldg 400, on Tuesdays, to assist you with any claims issues that you have been unable to resolve yourself. Janice Petgrave will be available for 30-minute meetings, by appointment only, 10 a.m.-1 p.m. Bring all pertinent documentation to your meeting. To schedule, call Linda Rundlett, Benefits Office, Ext. 5126.

**BNL's VIP Celebrates National Volunteer Month**

The Volunteers in Partnership program (VIP), sponsored by Brookhaven Science Associates, seeks to support and acknowledge employees who volunteer in organizations outside BNL. To celebrate National Volunteer Month, in an effort coordinated by VIP member April Gray, four BNlers are coming to Berkner Hall lobby to share information about their volunteer work in a local community organization. Each Friday, the Bulletin will feature the volunteer and service organization of the following week. For more information on the VIP program, contact Barbara Blenn, Ext. 4458, or go to [www.bnl.gov/community/vip/body.htm](http://www.bnl.gov/community/vip/body.htm).



BNL's Barbara Royce, President of Thee Island INN soup kitchen, and BNL's Susan Pepper, a regular donor.

**Thee Island INN Soup Kitchen to Visit BNL, 4/13**

Next Wednesday, April 11, Barbara Royce of the Facilities & Operations Directorate will be in Berkner Hall lobby to discuss and give out information on Thee Island INN, a local soup kitchen, where she has volunteered for almost ten years. Thee Island INN operates as part of a network of 19 soup kitchens on Long Island sponsored by the Interfaith Nutrition Network (INN), a non-profit, non-denominational service organization. The all-volunteer operation provides meals two nights per week to people in Middle Island and local communities.

Royce started by serving dinners, then began bringing clothes, blankets and other necessities. She helps run drives for items such as paper goods (plates, cups, bowls) and coats. She collects school supplies for the children of families that come to the soup kitchen so that they can go to school with the needed tools -- helping 52 children in 2006. She coordinates the making of food baskets for guests at the holidays and lines up people willing to "adopt" children at Christmas to make sure they receive at least one toy and one piece of new clothing. Three years ago, Royce became President of the Soup Kitchen, which entails doing everything from overseeing kitchen operations, to writing and administering grants for funding, purchasing food and supplies, and coordinating the purchase/repair of major appliances.

Says Royce, "It's a lot of work, but it's satisfying to know that you make a difference. We need all the help we can get, especially in raising funds to feed increasing numbers of people. Take last October, for example. We served 563 meals in that month, compared to 430 in October 2005. Several people at BNL are very generous and responsive to our requests for help, and we would find it much harder without them."

— Liz Seubert  
To learn more, stop by the informational table Royce will set up in Berkner on April 11, or email her at [royce@bnl.gov](mailto:royce@bnl.gov).



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**Then & Now**

The recent 60th Anniversary flowering of BNL's theatrical talent (see story, page 1, and pictures below) was a bloom worthy of the tradition of much appreciated productions by the Lab's Dramatic Clubs of the past. BNL theater started in the earliest years of Lab history: this photo (left), which was scanned from an old issue of the November-December 1948 Isotopics, shows the cast of a forthcoming production, "Life and Half-Life," in rehearsal under the direction of Leonard D. Heyman (crouched on a table). The play, which was written by BNlers, was "very funny" according to Gerhart Friedlander, who joined the Lab in 1949 in time to see it, and also attended the 60th Anniversary Revue. Friedlander subsequently joined the Dramatic Club and took part in many great productions over the years.

— Liz Seubert



60th Anniversary Revue photos by Roger Stoutenburgh (1) D0520307 (2) D0670307 (3) D0550307 (4) D1080307 (5) D0940307 (6) D0770307 (7) D0590307

**BSA Noon Recital — Semi-Staged Opera, 4/11**

At noon on Wednesday, April 11, all are welcome to the free noon recital featuring a preview in semi-staged form of Stony Brook Opera's production of *L'Orfeo* by Monteverdi, which will be performed off site on April 13 and 15. David Lawton, Professor of Music at Stony Brook University, will introduce and discuss selected extracts from the opera. Visitors of 16 and over must carry a photo ID.

**Vanguard One-on-One Retirement Planning, 4/25**

On Wednesday, April 25, the Vanguard Group invites you to spend 45 minutes one-on-one with a licensed Vanguard representative to talk on site about financial issues. You may learn about: investing for long-term goals such as retirement; selecting funds for your savings; and making the most of the services and investment tools available to you. Schedule your 45-minute session online at [www.meetvanguard.com](http://www.meetvanguard.com) or call 1-800-662-0106, Ext. 14500.

**Meet With BAC, 4/12**

Have you exhausted all avenues to get your concerns heard? Did you know that BNL has a group of diverse employees who are ready to listen? Why not seek the assistance of the Brookhaven Advocacy Council (BAC)? Or, join the team! If you are a good listener who can maintain confidentiality, remain impartial, and are interested in establishing an atmosphere of trust between BNL management and its employees, consider becoming a BAC member. For more information, come speak with a BAC Council member on Thursday, April 12, 11:30 a.m.-1 p.m. in Berkner Hall lobby.

**Take Our Daughters, Sons to Work Day, 4/26**

Daughters and sons of ages 10-15 years old may come to work with their BNL parents on April 26. After a morning with their parents, then lunch, they will share a program of talks and tours. For more information, contact Liz Gilbert, Ext. 2315, [gilbert@bnl.gov](mailto:gilbert@bnl.gov).



BREA Plans 4th Annual Retirees Luncheon

The 4th Annual Get-together Luncheon is planned for BNL retirees, friends, and guests on Tuesday, June 5, from noon to 4 p.m. at the Bellport Country Club. In the photo below are the Brookhaven Retired Employees Association (BREA) members planning the event: (from left) Harriet Martin, Flo O'Brien, Renée Flack, Ronnie Evans, Carol Kramer, and Alyce Daly. Not pictured are Sonya Santos and Fran Scheffel. The committee invites all to join in an afternoon of fun, food and songs by Yvette Malavet-Blum (see article at right) and dancing to the Serenaders; \$30 per person includes choice of entrée, dessert, coffee or tea, beer, wine or soda (cash bar available). To reserve your place, send your name, address and phone number, with names of guests and your check for \$30 per person to BREA, BNL, P.O. Box 5000, Bldg. 475, Upton, NY 11973-5000. For more information, see [www.BREA.bnl.gov](http://www.BREA.bnl.gov).



Roger Stoutenburgh D0360307

BNLer Malavet-Blum Sings Latin Rhythm  
Catch her next show at Middle Country Library, 4/15



Roger Stoutenburgh D2660307

Yvette Malavet-Blum with Robert Boutcher, who also plays Spanish guitar during the performance

Those who enjoy Latin rhythm and singing — and, from the popularity of Yvette Malavet-Blum's recent round of her "Latin Rhythms" cabaret show, many Long Islanders most certainly do — will enjoy attending one of her upcoming shows. Malavet-Blum works part-time as an administrative secretary in the Lab's Energy Sciences & Technology Department, but in her free time, she sings so successfully that she has developed a secondary career as a local cabaret performer.

A native New Yorker, Malavet-Blum says she is a perfect example of "growing where you're planted." She has sung at numerous BNL events as well as in community theaters in Long Island.

Malavet-Blum performed as a soloist at BNL even before she came to work at the Lab. Her show, "Dreams Do Come True," debuted in 2001 in Manhattan, and Brookhaven Science Associates sponsored her performance in Berkner Hall on Valentine's Day, 2002. A role was also created for her by St. George Productions, in another show, "The 1939 World's Fair," which ran at the Vanderbilt Mansion in Centerport, 2002-2004.

"At BNL, I started working from the secretarial pool," says Malavet-Blum. "I joined a BERA choral group led by Sam Carr, who was a graduate student completing his Ph.D. in the Physics Department. I worked with Sam separately on my Latin Rhythms cabaret show. He left the Lab to continue his physics career, but we performed together once in 2003 in Berkner Hall, sponsored by the BERA Music Club in celebration of Hispanic Heritage Month."

In 2005, Malavet-Blum renewed the show. "I found that people enjoyed Latin music so much that I partnered with bass player Anita Barreca and pianist John Tinley to accompany me," she said. "We first performed in the Suffolk County Library circuit and became popular, so I was invited to other library venues."

In 2006, Malavet-Blum continued the Latin Rhythms show with Robert Boutcher, who plays piano and Spanish guitar. "All these gifted musicians have added their special touch to the performance," she said. "It has enriched the experience both for the audience and for us as performers."

Malavet-Blum and Boutcher will perform Latin Rhythms on April 15 at 2 p.m. at the Middle Country Library, on Sunday, April 29, at Mastic-Moriches-Shirley Community Library, 2-4 p.m.. and at the BREA Retirees' luncheon in June. For additional show dates and information, see [www.yvettemalavet.com](http://www.yvettemalavet.com) . — Jane Koropsak

Ducks Tickets at BERA Store; Other Trips, Too

Ducks tickets at \$10 each will be available on Wednesday, April 11, at the BERA Store (no phone calls), with a two-game maximum per person during the first week of sales. There are 72 regular season home games with eight seats per game located in section 205, Rows J & K, on the third base side. Pay at the time of purchase. Other ticket sales include Yankees and Mets games, NASCAR, fishing, Atlantic City coming up.

Nominations Wanted  
For Environmental Stewardship Awards

As part of BNL's commitment to environmental stewardship, BNL employees who help to make the environment healthier and more livable will be presented with the BNL 2007 Environmental Stewardship Award at the Annual Earth Day Awards Ceremony on April 19, at 3:30 p.m. in Berkner Hall. Recipients will have demonstrated an outstanding contribution in the areas of pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation. If you believe you or someone you know should be recognized for leadership in environmental stewardship, forward the following information to Karen Ratel, Bldg. 120, no later than April 7: your name, extension, dept./div., and Bldg. number; the nominee's name, extension, dept./div., Bldg. number; and an overview of the employee's contribution with supporting documentation.

For more information, contact Ratel, Ext. 3711 or [ratel@bnl.gov](mailto:ratel@bnl.gov).

Easter Egg Hunt Tomorrow, 4/7

On Saturday, April 7, at 11 a.m., the BNL Hospitality Committee invites all to the annual Easter Egg Hunt in the Recreation Hall in the apartment area. Games, crafts, and a raffle are on the agenda. Bring one dozen hard-boiled decorated eggs and a dish to share with several people. Bagels, fruit, and drinks will be provided.

The egg hunt will start at 11:30 a.m. and the games at noon, so be on time at 11 a.m. to have enough time to hide the eggs. For more information, contact Petra Adams at 821-9238 or [petra@adamsovi.com](mailto:petra@adamsovi.com).



CALENDAR

— THIS WEEKEND —

Saturday, 4/7

\*Defensive Driving Course

9 a.m.-3:30 p.m. Berkner Hall, Room B. \$30/person. Point & Insurance Reduction course open to BNL, BSA, & DOE employees, facility-users, and their families, at \$30 per person. Pre-registration required. To register, call Ed Sierra, 821-1013. Leave a message with your phone number. For more info, call Sarah Wiley, Ext. 4207.

\*Easter Egg Hunt

11 a.m. Recreation Hall. Hospitality Committee event. See information below, left.

— WEEK OF 4/9 —

Wednesday, 4/11

BSA Noon Recital

Noon. Berkner Hall. Stony Brook Opera will perform scenes from *L'Orfeo*, Monteverdi's pastoral/tragic opera. All are welcome to this free concert, open to the public. Visitors to the Lab of 16 and over must carry photo ID.

Hospitality Bus To Manhattan

9 a.m. Recreation Hall depart for Bryant Park area in NYC. Dep. from city, 6 p.m. To reserve: contact Monique de la Beij, [mdelabey@optonline.net](mailto:mdelabey@optonline.net) or 399-7656. Pay Wed., April 11, 10-10.30 a.m. in Rec. Hall, and Fri., April 13, 10-10.30 a.m., Berkner Hall. \$10/adult, \$5/children up to 12.

— WEEK OF 4/16 —

Monday, 4/16

Step Into Spring Health Program

Step into Spring is a six-week pedometer walking program. Record your steps, work toward 10,000 steps/day. Space limited. Register with Michael Thorn, Bldg. 490, OMC, or [mthorn@bnl.gov](mailto:mthorn@bnl.gov).

Mon.-Fri., 4/16-20

\*BNL Celebrates Earth Week

See events listed at left.

Tuesday, 4/17

\*Schwartz on Global Warming

Noon. Berkner Hall. See left.

Wednesday, 4/18

424th Brookhaven Lecture

4 p.m. Berkner Hall. Stephen Musolino, Nonproliferation & National Security Department, talks on "Radiological Threat Reduction: Dealing With Dirty Bombs." Free, open to public.

Thursday, 4/19

\*Earth Day Awards Ceremony

3:30 p.m. Berkner Hall. See left.

— WEEK OF 4/23 —

Friday, 4/27

\*'Dance Social - Swingin' Into Spring

7 p.m.-midnight. Brookhaven Center, North Ballroom. Live band, 20-piece Bill Wilkinson & Orchestra, will play 8-11 p.m. Free dance lesson 7-8 p.m., digital DJ, 11 p.m.-midnight. Open to the public. Visitors of age 16 and over must bring a photo ID. Tickets, \$25 each in advance at the BERA Store. See also page 4.

\*Blues/Rock Concert

8 p.m. Berkner Hall. "Pickin' at the Berkner," featuring Andy Aledort and the Groove Kings, the Todd Wolfe Band, and Mark Newman, sponsored by the BNL Music Club. Open to public. \$15. See [www.bnl.gov/bnlweb/pubaf/pr/PR\\_display.asp?prID=07-34](http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=07-34) .

Arrivals & Departures

— Arrivals —

Misuki Karasawa ..... Physics  
Laura Taddonio ..... C-AD  
Carla Vale ..... Physics

— Departures —

Nancy Daneau ..... P&PM  
Gwendalina Delgado .... Plant Eng  
Jorge Jimenez ..... C-AD  
Marsha Kipperman ..... HR/OM  
Hugh Isaacs ..... CMP&MS

BNL Celebrates Earth Week, 4/16-20

Tickets will be issued to participants of each event, to be entered into a drawing for door prizes, which include a new bicycle. Winners will be notified on April 20.

Environmental Displays, 4/16-20

Berkner Hall lobby. Displays will be on show throughout Earth Week, including photos of on-site wildlife taken by Tim Green and environmental posters created by local elementary schoolchildren participating in BNL's annual "Your Environment" art contest.

Environmental Pledge Tree, 4/16-18

Berkner Hall lobby; 4/1 -20, Research Support Building, 11:30 a.m.-1:30 p.m. Small changes in daily life can ensure a better environment. This year's theme is helping to reduce greenhouse effects. Place your pledge leaf on the Environmental Pledge Tree and show your support: then spin the prize wheel for some great prizes. Proceeds will be donated to the Foundation for Ecological Research in the Northeast (FERN) and used to conduct research within the Pine Barrens of Long Island.

Stephen Schwartz, Environmental Speaker, Tuesday, 4/17, Noon

Berkner Hall. Schwartz will talk on "Greenhouse Effect and Your Family's Contribution to It." This free lecture is open to the public. No reservations required. Visitors to the Lab of 16 and over must carry a photo I.D.

Environmental Vendor Fair, Tuesday, 4/17, 11:30 a.m.- 1:30 p.m.

Berkner Hall lobby. Vendors include LI Greenbelt Train Conference, LI Sound Study-NY Sea Grant, U.S. Fish & Wildlife Service, National Wildlife Refuge Complex, Vesta Vapore, LIPA, Simple Green, Sylvania Light Bulbs, Green Thumb Farm, Organic Spa Products, and others.

Office Supply Swap, Tuesday & Wednesday, 4/17 & 18, 11:30 a.m.-1:30 p.m.

Berkner Hall lobby. By popular demand, this year's Office Supply Swap will be held for two days. Take this opportunity to spring clean — bring unwanted supplies to Berkner Hall lobby by 11:30 a.m. All supplies not swapped will be recycled.

LITM/NuRide Sign-Up, Tuesday, 4/17, 11 a.m. - 2 p.m.

Berkner Hall lobby. Find out how you can cut your commuting costs and help the environment by reducing air emissions. BNL employees, users, and guests can sign up for this highly flexible rideshare service, in which participants can earn rewards for every ridesharing trip they take.

Annual Earth Day Awards Ceremony, Thursday, 4/19, 3:30-5 p.m.

Berkner Hall. Come attend as George Goode presents the 2007 Environmental Stewardship Awards to BNL employees who have demonstrated outstanding contributions in areas of pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation. Jim Tarpinian will present the "Your Environment" poster awards to local elementary schoolchildren.

Hybrid Vehicle Display, Friday, 4/20, 10 a.m. to 2 p.m.

Berkner Hall front parking lot. Check out hybrid vehicles on display, learn about their benefits, such as emission reductions and increased fuel economy.

Heckscher Spring Festival, Saturday & Sunday, 4/21 & 22, 8:30 a.m. -5 p.m.

Heckscher State Park. View displays hosted by the New York State Office of Parks, Recreation & Historic Preservation in honor of Earth Day. BNL's Environmental & Waste Management Services Division will be there with many interactive displays. All are welcome to attend and enjoy giveaways, music, food, and entertainment for children.



LIANS Dinner Meeting, 4/19

The next meeting of the Long Island Chapter of the American Nuclear Society (LIANS) will be on Thursday, April 19, when Richard Lefferts of Stony Brook University's Department of Physics and Astronomy will talk on "Counting Teeth to Counting Nuclei: Dating (With) an Accelerator."

The meeting will be held at the South Shore Restaurant, Patchogue, on Rte. 112, just north of the NW corner of Sunrise Highway. Complimentary appetizers/cash bar will start at 6 p.m., dinner at 7 p.m., and Lefferts's talk at 8 p.m. The cost is \$25/person. Reserve by Monday, April 16, leaving a message with Arnie Aronson, Ext. 2606.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Thursday, April 19th, and Wednesday, April 25th to answer employees' questions about your financial matters. The consultant will help you to understand the importance of protecting your assets against inflation, find the right allocation mix for you, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Suzanne Leone, (866) 842-2053, Ext. 4601.



## 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 benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible 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. Access current job openings on the World Wide Web at [www.bnl.gov/HR/jobs/](http://www.bnl.gov/HR/jobs/).

The Deputy Director has exempted the following positions from the freeze:

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

**KH4012. POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in experimental chemistry, biophysics, biology, material science or a related field. Technical hands-on experience in biochemical methods, scanning probe techniques, electron microscopy, or solar energy systems is also highly desirable. The group's research program is focused on the utilization of structural DNA nanotechnology to direct the precise assembly of nano-objects and proteins into organized structures. The CFN offers an interdisciplinary scientific research environment, with access to state of the art nanofabrication and characterization facilities at Brookhaven and close collaborations with the departments of Biology, Physics, Material Science and the National Synchrotron Light Source. Under the direction of W. Sherman and O. Gang. Center for Functional Nanomaterials.

**KH4563. POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in experimental, nuclear or high energy physics. Strong software skills and some hardware experience are also desired. Experience with accelerator issues is a plus. Will be expected to take a leading role in the development of the "deuteron EDM in Storage Rings" proposal, including accelerator physics issues, beam and spin dynamics as well as to participate in the development of the deuteron polarimetry currently underway in the Netherlands and in Germany. The deuteron EDM storage rings is a new method designed to provide the next level of sensitivity in hadronic EDMs. Under the direction of Y. Semertzidis. Physics Department.

**TB4104. BUSINESS OPERATIONS MANAGER 3 (A-9)** – Requires a bachelor's degree, MBA or equivalent on the job experience, and 10 years' related experience in financial management and related fields. In-depth understanding of principles of integrated financial systems, proficiency in Excel or equivalent software essential. Excellent analytical, organizational and written and oral communication skills are necessary, as is experience working with organizational management. Experience that includes contract administration, facilities and property management and project management is a plus. Financial responsibilities will include leading the estimating, budget formulation, analysis of cost and commitment, rate development, preparation of financial analyses and reports and preparation of research proposals. Ideal candidate would be in-house and have extensive knowledge of BNL policies and procedures as well as PeopleSoft Financials although qualified outside candidates will be considered. Will provide direct support to the Assistant Department Chair for Administration in all aspects related to the administration and financial oversight of the Collider-Accelerator Department and the Superconducting Magnet Division. Collider-Accelerator Department.

**TB4103. BUDGET SPECIALIST (A-6)** – Requires a bachelor's degree in accounting, business administration or equivalent and a minimum of four years' relevant experience. Proficiency in Excel or equivalent software is required. Excellent written and oral communication skills, ability to communicate effectively with administrative and technical personnel is essential. Excellent organization and analytical skills are key, as is the ability to work well in a team environment. The ability to exercise a considerable degree of initiative and judgment is necessary. Knowledge of BNL policies and procedures as well as PeopleSoft Financials is strongly desired. Responsibilities will include estimating, budget formulation, analysis of cost and commitment, rate development, preparation of financial analyses and reports. Collider-Accelerator Department.

**NS2298. LIBRARIAN (A-4)** - Requires an ALA accredited Masters in Library or Information Science and experience with bibliographic utilities and the basic tools of technical services librarianship. Must possess a strong

commitment to service and teamwork, and the ability to establish and maintain effective working relationships with colleagues, publishers, vendors, and the Library user community. Excellent written and oral communication skills are required. Responsibilities include acquisition and maintenance of print and electronic resources, fund accounting, and cataloging. Proficiency in Excel and other MS Office products, and experience with the SIRSI integrated library system a plus. Includes scheduled evening hours until 6 p.m. Research Library/Information Services Division.

**RM3258. CONTROLS COMPUTING LEADER/MANAGER I (I-10)** - Requires a BS/CS or BS/EE and 10 years related experience that includes significant experience in the development, installation, integration, commissioning and operation of process control systems required. MS/CS or MS/EE desired. An in-depth knowledge of process control systems, UNIX, real-time embedded OS, and network installations, configuration and operation is required. Knowledge and experience in accelerator control, EPICS, LINUX, RTEMS, is highly preferred. Significant programming knowledge is required. Experience managing software teams, preferably including experimental science support, and/or accelerator control systems support. Experience in C, C++, and JAVA is desired. NSLS is seeking a dynamic controls professional and technical leader in its Controls Computing effort. As a software manager, the successful applicant will manage a team of about ten (10) software engineers supporting ongoing NSLS programs. Responsibilities include software and real-time system configuration management, working with and managing others to work with physicists and engineers to specify and design projects, delivery of application software, coordinating commissioning and implementation of applications, all while working closely with the operations group as well as the systems and networking group. National Synchrotron Light Source Department.

**NS4623. MANAGER, PROCUREMENT & PROPERTY MANAGEMENT DIVISION** - Responsible for planning, leading, and directing BSA personnel involved in the timely and economical requisition of all products and services required by BNL. Acts as the Functional Policy Contracts Manager for procurement, responsible for establishing and implementing BNL policy and assuring compliance with Federal Acquisition Regulations (FARs), Department of Energy Acquisition Regulations (DEARS), Federal Property Management Regulations (FPMRs), and other DOE requirements. Manages the property management system that includes tracking all accountable property. Serves as the focal point with DOE-BHSD and HQ for procurement and property management activities. Through regular partnership and interface meetings with DOE, interprets DOE policy, clarifies DOE expectations, and assures BSA compliance with DOE's expectations and requirements. Responsible for BSA performance and evaluations as they relate to procurement and property management. Develops and implements long-range plans and strategy for execution of procurement and property management functions. Plans and carries out training and developmental activities for subordinates related to both current and future positions. Handles various personnel and organizational matters relating to employees in these functional areas. Includes interface and interaction with internal and external customers as needed. Conduct operational assessments and performance evaluations of direct reports and their respective areas of responsibility. Requires a BA in business administration or in a related field (MBA strongly preferred), and extensive relevant management experience. Must have a highly successful, demonstrated management track record in strategic and tactical planning, execution, and working within an agency-approved procurement organization. Management experience in a large technical/scientific organization and particularly experience within the DOE complex is highly desirable. This position has line management responsibility for the Laboratory's procurement and property management systems, including asset management, traffic and inventory. A broad background in procurement, knowledge of federal property regulations and a safety focus are required. The successful candidate must possess exceptional communications and interpersonal relationship management skills and operate with a high degree of customer orientation. Experience with and understanding of business ERP systems is very desirable. An exceptionally high degree of personal integrity and accountability are fundamental requirements.

### Motor Vehicles & Supplies

**03 HONDA CIVIC EX COUPE** - . 46K mi. \$12,000/neg. Ext. 4739 or 886-1383.

**02 TOYOTA CELICA** - GT, blue, 2 dr, FWD, a/c, am/fm/cd/cass., avail. 8/17. 81K mi. \$11,000/neg. Ext. 4924.

**01 VW PASSAT** - fully loaded, 1.8l, a/t, new tires, sun roof, CD, Burgundy, primo cond. 61K mi. \$10,500. Susan, Ext. 3492.

**00 HONDA CIVIC LX** - orig. owner, prof. maint., 4cyl., cd, a/c, 4dr., excel. 159K mi. \$4,500/neg. Howard, Ext. 3198 or 521-9950.

**99 HONDA LX COUPE** - a/t, am/fm/cass., orig. owner, dealer serv., many new parts, runs v. well. 210K mi. \$1,199. 751-8403.

**96 AUDI A4** - V6, 2.8L, 5-spd. Quattro, dk. blue ext., leather int. Bose stereo, pwr. m/ roof, p/w, p/l, 131K mi. \$5,400. 750-3244.

**95 FORD WINDSTAR** - 7 psgr van, 3.8L, 6cyl, a/t, abs, a/c, p/w, p/s, p/l, am/fm/cass, r/rk, gd cond, 100K mi. \$1,380/neg. Ext. 3294.

**95 MAZDA 626 LX** - 4-dr. seden, a/t, drive daily, 1 yr. new tires, new brakes. 123K mi. \$1,600. Ext. 5833.

**94 FORD MUSTANG GT** - 8-cyl, 2dr, CD, 5-spd, runs well. 70K mi. \$2,000/neg. 286-3545.

**86 TOYOTA CRESSIDA** - a/t, good cond., 6cyl, c/c, new t belt & water pp. 65K mi. \$1,400/neg. Ext. 4555 or 472-1830.

**68 PLYMOUTH BARACUDA** - In midst of restoration, body and parts in very good cond., call for details. 744-0790.

**OWNER'S MANUAL** - 1956 Packard Clipper, \$28. 803-0506.

### Boats & Marine Supplies

**25' MORGAN M24 SAILBOAT** - 1968, LOA 24'9, draft 2'9, sleeps, 5.8 HP Evinude, many extras. \$2,000/neg. Ext. 5636.

### Furnishings & Appliances

**BABY GATE** - sturdy (steel) expandable, mounting hardware incl., off-white color. \$17. Ext. 3621.

**CHINA CABINET** - curved glass, beautiful mahogany, old, 3 dove-tailed drawers on bottom, 52Wx19Dx71H, pic. avail. \$450. Nancy, Ext. 5744 or 431-6737.

**COFFEE TABLE** - hand made, solid oak, one of a kind, \$75. John, 275-8445.

**COMPUTER STATION** - oak veneer, excel. cond. w/pull-out side drawer/shelf, storage cabinet top right, \$75. Mary, Ext. 6344.

**DEHUMIDIFIERS** - 2 of them in excel. cond. \$75. ea. Joe, Ext. 3783.

**FREEZER** - Sears Coldspot, large capacity, top loading, white, 4'x3'x2', excel. cond., \$75. Rick, Ext. 3005.

**INEXPENSIVE HOUSEHOLD ITEMS** - furniture, appliances, TVs, quality & designer fabric, high chair, new jogging stroller/ toddler bed. Ext. 7007 or 473-9678.

**RATTAN CHAIR** - like new, dusty rose cushion, easily recovered, \$65. 803-0506.

**REFRIGERATOR** - white, top or bottom freezer, 18-21 cu ft., energy star rated, gd. working cond. Bill, 395-9610.

**WALL UNIT** - creme color w/ glass/mirror doors, ea. sect. 32" w X 17" d. \$150 or best offer. Marion, Ext. 5087 or 874-3145.

### Audio, Video & Computers

**CAR STEREO** - Pioneer, 50W/channel, CDRW/MP3/WMA playback, sat/ipod compat., blue OEL display/scr/saver, like new. \$180. Laura, Ext. 7842 or 434-5824.

**CAR STEREO** - DuraBrand, in dash, CD/MP3/CDRRW playback w/MP3 disc, 45Wx4, slide-dn/det. panel. \$100. 434-5824.

**MNITOR COLOR CALIBRATION TOOL** - Gretag McBeth, for high-quality digital photography, new. \$70. Ext. 3621.

### Sports, Hobbies & Pets

**ANIMAL CRATE** - large, black metal w/ plastic floor pan. \$50. 387-5699.

**ENGLISH SADDLE** - size 17.5, excel. condition, 2nd owner, \$300. Mary, Ext. 6344.

**FREE FISH** - African Cichlids, 10 - 15 babies (< 1 yr) need home, tank crowded. Debbie, Ext. 5664.

**KNEE/WRIST GUARDS** - New, size large, \$10. Ext. 4340.

**SLOT MACHINE** - Triple Triple Diamond (9x, 81x). Actual Las Vegas casino slot machine. IGT. Accepts qtrs./bills. \$850. Ext. 3005.

### Tools, House & Garden

**LAWN MOWER** - Jackobsen Park 30 riding reel, 1950s, wks v well, \$150. 475-4199.

### Lost & Found

**FOUND: MEMORY STICK** - outside Rec Hall, Bldg. 317, in Apt. area. Ext. 5090.

**GOLD EARRING** - Fd on side of Cornell Ave, near intersection with Railroad Avenue. Large swirly gold design. Melanie, Ext. 5810.

### Miscellaneous

**AIRLINE CREDIT (SOUTHWEST)** - \$239 in credit w/SW Air. Sell for \$200. Must used by Sept. '08. 835-8309.

**DRUM SET** - 5 pc., pearl, black, incl. chair, Sabian highhat, crash symbol, cowbell. \$325. Scott, 374-1484.

**HORSE STALLS** - full board arena, turn out trails, pvt. barn, feed 4 times daily, plenty of TLC, Ridge. 924-0002.

**INK CARTRIDGE** - Canon PC20, new, \$100 plus free starter cartridge. 286-1339.

**LIONEL TOYS** - American Flyer & other toy trains, autos & trucks, top \$ paid for excel. cond., some for sale. 924-4097.

**MOVIE TICKETS** - Staller Center, 4/27, 7 p.m. "The Good German" & "Pan's Labyrinth" 2 tkts, \$5 ea. Diane, Ext. 2347.

**PUNCH BOWL** - glass w/11 matching cups, ladle & cup hooks. \$10. 929-4440.

**PUNCHING BAG** - heavy weight, perfect cond. w/gloves. \$50. Mary, Ext. 3927.

## 'Get Ready for Earth Day' Mini-Fair, Mastics-Moriches-Shirley Library, 4/9

BNL will hold a "Get Ready for Earth Day" mini-fair at the Mastics-Moriches-Shirley Community Library, 407 William Floyd Parkway, on Monday, April 9, 7-9 p.m. The event will feature hands-on activities, displays, handouts, and a popular recycling quiz. Anyone who successfully completes the quiz will get a door prize, while supplies last. The fair is open to all, no reservations required.

Staff from the Lab's Environmental Services & Waste Management Division will answer questions on how to dispose of hazardous household wastes safely and how to employ environmentally friendly pollution-prevention and recycling techniques. A model of the Long Island aquifer, the sole source of local drinking water, will be on display, and Lab staff will explain how wells, landfills, and plumes of pollution interact with the aquifer. Children can learn about Long Island animals through an interactive activity about animals' footprints. Visitors may become a DOE's "Energy Star" by attempting the hand-cranked generator challenge to prove how much less energy a compact fluorescent light bulb uses than does an incandescent bulb.

## 'Pickin' at the Berkner' Blues/Rock, 4/27

Blues/rock guitarist Andy Aledort and the Groove Kings, the Todd Wolfe Band, and singer/songwriter/guitarist Mark Newman will be the featured performers at "Pickin' at the Berkner," a concert to be held in Berkner Hall on Friday, April 27, at 8 p.m. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID. Buy tickets at \$15 each at the BERA Store or at [www.ticketweb.com](http://www.ticketweb.com).

## Dance Social —'Swingin' Into Spring,' 4/27

Bill Wilkinson & Orchestra will play at a dance social in the Brookhaven Center on Friday, April 27, 8-11 p.m., with a one-hour beginner dance lesson in East Coast Swing, 7-8 p.m., and dance music played by a Digital-DJ, 11-midnight. Sponsored by the BERA Social & Cultural Club, the event is open to the public. All visitors of age 16 and over must bring a photo ID. Tickets cost \$25 in advance at the BERA Store; \$35 at the door. Cost includes a cold hero buffet, cookies, refreshments, etc. ASAP members are offered a 50 percent discount. Contact Rudy Alforque, Ext. 4733 or [rudy@bnl.gov](mailto:rudy@bnl.gov).

**SLIDING DOOR** - builders' grade, 9 yrs. old, just removed. \$75 obo, you pick up. 331-4792.

**TICKETS** - Tues. & Fri. games avail.; LOGE sec 5, Row G, 2 seats, face value. Rodney, 751-7203.

**WEDDING DRESS** - Size 10, never worn to a wedding, \$250 or best offer. Ext. 3621.

**YANKEES TICKETS** - 4 tickets for April 4 vs. Tampa Bay, 1:05 p.m., Box 669, Row D, \$10/ea. Ext. 2165.

### Yard & Garage Sales

**CENTER MORICHES** - giant yard sale, Sat., 4/14, 46 Clinton, furn., children's, household, more, rain date: Sun., 4/15. 878-1617.

### Free

**GUINEA PIG** - female, B&W, cute, 1 yr. old, affectionate, all supplies incl. Ext. 7517.

### Wanted

**1970S HOME DECOR** - curtains, wall art, and tableware wanted. The uglier the better. Free only. Sandy, Ext. 2922.

**KNIFE COLLECTION** - small or large, even one knife. I will pay fair \$. Butch, 924-5249.

**LONG SHAFT OUTBOARD** - for sail boat, less than 10hp, elec. start pref., gd. cond. 474-8715.

**PERENNIALS** - shade/sun loving, will divide/clip at your house, looking for hostas, ivy, day lilies, and more. 258-4607.

**PERSON** - who can convert Super 8 movies into another format to watch, i.e., video, or DVD. Reasonable fee. Susan, Ext. 7647.

**REMINGTON MODEL 1187** - Shot Gun in 12 or 20 gauge. Joe, Ext. 3783 or 487-1479.

### On-Site Services

**ENTERPRISE RENT-A-CAR** - Stop by the on-site office at Bldg. 355, 50 Brookhaven Ave., to check weekend specials, daily rates. Or call Ext. 4888 or see [www.enterprise.com](http://www.enterprise.com).

**ON-SITE SERVICE STATION** - All vehicle services, NYS inspections, new batteries, tires, timing belts, repairs, etc., done while you are at work. Ext. 4034.

### Happenings

**RETIREMENT PARTY** - for Madeline Windsor, 4/20 at 5:30 p.m. in the Center. Buffet/gift \$37/pp. Mary, Ext. 3489.

### For Rent

**AQUEBOGUE** - studio w/added rm (bdm.), all incl., call after 4/6. \$900/mo. 779-3107.

**CENTER MORICHES** - 1-bdrm. apt., full bath, new floors and paint, nice area, heat & elec. incl. \$825/mo. George, Ext. 3868.

**CENTER MORICHES** - w/front, 3 bdrm., 2 bath, 1/r, d/r, eik, det. 2-car heated gar./studio, renov., w/d, 50' blkhd., deck, dd-end st., walk to town. \$2,200/mo./neg. 775-0724.

**CENTER MORICHES** - 1-bdrm. apt., 2nd fl., pvt. ent. & prkg., full bath/kit, gar., heat, elec, wtr. incl., nr stores, quiet, no pets/smkg., 1

mo. sec. req'd. \$800/mo. 375-7264.

**E SETAUKET** - 1-bdrm. apt., pvt. ent., spacious parking, all util. incl., 1 mon. sec. \$850/mo./neg. 456-1753.

**FARMINGVILLE** - 1 bdrm. in lg. house, share bath w/2, full kit., 1/r, d/r, elec. incl., avail 5/1. \$450/mo. Ben, 513-8275.

**MARBELLA, COSTA DEL SOL, SPAIN**, - 2-bdrm., 2-bath villa, grd, dir. beach access, 6/24-7/1, King mstr. bdrm. pvt. balc/patio, full kit, a/c, 1/r, d/r. \$1,200/wk. 516-241-4598.

**N.SHIRLEY** - 1-bdrm. apt, ground level, Fully furnished, pvt. ent., 4 min. to Lab, util. incl., single, no pets/smkg. \$800/mo. Ganga, Ext. 3849.

**ROCKY POINT** - 1-bdrm. apt., 1/r, bath, pvt. driveway/ent., no smkg./pets, 1 mo. sec., utilities not incl. \$850/mo. Ron or Kim, 821-3287.

**SHOREHAM** - updated 4-bdrm., 2-bath house, hrd. wd. flrs., 4 kit. appl., full bsmt., w/d, gar., lg. pvt. back yd. w/patio, SWRSD, + util. \$2,300/mo. 821-2577.

### For Sale

**BROOKHAVEN** - 4-bdrm., 2-bath cape, cac, oil ht, f/p, full bsmt., 2-car gar., renovated kit. & baths, next wooded preserve, organic veg garden. \$449,000 286-2505.

**CENTER MORICHES** - waterfront 50' blkhd, 4 bdrm., 2 bath, det. 2-car htd.gar./rec rm., hrd.wd. flrs., new carpet, kit. ss appl., dead end st., w/d. \$499,000 Ext. 775-0724.

**MANHATTAN** - Timeshare, any 7 days per year. Across from Carnegie Hall. Sleeps 4, 1 bath, kitchen. \$23,500 OBO. Gerhart Friedlander, 631-650-3222.

**MEDFORD** - BlueRidge Condo devel., resort lvg. w/indr., outdr. pools, tennis, golf, 3 bdrm., 1.5 bath, 1/r, d/r, kit., 2-level deck, \$334,900/neg. Ext. 3995 or 696-4366.

**MIDDLE ISLAND** - 5 bdrm., 3.5 bath, f/p, 1/r, eik, formal d/r, laundry, hrd. flrs., 2-car gar., igp, open house Sat., 3/31, from 11-1. \$478,000/neg. 917-848-3071.

**PATCHOGUE** - 4,200 sq. ft., .50 acre, 2 car-gar, 4 bdrm., 2.5 bath, d/r, 1/r, den, f/p, igp, cac, vac, radio, full bsmt., legal 2-bdrm. apt. 2nd flr, pavers. \$720/neg. 374-1484.

**SELDEN** - 4-bdrm., 3-bath, Colonial, formal d/r, lg. den w/fp, 2-car gar., bsmt., hot tub, cac, igs, appl., new roof & oil tank. \$449,900 698-0057.

**WESTMINSTER, CO** - condo, 2 bedrms, fireplace, a/c, cath. ceilings, all appl., garage, pool, tennis cts, mntn view, ideal vac home, nr Boulder/Denver \$114,900 Ext. 2347.

**BOYNTON BEACH, FL** - Sun Valley East, condo 55+, 2/2+ bath, 1800 sq. ft., walk to clubhouse, pool, tennis. \$199,999 516-495-0187.

### In Appreciation

To my friends in the Radiological Control Division and Bld. 701 (ERP): Thank you for your kind expressions of sympathy on the loss of my father. Our family sincerely appreciates your thoughts, prayers, & efforts.  
— Patrick Sullivan