

BNL's Office of Intellectual Property & Sponsored Research Acting to Develop, Transfer, Protect BNL's Technologies



Roger Stoutenburgh D0340307

With Assistant Laboratory Director for Policy & Strategic Planning J. Patrick Looney (standing, second from left) are Office of Intellectual Property & Sponsored Research staff: (standing, from left) Dorene Price, Kimberley Elcess, Michael Furey, Christine Brakel, and Lori-Anne Neiger; (seated, from left) Cyrena Condemi, Maria Pacella, Alison Schwarz, and Virginia Coccorese.

Most people at BNL assume that technology transfer means converting Lab inventions to commercial use. However, the process is much more complicated than sharing ideas. For that reason, the Lab employs a team of experts who work with researchers to ensure that licensing and patenting their inventions are handled properly and that the Lab actively partners with outside organizations to conduct "work with others."

Formally entitled the Office of Intellectual Property &

Sponsored Research (OIPSR), the "OIP" portion of the group is committed to sharing Lab-developed technology and technical capabilities to benefit industry and state and local governments, while the "SR" portion of the group actively works with outside organizations, such as NASA and the National Institutes of Health (NIH), to contribute to compelling national and international research activities.

Led by Chief Intellectual Property Counsel Lori-Anne Neiger, the Lab's active patent

has a patentable idea that may be commercially viable. We average 20 patents per year and anticipate that number will increase with more research at the new Center for Functional Materials (CFM) and ramp-up at National Synchrotron Light Source [NSLS]-II."

Zhong Zhong, a researcher in the NSLS, has worked with OIP on his patent for a laue x-ray focusing device. Says Zhong, "Since publication is not advised while a patent is being considered, speedy resolution of patent issues is important for timely publica-

tion of research data. Lori-Anne Neiger of OIP visited me several times at the NSLS to observe a prototype of an invention. Having face-to-face interactions with OIP staff is extremely valuable during the patent process."

OIP staff members are also kept busy negotiating licensing agreements. These agreements allow industry to use Lab technology for a specified period of time, as though industry is "renting" the technology. According to Neiger, licensing is very profitable to the Lab. "Last year we grossed \$6.1 million under the umbrella of licensing agreements," she said. "Under

licensing agreements, the Lab, the inventive department and the inventor share the royalties. The Lab can then use those funds to foster new research projects."

Neiger encourages any employee who may have an idea for a patent to contact her at Ext. 3035 or lneiger@bnl.gov.

OIPSR has yet another important function: forming and maintaining relationships with external organizations, both federal and non-federal, that will lead to research partnerships.

Led by Research Partnerships Manager Michael Furey, the "SR" portion of the group

(continued on page 2)

Special Lanyards Available for BNL Inventors

BSA has approximately 190 patents in its portfolio, with over 40 percent of them licensed to industry, and the Laboratory's patent income exceeded a record \$6 million in FY2006. Lori-Anne Neiger, BNL's Chief Intellectual Property Counsel, wants to keep the patent portfolio growing.

To give patents a higher profile, Neiger has instituted a new initiative, which she hopes will become a conversation-starter: Her office has distributed over 100 special lanyards used for holding photo IDs for BNL patent-holders. The lanyards come in either red or blue and are imprinted with the words "BNL INVENTOR."



Roger Stoutenburgh D01660207

With Dorene Price (left) and Lori-Anne Neiger, Avraham Dilmanian (left), Medical Department, and Paul O'Connor, Instrumentation Division, show off their BNL INVENTOR lanyards. Dilmanian developed microbeam radiation therapy, an x-ray therapy that can control malignant tumors in animals while leaving adjacent normal tissue mostly unharmed. O'Connor developed circuits used in radiation detectors. His technology has been licensed to several companies.

"We want to recognize inventors for their achievements, and we want to make employees aware of the Lab's patent program," Neiger said. "We're hoping that BNL inventors will wear their lanyards, and that the lanyards will help to spur discussions of new ideas for inventions."

The technologies in BSA's licensing portfolio are in diverse areas, including molecular biology, medical devices, pharmaceuticals, optics, instrumentation, novel materials, environmental remediation, and energy production. For example, licensed patents range from drugs to help relieve addictive cravings to electrocatalysts for increasing the efficiency of fuel cells.

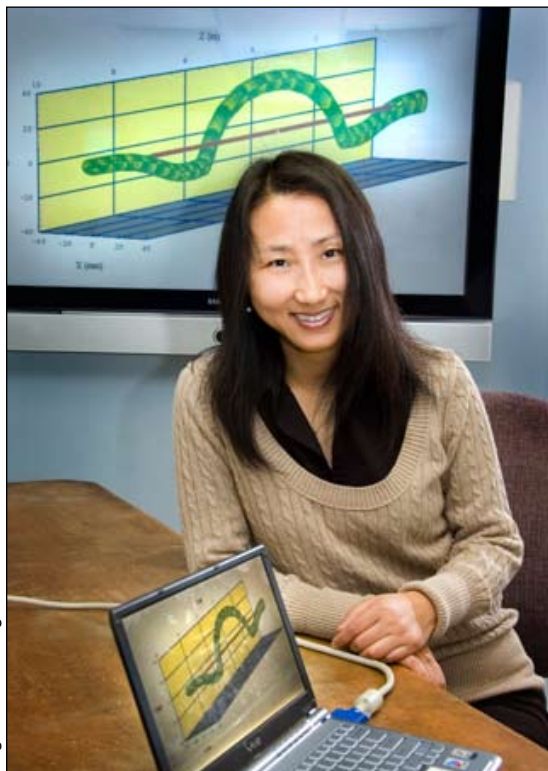
Licenses on patented technologies can be exclusive, for a specific field of use, or for a specific geographical area. The potential licensee must present plans for commercialization of inventions. After expenses are paid on patents and licenses, and the inventors' share of profits is distributed, 40 percent of royalties from licensed patents is given to BNL departments where the inventions were created, and the other 60 percent is distributed for research and development at the Lab.

If you have an idea for an invention, contact Neiger, Ext. 3035, or Dorene Price, Senior Patent Attorney, Ext. 4153, in BNL's Office of Intellectual Property. — Diane Greenberg

423rd Brookhaven Lecture, 3/28 Studying Proton Spin — Mei Bai to Talk On Meeting Accelerator Challenges at RHIC

In addition to investigating the primordial properties of the universe by colliding heavy ion particles together, scientists at BNL's Relativistic Heavy Ion Collider (RHIC) are studying another fundamental question of particle physics: What is responsible for proton "spin"?

Spin is a basic property of particles, like mass and charge. It is connected to the particle's intrinsic magnetic moment. Protons, which are parts of the nucleus of every atom, are known to have a spin of one-half — but this value does not equal the sum of the spins of the quarks that make up each proton. Part of the proton's spin is likely to be also due to the gluons that hold the quarks together.



Roger Stoutenburgh D0490307

Using specialized magnets known as Siberian snakes to keep the protons "polarized," that is, all the spins aligned in the same direction, physicists at RHIC can collide beams of polarized protons to examine the structure underlying the proton's spin.

To learn more about this topic, join Physicist Mei Bai of the Collider-Accelerator Department at 4 p.m. on Wednesday, March 28, when she will give the 423rd Brookhaven Lecture, on "RHIC: the World's First High-Energy, Polarized-Proton Collider."

As Bai will describe, RHIC is designed to collide polarized protons up to an energy of 250 billion electron volts (GeV), thereby providing an unique opportunity to measure the contribution made by the gluon to a proton's spin and to study the spin structure of the quarks and anti-quarks. RHIC has been colliding polarized protons at a beam energy of 100 GeV since 2001. In addition to reporting upon the progress of the polarized-proton program, Bai will focus upon the mechanisms that cause the beam to depolarize and the strategies, such as Siberian snake magnets, that have been developed to preserve the beam polarization.

Mei Bai joined the Collider-Accelerator Department as a research associate in 1999, the same year that she received her Ph.D. in physics from Indiana University. The work she did on her thesis included the theory, experimental demonstration, and explanation of a method using an RF dipole for overcoming intrinsic spin resonances in polarized proton acceleration, which won the 2000 Outstanding Doctoral Thesis Research in Beam Physics Award from the American Physical Society. Since then, she has been contributing to accelerator physics at RHIC. She was named a physicist in January 2005.

To join the lecturer for supper at a restaurant off site after the talk, contact Annabelle Petway, Ext. 4776 or petway@bnl.gov. — Liz Seubert

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 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.

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.

Mon., Thurs., & Fri.: Tai Chi
Noon-1 p.m., B'haven Center North Rm. Adam Rusek, Ext. 5830, 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.

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/.

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 Thorn, Ext. 8612.

Wednesdays: Yoga
Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, 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.

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.

In Memoriam, Tirre Farmer

Tirre Farmer, an Operations Engineer in the Plant Engineering Division, died at age 54 on March 1, 2007.

When Farmer joined BNL on June 28, 1976, he was a patrol officer in the Safeguards & Security Division. In July 1979, he transferred to the then Personnel Division as an apprentice refrigeration and air conditioning (RAC) engineer. After completing the course, he moved to Plant Engineering as an RAC engineer. In September 1987, he was named RAC Supervisor, remaining in that position for two years until he became General Supervisor, Mechanical. In January of 2006, he was promoted to Operations Engineer.

As an RAC engineer, Farmer worked on all mechanical equipment and electrical controls related to air handlers, air conditioners, compressors, heat pumps, towers, chillers, exhaust fans, to list just a few. "When it was too hot or too cold in your office or building, Tirre was the man you wanted," recalled co-workers.

As the General Supervisor, Mechanical, Farmer was responsible for the RAC, plumbing, metal, steam, and insulation shops. He could step in at any time and take over first-line supervision of the shops during supervisor absences. As the Operations Engineer he kept these responsibilities in addition to taking over first-line Supervision of the Chilled Water Plant.

Said Leo Somma, Farmer's supervisor, "Tirre was a big reason why we could keep old equipment running, some equipment

more than 40 years old."

As well as being a skilled mechanic, Farmer was a natural leader over the past 20 years, Somma said. "Tirre got along well with union staff, other supervision, building managers, and engineering staff. Because he was always calm and looked at problems from several points of view before making a decision, he was able to sort things out. He even earned the nickname of 'Father Farmer' from having resolved so many difficult situations."

Farmer was also a valuable member of several Lab committees and initiatives, such as the chilled water planning committee, controls committee, refrigerant management system, and various safety improvement initiatives. He was a proponent of pollution prevention, and



Office of Intellectual Property & Sponsored Research

(cont'd)

prides itself on its ability to work with external sponsors who will utilize and enhance the Lab's research capabilities. Most notably, the partnership between the Lab and NASA provided the opportunity to study the effects of radiation on astronauts.

"Under our 'work for others' program, the NASA Space Radiation Laboratory became a reality at BNL," says Furey. Other examples: Mt. Sinai Medical School has worked with Lab researchers to develop new medical imaging techniques and more than 800 biologists from pharmaceutical companies,

other national laboratories, and universities do work at the NSLS, funded by the NIH.

According to Furey, "These are just a few examples of how our office has worked hard to secure funding, build important partnerships, and position the Lab to expand sponsorship for our research programs. We expect that our 'work for others' activities will be enhanced particularly in the areas of emerging energy technologies, with new research capabilities at the CFN and NSLS-II. The support we have received from DOE's Brookhaven Site Of-

several of his ideas were funded for implementation over the past few years. In 2002, he won an Environmental Stewardship Award for his outstanding efforts and accomplishments in BNL's environmental improvement initiatives, specifically, for leading the effort in replacing ozone-depleting substances.

"Tirre was very active in the Lab's OHSAS 18001 effort. Plant Engineering was one of the prototype groups to get registered, and we owe a lot to him for that and other projects. His advice was sound and took all the circumstances into consideration," commented Somma. "All of us at BNL will miss him and his great sense of humor."

Said Patti Bender, Plant Engineering's Environment, Safety & Health Coordinator, "It

office has helped us streamline our process for entering into agreements with outside organizations. While it remains a challenge to develop new partnerships and obtain funding, I think anything that expands the technology base of BNL and at the same time addresses the research needs of our various sponsors, is well worth our efforts."

If you have questions on Sponsored Research, contact Furey at Ext. 2103 or mfurey@bnl.gov. More information on the Office of Intellectual Property & Sponsored Research is at: <http://www.bnl.gov/techxfer/>. — Jane Koropsak

is with a heavy heart that we say good-bye to our coworker and friend Tirre Farmer. In addition to his many contributions to the projects of the division, he leaves a lasting legacy of volunteerism. He was a BNL United Way Chairperson, a Blood Drive Captain, he worked tirelessly on the 50th Anniversary Committee, he held numerous BERA board and club officer positions and captained many ball teams, most notably, softball and volleyball. He was always taking up a collection for a retirement party or for someone who was in need of a special thought or financial collection for some tragedy. Tirre is a person we will have a tough time to do without."

"I miss Tirre very much," said Ed Murphy, Plant Engineering Manager. "He was a special person because he really cared. He cared about his wife and kids, who he loved deeply. He cared about his job and his co-workers — he freely contributed his fine problem-solving and people skills. He cared about his neighbors and neighborhood and he led our United Way drives. He cared about our world, and he worked to protect it and won environmental awards. He cared about the 'joy of life' and brought his smile to his many sports activities. We will all miss him."

A resident of Mastic, Tirre Farmer is survived by his wife, Linda, of Plant Engineering, children Ryan and Katie; as well as sisters-in-law Cathi McNeely and Lorrie Caruso, and brother-in-law Jim McNeely, all of Plant Engineering. — Liz Seubert

Arrivals & Departures

— Arrivals —

Mohammad BhuiyaBiology
Mario Moscardiello.....Biology

— Departures —

None

Fidelity Investment
Counseling, 3/29

A Fidelity Investment representative will be available at the Lab on Thursday, March 29, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 30-minute appointments by calling (800) 642-7131.

Chronic Pain and the Middle-Aged Employee

Persistent, chronic pain has risen dramatically among full-time workers in the United States in the last decade, rising nearly 40 percent between 1996 and 2006. This increase is caused by the gradual aging of the workforce, as well as more sedentary lifestyles.

Chronic pain is defined as pain lasting at least six months. The causes can vary from arthritis-related pain in one's back, neck, or joints; fibromyalgia; headaches; or from injuries or chronic illness. Sometimes the cause of the pain is unknown.

As a result of living with chronic pain, a person can become depressed, feel hopeless, irritable, or feel just plain worn-out. Often, the pain is not well-managed, or the person might not be aware of the various options that are used to treat chronic pain. Most people are also fearful of becoming addicted to prescription painkillers and thus try to manage the pain on their own. The stress of living with chronic pain can impact family life or marriage, as well as a person's functioning at work.

The Employee Assistance Program (EAP) at BNL would like to help employees who have chronic pain deal with the stress associated with that pain. Those interested in discussing their situation will receive a brief screening, and will be offered individual counseling and/or a chronic pain support group. All interested employees should, of course, be under the care of a physician. For more information, contact EAP, Ext. 4567 or nlosinno@bnl.gov.

Then & Now — Views of Women at BNL



March 1948: “Dr. Ralph Overman removes a bombarded sample from a carrier block from the Brookhaven Graphite Research Reactor. Mrs. Weber measures the samples’ radioactive strength.”

Since the very early days at BNL, as elsewhere, women were hired and fulfilled their job requirements successfully. Mariette Kuper, executive aide, one of the first two employees and the first woman — took responsibility for many administrative decisions of lasting importance to the Lab. Marilyn McKeown, a physics major, was hired in September 1947 in a scientific position in the Electronics Department, and she shared rooms with women who worked in the Biology Department. (See “Then & Now” in the Bulletin of March 2, 2007.)

In line with many women’s qualifications at that time — and since — more women worked in administration than in science. However, in March-April 1948, Isotopics, BNL’s first newsletter, shows “Dr. Robert Steele and Lina Ottolenghi removing germ cells from bulbs in a study on the cells’ sensitivity to x-rays.” Another photo shows “Dr. Leon Sharpe and Anna Torrey using an electroplating apparatus to determine the chemical form of iron passing through the wall of the intestine.” In both cases, the women are assisting, not leading the work.

On the other hand, the October-November 1947 Isotopics contains a good-humored article describing a Lab wife’s account of her attempt to earn extra money. She was selected

for a job, but, according to her, the expenses involved — travel to and from work, a new suit she saw in a shop and bought while returning from her first day, her husband’s taking her out to dinner due to her exhaustion on day two, and the destruction of curtains by a kitten someone gave her at work, resulted in her gross income’s improving by \$18.78, and her husband’s being \$31.72 “in the red.” From the article, it is evident that the wife enjoyed the joke on herself, and knew that others would find it typical of similar events in their own lives.

Soon afterwards, in the Bulletin Board, a humorous series describing the new Lab and its mysterious work is written as if by a ditsy woman employee who is quite satisfied with her “dumb blonde” bewilderment at new research around her. This somewhat condescending view of women was commonplace in the 1950s, 60s, and 70s



Metric Pin-Up, Female (October 4, 1974)



Metric Pin-Up, Male (October 25, 1974)



From the photo caption of July 1948, “Mrs. Carole Moore of Health Physics counts samples to detect radioactivity.”

— and beyond — and it was shared by many women. For many years, nobody thought to object to the Lab’s “Miss BNL” contests, and leggy photos of elegant female staff showed up quite frequently in the Brookhaven Bulletin. One magnificent bikinied young woman appeared in the Bulletin of October 4, 1974, to pep up a new attempt to make the metric system acceptable in the U.S. But times were changing. Such an outcry arose from BNL’s women that a propitiating photo of a splendid swim-suited BNL male quickly (October 25, 1974) appeared to display a masculine form of metrics.

At the same time, these frivolities were recognized as having nothing to do with the accomplishments and contributions of BNL women in science.

One shining example was Gertrude Scharff-Goldhaber, who in 1950 joined the BNL staff as the first woman Ph.D.

A telling professional accolade for her work is found in *The Physical Review, the First Hundred Years*. In this book of 1,000 seminal articles selected by the



Gertrude Scharff-Goldhaber

American Physical Society (APS) and the American Institute of Physics to mark their first century (1893-1994) as the premier journal of physics, Scharff-Goldhaber was author and coauthor of two of the articles.

In addition, she worked to improve the position of women in science, joining an APS committee for that purpose in the 1970s, and helping to found Brookhaven Women in Science, which has become a Lab institution. Scharff-Goldhaber and other brilliant women scientists and able administrators at BNL, with other women elsewhere, changed the norm. Women at BNL now hold top positions as lead scientists, division heads, department chairs, and senior managers.

And for many years, “cheesecake” photos of women have not been seen in the Lab newsletter. They were a “then” thing! — Liz Seubert

Parent Volunteers Needed

To Prepare for Take Daughters, Sons to Work Day

Parent volunteers are needed to help prepare for “Take Our Daughters and Sons to Work Day,” which will be held on Thursday, April 26. Contact Susan Foster, Ext. 2888, foster@bnl.gov or Liz Gilbert, Ext. 2315, gilbert@bnl.gov for more information.

Nayyarson’s Has New Executive Chef at BNL

Ralph Verriest is the new executive chef of Nayyarson’s Food Service, the company that provides food at BNL. Verriest is a graduate from the Culinary Institute of America in New Hyde Park, with more than 35 years of management and culinary experience at country clubs, catering facilities, restaurants, and hotels. Most recently, he was the Food Service Director for Bristol Assisted Living at North Hill. Come by the cafeteria to get a taste of his cooking and say hello.



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

Daughters and sons of ages 10-15 years old are welcome to come to work with their BNL parents on April 26. They will spend the morning with their parents, then, after lunch, they will learn more about the Lab in a program of talks and tours. Parents are invited to volunteer to help organize an interesting experience for all the children. For more information, contact Susan Foster, Ext. 2888, foster@bnl.gov or Liz Gilbert, Ext. 2315, gilbert@bnl.gov.

Bus To Manhattan, 4/15

The BNL Hospitality Committee will take a Do as You Please Trip to Manhattan, on Sunday, April 15. Depart: Recreation Hall, Bldg. 317, 9 a.m.; drop off point: Bryant Park; leave the city: 6 p.m. To reserve, contact Monique de la Beij, mdelabey@optonline.net or 399-7656. Pay on Wednesday, 4/11, 10-10.30 a.m. in the Recreation Hall, or Friday, 4/13, 10-10.30 a.m. in Berkner Hall. Adults: \$10, children up to 12/\$5.

BNL Softballers, Get Ready!

Want to play softball this season? Players with all abilities needed. See www.bnl.gov/bera/activities/softball/ for more information and contact Pat Browne, Ext. 4638.

BERA Summer Camp

Children between the ages of 5 and 14 who are the dependent of a BNL employee, guest, or facility user may be registered for the BERA Summer Camp. The program will run for eight weeks, from Monday, July 2, through Friday, August 24. Campers begin their day at the Recreation Hall, Bldg. 317, at 8 a.m. and must be picked up at the pool entrance no later than 5 p.m. During the camp, certified swimming instructors will offer swim lessons once a week. Daily open swim/gym time will also be available. Applications, with a deposit of \$100 per week, are due by April 13. Payment in full is due on or before June 1. Make checks payable to BERA and mail to the Recreation Office, Bldg. 400. Application forms are available at the Recreation Office, Bldg. 400, or at www.bnl.gov/bera/recreation/forms.asp.

CALENDAR

— WEEK OF 3/26 —

Monday, 3/26

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president’s report.

Tuesday, 3/27

Larry Leipuner Symposium

1 p.m. Physics Dept. Large Seminar Room. “Celebrating the Physics of Larry Leipuner (1928-2006),” organized by William Morse, Physics Department. During the event, Michael Schmidt, Yale University, will talk on “Larry Leipuner as a Mentor; and a Tale of Two Lifetimes,” at 3:30 p.m. To join a buffet dinner after the talks, contact Morse, Ext. 3859 or morse@bnl.gov.

Wednesday, 3/28

“Good Lessons From Bad Women”

Noon. Berkner Hall. For Women’s History Month, BWIS & the Diversity Office present a one-woman play, “Good Lessons From Bad Women.” See page 4.

*423rd Brookhaven Lecture

4 p.m. Mei Bai, Collider-Accelerator Department, talks on “RHIC: the World’s First High-Energy, Polarized-Proton Collider.” All are welcome to this free lecture. Visitors to the Lab of 16 and over must carry photo ID. See page 1.

Saturday, 3/31

Costco Holbrook Opens for BNL

8:30-9:30 a.m. BNlers may enter Costco at Holbrook one hour before normal opening at 9:30 a.m., to see Easter and Passover items, patio/porch furniture, lawn & garden merchandise, more. Free pastries, beverages, no crowds! Non-members are offered membership at \$54.31, with a \$10 Costco cash card that day. Bring your BNL ID.

— 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.

BERA Trips

4/15. Ringling Brothers at Madison Square Garden, \$33.

5/6. *Romeo and Juliet*, New York City Ballet, \$69.

Buy tickets at BERA Store, Berkner.

Give Food by 4/3

The volunteer who picks up food from the Lab community for the Food Drive has had to change the pick-up day to the first Tuesday of the month. For your April gift, please bring in canned goods so that the bins are full before April 3. The needy really need this food.



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/.

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

LABORATORY RECRUITMENT – Opportunities for Laboratory employees

TB4317. SR. ADMINISTRATIVE SERVICES ASSISTANT (A – 3) - Requires an AAS degree or equivalent, six or more years' relevant experience including at least three years as an administrative services assistant. Must have proficiency with PS travel and financials, knowledge of MS office applications (Word, Outlook, and Excel), meeting planning, and a thorough knowledge of Laboratory policies and procedures. Must be able to work independently, prioritize workload, and be highly organized and capable of handling non-routine matters with a high degree of discretion. Responsibilities will include highly complex administrative functions and providing secretarial assistance and support to the Physics Department Chair's office and to the Associate Chair for Nuclear Physics. Will be the Guest Information System Administrator and the Conference Management, Foreign Visits and Assignment Point of Contact for the Department. May direct the work of other support personnel as required. Physics Department.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates.

MK4006. POSTDOCTORAL RESEARCH ASSOCIATE – Requires Ph.D. in physics, materials science, chemistry or a closely related field. Demonstrated experience in transport- or device physics is required. Experience in UHV surface science, scanning probe techniques, or nanowire synthesis/characterization will be regarded as a plus. Will be working primarily on electrical transport in single semiconductor nanowires, measured in a controlled UHV environment in the new CFN UHV Nanoprobe instrument. The particular experimental focus will be on electrical transport and photo-transport measurements in individual nanowires, as well as characterization of device characteristics resulting from hetero-junctions in core-shell nanowire structures. In addition, he/she will be responsible for developing methods for controlled modifications of nanowires (e.g., assembly of core-shell structures), and for in-situ structural/chemical characterization of nanowire samples. Will operate the CFN UHV Nanoprobe instrument, assist in the initial commissioning of the system, develop and implement system modifications (as required to perform the planned experiments), and work to develop new methodology for transport measurements on nanomaterials. Under the direction of P. Sutter. Center for Functional Nanomaterials.

TB4265. INDUSTRIAL SAFETY ENGINEER (MECHANICAL)/PROJECT ENGINEER I (P – 9) - Requires a minimum of a bachelor's degree in mechanical engineering and 10 years' work experience as a mechanical systems safety engineer in an industrial or laboratory setting, a demonstrated ability to initiate and lead projects or programs effectively, and expertise in mechanical systems safety codes/regulations such as ASME, ANSI, and OSHA. Must have excellent written and oral communication skills, knowledge of Microsoft Office (Word, Excel, Outlook, PowerPoint and Access), and ability to perform visual examinations of mechanical devices and test articles. CSP or P.E. license is highly desirable. Will be responsible for the continued development and implementation of the mechanical systems safety programs for compliance with OSHA, ASME, and ANSI standards for a wide range of mechanical systems. Duties will include performing and verifying stress calculations of structures, oxygen deficiency calculations, and balance and moment calculations. Safety & Health Services Division.

TB4005. BUDGET SPECIALIST (A–6, reposting) Requires a bachelor's degree in accounting, business administration, or equivalent, and four years of relevant experience. Excellent written and oral

BWIS, Diversity Sponsor One-Woman Play, 3/28 'Good Lessons from Bad Women'

In honor of Women's History Month, Brookhaven Women in Science (BWIS) and the Diversity Office will present a one-woman play in Berkner Hall, titled "Good Lessons from Bad Women," on Wednesday, March 28, at noon. All are invited to attend the performance by Dorothy Leeds.

Leeds combines an eight-year acting career with 22 years of experience as an executive, business owner, and sales and communications consultant. As an experienced media personality and film critic for MSNBC, Leeds appears frequently on broadcast and cable television, on such programs as NBC's "Today," ABC's "Good Morning America," and CNBC's "Smart Money." Leeds' acting credits include Broadway's hit show, "Stop the World, I Want to Get Off." In her entertaining and provocative show, Leeds takes on the roles of eight so-called "bad" women — some familiar, like Eve, Eleanor Roosevelt, and Mae West, and others, not so well known, such as Emperor Wu, Elizabeth Freeman, Mrs. George Machine Gun Kelly, and Anne Bonney. These unconventional women often did what they felt they had to do, rather than what they were told to do. Lessons can be learned from their courageous acts.

For more information, contact Kathleen Walker, Ext. 7105 or kwalker@bnl.gov.

Dance Social — 'Swingin' Into Spring, 60 Years Hence,' 4/27

In a return engagement after a full-house attendance last year, the 20-piece "Bill Wilkinson & the Long Island Sound Orchestra" will perform during a dance social celebrating BNL's 60th anniversary, in the Brookhaven Center North Ballroom on Friday, April 27, 8-11 p.m. A one-hour beginner dance lesson in East Coast Swing will be given 7-8 p.m., and after the performance, an extra hour of ballroom, Latin, swing, and hustle dance music will be played by a Digital-DJ until midnight. The event is sponsored by the BERA Social & Cultural Club and is open to the public. All visitors of age 16 and over must bring a photo ID.

Tickets cost \$25 each in advance, or \$35 at the door; buy them at the BERA store, Berkner Hall. Cost includes a cold hero buffet, cookies, refreshments, etc. Members of BNL's Association for Students & Postdocs (ASAP) are offered a 50 percent discount. Contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov, for more information.

communication skills, proficiency in Excel and other MS Office products required. Experience with PeopleSoft Financials, including budget, forecast, queries, and reports, is a plus. Must have the ability to work in a team-oriented atmosphere that will provide support for the entire Basic Energy Sciences (BES) Directorate, which includes the Chemistry Department, the Center for Functional Nanomaterials, and the Condensed Matter Physics & Materials Science Department. Responsibilities will include budgeting and financial analysis for Department of Energy's BES funding and other business administrative duties. Basic Energy Sciences Directorate.

RM4209. ASSISTANT ACCOUNTANT (A-4) – Requires a bachelor's degree in accounting with two or more years of related experience and knowledge of GAAP. Proficiency in MS Word, Excel and Outlook as well as good written and verbal communication skills required. Experience with PeopleSoft financial software is desirable. Responsibilities will include but are not limited to processing journal vouchers, accounts receivable assistance, performing monthly account reconciliations, complying with internal/external audit requests and supplying *ad hoc* reports to management as necessary. Will also coordinate and interact with BNL departments and other Department of Energy laboratories. Fiscal Division.

Two Naylorson's Food Service Positions
1) GRILL ATTENDANT & COOK – Part Time, Weekends and Holidays. Hours: 6:30 a.m. to 2:30 p.m. Must have some experience. Call Ext. 3541.

2) UTILITY WORKER, POT WASHER – Full Time, Monday through Friday. Hours: 8 a.m. to 4 p.m. Must be reliable Call Ext. 3541.

Motor Vehicles & Supplies

04 YAMAHA TTR125E - dirt bike, used - 25 hrs., grt starter bike, elec. start, 1 yr. warr. left. \$1,500/neg. Ext. 4548 or 874-8631.

03 HYUNDAI TIBURON - 6-spd. man. trans., sports pkg., fully equipped, excel. cond. 30K mi. \$11,000. Ext. 5149 or 929-0961.

00 TOYOTA SOLARA SE - original owner, excel. cond. 90K mi. \$7,900. 680-5645.

93 FORD F150 - 8' Leer cap, 4X4, V8 (302), a/c. \$2,000/neg. David, 645-5046.

87 CHEVY TRUCK S-10 - body gd. cond., blk & gold, tilt whl, rear sliding wndw, nds sme work, runs well. \$1,000/neg. 744-3569.

Furnishings & Appliances

BABY CRIB - Behrs, bleached oak, matching dresser & hutch. \$50. Joseph, Ext. 3082 or 585-0655.

BUNK BED - black tubular steel frame only, like new. \$40. Ext. 4669.

BUNK BEDS - Broyhill w/3 drawers underbed storage \$25. Joseph, Ext. 3082 or 585-0655.

COMPUTER STATION - Oak veneer finish, w/pull-out side drwr/shelf, store cabnt top rt, excel. cond. \$75. Mary, Ext. 6344.

DINING ROOM SET - IT Prov. Fruitw'd. oval table 66"x44" + 2 leaves 18", 6 chrs, lighted china closet. \$1,000 obo. Geri, 286-2117.

RANGE - Tappan, elec., self cleaning oven, almond, excel. cond., \$100. 744-5553.

Audio, Video & Computers

CAR STEREO - DuraBrand, in-dash, CD/MP3/CDR-RW playback w/MP3 display, 45Wx4, barely used. \$100. 434-5824.

CAR STEREO - Pioneer, 50W/channel, CDR-RW/MP3/WMA playback, satellite/iPod compat., more, \$180. Laura, Ext. 7843.

PRINTERS - Lexmark Z54 \$25; Z65 network or USB, needs ink, \$10; Minolta 1350 laser, \$20. Steve, Ext. 4719.

Sports, Hobbies & Pets

BALANCE BOARD - "Vew-Do" updated version of the bongo board. \$40. Brian, Ext. 4721.

ELEPHANT TRAINER - Weslo. \$25. Joseph, Ext. 3082 or 585-0655.

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

FISH TANK - 30 gal., w/stand, good cond. \$50. Bert, Ext. 5474 or 581-4436.

UNIVERSAL FITNESS HOME GYM - \$450/Ironmaster self spotting weight lifting system \$350. David, 645-5046.

Miscellaneous

HOT TUB - Cal Spa, 7x7 ft., 40 jets, 7 person, great cond. New \$7,000. \$3,500, firm. 929-1981.

LAS VEGAS SLOT MACHINE - Triple Triple Diamond (9x, 81x). From Las Vegas. IGT, 25 cents, 3 coin max, bill acceptor. \$800. Rick, Ext. 3005.

TICKETS - 2 for Christina Aguilera at Nassau Coli., 4/7, 7:30 p.m., sec 320, row J \$141.75/pair. Luke, Ext. 2238 or 516-315-5529.

Happenings

CHORAL CONCERT - Huntington Choral Society Concert, 4/21 at Huntington HS, \$18 or \$20 at door. Lee, Ext. 6306 or 897-7930.

TALK ON QUARK-GLUON-PLASMA - at Long Island Science Center, Rvrhead, Fri. Mar. 30, 7:30 p.m. by Peter Steinberg, BNL Chem. Dept. Talk followed by discussion, refreshments. All welcome. To reserve space, call 208-8000. \$5 donation suggested.

Wanted

CAR RAMPS - new or used ramps for moderate weight Honda coupe. William, Ext. 7139.

LAWN MAINTENANCE PERSON - To maintain and care for lawn in Riverhead, Flanders area. Ext. 7991 or 208-1131.

Workshop at Noon Today, 3/23 Tax Assistance for Visiting Foreign Nationals

The Quality of Life/BERA/Recreation Office is sponsoring a workshop on "Tax Assistance for Visiting Foreign Nationals," today, Friday, March 23, at noon in Berkner Hall, Room B. The presentation will be given by Mark Israel, CPA, and Deborah Johnson, CPA. To register, contact Christine Carter, Ext. 5090.

BERA Swim Lessons

Swim lessons are available for children or grandchildren of all Lab employees, retirees, visitors and facility users. The child must be about 42 inches tall and thus able to stand flat-footed in the shallow end of the pool, with mouth above the water. Each child will be scheduled for a one-hour swimming lesson every week for eight weeks, starting July 2. American Red Cross certificates will be awarded to those children who qualify. Your application and check of \$80 made payable to BERA is due on or before June 1. Application forms are available at the Recreation Office, Bldg. 400, or at www.bnl.gov/bera/recreation/forms.asp.

MOTHER'S/FATHER'S HELPER - Seek HS student (near Rocky Point) to help with twin toddler boys for trips to parks, museums, etc. Dorene, Ext. 4153.

PATENT ATTORNEY - design complete, prototype almost complete. Michelle, Ext. 4905.

TECHNOLGY HELP FOR STUDENTS - Someone familiar with Bluetooth-cell phone programming to advise high school technology students. Doug, Ext. 2262 or 474-3846.

WASHER AND/OR DRYER WANTED - good cond., don't care about color or scratches. J. F., Ext. 4986.

Free

PRINTER - Brother MFC-3420 all in one printer, needs print head, good ink cartridges. Steven, Ext. 4719.

Lost & Found

LOST: SUNGLASSES - in blue case, lost betw. Acc. Payable and Chemistry parking lots on Friday, 3/16. Anne, Ext. 2456.

For Rent

BROOKHAVEN - charming house in Brookhaven Hamlet, very quiet area, use of kitchen, washer dryer, rent includes all. \$520/mo. \$520/mo. Sidney, 286-4028.

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

EAST PATCHOGUE - 1-bdrm. apt., pvt. ent., l/r, kit, bath, walk to water, heat and water incl., 1 mon. sec. \$950/mo. 484-2990.

ROCKY POINT - 1-bdrm. bsmt. apt., kitchenette, pvt. ent., off-street prkg., pets ok, temp ok, avail furnished or unfurnished. \$775/mo. Donna, 398-8024.

LENEX, MA - Timeshare, Nov. 17-24, 2 bdrm., 2 bath, maximum 6 people. \$900/wk. Thomas, 909-1498.

N. MYRTLE BEACH, SC - 1-bdrm condo, sleep 4+, new bath, rugs & washer/dryer, clean, near beach, great location. \$300/wk. 929-1981.

For Sale

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, indr, outdr pools, tennis, golf, updated 3 bdrm., 1.5 bath, l/r, d/r, kit., deck, on 6th hole. \$334,900/neg. Ext. 3995 or 696-4366.

MILLER PLACE - 4-yr., post modern Colonial, 5 bdms., 2.5 baths, cac, hd. wd. flrs., granite eik, marble mbth, bsmt., 3/4 landscaped acre, MPD, 15 min. to Lab. \$789,900/neg. 642-8043.

MT. SINAI - 4-bdrm., 1.5-bath, 2-story brick house, 3,640 sq. ft. on 3.4 acres, oak flrs, t/p, full bsmt, 2-car gar., barns, fruit trees. \$1,150,000 473-3839.

'B-N-L 6-0' Photo Rescheduled To Tuesday, May 1

The original date for the BNL-60 human formation photo/video op had to be changed due to the weather, so a new date has been scheduled for Tuesday, May 1st. The rain date is Thursday, May 3rd. Keep posted on the latest news on 60th events and articles through the webpage: www.bnl.gov/60th/events/photo.asp.

Aqua Aerobics News

An 11-week session of aqua aerobics starts in April, at \$30 for once a week, and \$50 for twice a week. Sessions will be held on Tuesdays and Thursdays, 5:15-6:15 p.m. at the pool, Bldg. 478.

Tues: 4/10, 4/17, 4/24, 5/1, 5/8, 5/15, 5/22, 5/29, 6/5, 6/12, 6/19.

Thurs: 4/12, 4/19, 4/26, 5/3, 5/10, 5/17, 5/24, 5/31, 6/7, 6/14, 6/21.

Children Swim Free During Spring Break

During the Spring Break, April 2-7, the BNL community are invited to bring their children to the pool to swim free from 5:30 p.m. to 8:30 p.m. Parents pay \$3.

For more information, call Ext. 5090.

SHOREHAM - 4-bdrm., 2.5-bath Col., formal l/r & d/r, den, fin. Bsmt., 2-car gar., igs. \$589,000/neg. Don, 821-3320.

SUN VALLEY EAST, FL - Boynton Beach Condo, 55+ 1800 sq. ft., 2/2+den. move-in ready, walk to club house, pool and tennis. \$199,999 561-495-0187.

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.

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

NAYYARSONS DINING at BROOKHAVEN CENTER - full menu dinners 5-8 p.m.; specials 5-6:30 p.m. 3-course, wine/soda, coffee, \$10.95 or \$9.95 (no take out); Weds. rib-eye steak, veg., Bud. \$11.95, all plus tax.

In Appreciation

The family of Tirre Farmer expresses sincere thanks to all who sent cards, gifts, flowers, plants, and warm wishes during Tirre's illness and after his passing. It meant a great deal to us and we will long remember your kindness and heartfelt sympathy.
— Linda Farmer

I want to express my special thanks to Ray Hernandez and the staff members who stayed during the snow/ice storm Friday evening so that my Workshop Participants were still able to have their dinner. And to Pat and Brenda - Thanks so much for being there Saturday morning after the ice storm to be able to provide my Workshop participants with hot coffee and snacks. Also, to Joe Fortunato and the Grounds Crew - Thank you so much for the help early Saturday morning, especially with getting the roads / sidewalks / parking lots cleared for my Workshop.
— Pam Esposito

I want to express my most sincere appreciation to everyone who attended my retirement party and to those who wanted to go but were unable to attend. I was, at the same time quite overwhelmed, grateful, and humbled by what people said to me both privately and publically. You will never know how much that evening means to me. I have been very blessed with a wonderful and fulfilling career and I thank everyone who has been a part of these 29+ years. The Lab has been my home for all these years and Human Resources has been my family. For this I will be forever thankful.
— Marsha R. Kipperman

The classified ads on BNL's intranet at <http://intranet.bnl.gov/ads/displayAdsAll.asp> include a list of services off. These ads cannot be seen from off the Lab site. For a list of services to be e-mailed to you, send a request to bulletin@bnl.gov or phone Ext. 2346.