



Walter Copan and Christine Brakel

Licensing BNL Technologies From the Lab to the marketplace

"There is an increased awareness of the importance of inventions at BNL," said Walter Copan, Manager of BNL's Office of Technology Commercialization & Partnerships (TCP). "We are encouraging our inventors to be recognized for their discoveries, and we have a new approach to help find them. We are forming innovation task forces to identify potentially valuable BNL research outcomes and inventions."

In the innovation task forces, two TCP staff members are assigned to work closely with each scientific department in reviewing its research portfolio, capabilities, and inventions, to see where these may lead. The TCP staff will also identify potential for new collaborations and determine which aspects could have future commercial value.

Even if an invention is not ready for the marketplace, there are still important reasons to prepare a "Record of Invention" early and work with the Lab's Intellectual Property Legal Group, which works closely with TCP, to patent it. Patented discoveries build recognition for BNL and the inventors, and they can bring in important new partnerships and new funding. They can also lead to unexpected inventions along the way that are commercially valuable.

Platform Technologies

Enabling discoveries that are patented, and which can lead to multiple pathways of use and impact, are known as "platform technologies." BNL also seeks to patent inventions in its strategically important research and discovery areas. As an initial token of appreciation, BNL inventors receive a cash prize of \$100 when their Record of Invention is prepared as a provisional patent application, and \$300 when a full non-provisional patent application is submitted.

Licensing Patents

When an invention is patented, TCP specialists will actively market it to find a company to license it. Companies are increasingly looking to national labs and universities as their sources for new technologies. BNL's scientists often have on-target insights about which companies might be interested in their research. These companies will often be the first to hear about BNL's inventions when they are patented. The

BNL has more than 100 technologies available for licensing, in biotechnology and health, environment and energy, electronics and instrumentation, and materials chemistry

licensee could actually be a start-up company which will be built around the BNL invention, or it might be an established small business, or a large multinational corporation. The licensee will further develop the technology for commercial use, often in partnership with BNL under a cooperative research and development agreement (CRADA) or another sponsored research arrangement.

BNL's licenses may be non-exclusive, which means that many companies may obtain rights to use or commercialize the invention, or exclusive, when specific rights are offered only to one company. A single patent may actually have multiple exclusive licensees, each for a particular use. For example, a single BNL catalyst invention might be used in fuel cells, or in the production of many kinds of chemicals, or for renewable fuels.

Patents are held for BNL in the name of Brookhaven Science Associates, the Lab's management contractor for DOE. BNL scientists currently have more than 200 issued or pending patents. Of these, 80 patents have been licensed, and there are more than 400 active license agreements, the majority of which are non-exclusive licenses to BNL's platform technologies. About 35 percent of BNL's licensed inventions have been commercialized so far.

For example, licensed inventions have included red-blood-cell labeling kits that are used...

See *Technology Licenses* on p. 3

BNL Hosts 'State of the Lab' Event Results from economic impact report for BNL announced

BNL held a "State of the Lab" event Friday, March 4, and used the opportunity to stake out the Lab's growth agenda and introduce the latest economic impact report to elected officials and other Long Island leaders, the media, and the Lab community. The report, prepared by New York City-based independent economic consulting firm Applesseed, details the Lab's economic impact on Long Island and New York State overall.

Hosted by Deputy Director for Science & Technology Doon Gibbs, the event featured comments from Lab leaders and national, state, and local officials, including DOE Brookhaven Site Office Manager Mike Holland, U.S. Representative Tim Bishop, New York State Senator Ken LaValle, and Brookhaven Town Supervisor Mark Lesko. Applesseed President Hugh O'Neill presented the economic report.

Congressman Bishop asserted his support for the Lab and the work done by its scientists.

"You all recognize the value this Lab holds for our region, for our state, and for our country," Bishop said, stressing that the impact of the Lab goes well beyond its role in the local economy, including the impact on science, on research, on innovation, and on pushing back the frontiers of knowledge.

As Holland emphasized, the Lab earns its investment dollars through its work product and its vision. "Why does the Department of Energy's Office



Doon Gibbs



Mike Holland



Tim Bishop



Ken LaValle



Mark Lesko



Hugh O'Neill

of Science invest so heavily in Brookhaven?" Holland asked the assembled crowd. "Because the Laboratory is very well managed. The leadership team and BSA have put together a fantastic vision and plan."

The impact the Lab has on Long Island and the State is well understood by regional leaders, who turned out for the event to show their support.

"We are privileged to have this Laboratory here on Long Island," said LaValle. "The Lab is a vital building block in our technology and economic strategy." BNL plays a central role in the Senator's goal to create a Long Island innovation highway, which, as he explained, includes Stony Brook University's Calverton and main campus

operations as well as North Shore-LIJ's hospital and health research operations.

And Lesko summed up how most local leaders and BNL staff understand the importance of the Lab to the region.

"When you look at other innovation economies throughout the country that are regionally based, the most successful ones typically involve assets like national labs," Lesko said. "I was talking about the Accelerate Long Island initiative with the editorial board of *The New York Times* recently, and they uniformly agreed that the game-changing asset not just on Long Island but in the New York City metropolitan region is, in fact, this Lab."

See *State of the Lab* on p. 2

467th Brookhaven Lecture, 3/16

Assamagan on Particle Physics at the LHC, Possible Implications for Development in Africa

The Large Hadron Collider (LHC) at CERN, the European particle physics laboratory near Geneva, Switzerland, is the world's largest particle accelerator, built to help answer many of the most fundamental questions in physics. One of its seven detectors is ATLAS, an enormous experiment built with significant contributions from BNL. ATLAS's main goal is to find a particle called Higgs, which may be the source of mass for all matter. Thousands of scientists and engineers from over 100 countries as well as hundreds of universities and laboratories work at the LHC.

Among the countries becoming members of LHC experiments was South Africa, which joined the ALICE experiment in 2001. Then, during August 2010, in Stellenbosch, South Africa, the first African School of Physics held classes on fundamental physics and its applications. Students were selected from all over Africa and beyond, and although many were pursuing or had completed physics degrees, they lacked opportunities to gain specialized knowledge in subatomic physics.

The school was funded by institutes in Africa, Europe, and the USA, and scientists from these areas were invited to lecture on proposed topics. Among these



Ketevi Assamagan

Roger Stoutenburg

welcome to this free event, open to the public. Refreshments will be offered before and after the talk. Visitors to the Lab of 16 and over must carry a photo ID.

During his talk, Assamagan will describe, as he did in Africa, the LHC and ATLAS and BNL's role in this experiment. As a member of the international organizing committee for the African School of Physics, he will also explain how the school's basic aim — to help improve the quality and availability of higher education in Africa — is achieved by having scientists talk about the excitement of research to the students, inspiring them to teach others upon returning to their home institutions. The founders of the school believe that training in fundamental physics could help students achieve careers in industry or education, as well as in basic research.

Assamagan, who was born in Gabon, Central Africa, and grew up in Togo, West Africa, earned his Ph.D. in physics from the University of Virginia in Charlottesville in 1995. He joined BNL in July 2001.

To join Assamagan for dinner at a restaurant off site after the talk, contact Linda Feierabend, feierabe@bnl.gov or Ext. 4887.

— 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.
- Events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermed., Adv. classes, various times. All welcome. Learn English, make friends. See <http://www.bnl.gov/esol/schedule.asp> for schedule. Jen Lynch, Ext. 4894.

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Pay as you go. Ext. 2873.

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

Noon-1 p.m., B'haven Cntr (Bldg. 30), N. Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tues.: Hospitality Welcome Coffee

10:30 a.m.-noon. Rec Hall (Bldg. 317). Meet over coffee. Children welcome. Ext. 2873.

Tuesdays: Zumba

Noon-1 p.m., in the gym (Bldg. 461). Registration required, Ext. 2873.

Tuesdays: Knitting Class

2-4 p.m. Rec Hall (Bldg. 317). Learn to knit/crochet — all skill levels. Free. Ext. 2873.

Tuesdays: Toastmasters

Two monthly meetings: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Room 160. Guests and visitors welcome. <http://www.bnl.gov/bera/activities/toastmasters/>.

Tuesdays & Thursdays: Aerobic Fitness

5:15-6:30 p.m. in the Rec. Hall (Bldg. 317). \$5 per class, or 10 classes for \$40. Pat Flood, Ext. 7886 or flood@bnl.gov.

Tues., Wed., & Thurs.: Rec Hall Activities

5:30-9:30 p.m. in Bldg. 317. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Tuesday & Thursday: Aqua Aerobics

5:30-6:30 p.m., Pool (Bldg. 478). Registration required, Ext. 2873.

Wednesdays: Ballroom Dance

5:15 p.m., 6:15 p.m., and 7:15 p.m. N. Ballroom, Brookhaven Center (Bldg. 30). <http://www.bnl.gov/bera/activities/dance/default.asp>.

Wednesdays: Pilates

5:30-6:30 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

Wednesdays: Play Group

10 a.m.-noon. Meet at Rec Hall (Bldg. 317). Parents meet while infants/toddlers play. For events, see <http://www.meetup.com/BNL-Playgroup/>, or call Ext. 2873.

Wednesdays: Yoga

Noon-1 p.m., B'haven Center (Bldg. 30). Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

1st Wednesday of month: LabVIEW

1:30-3 p.m., Bldg. 515, 2nd fl. Seminar Rm. Free technical assistance from LabVIEW consultants. Ext. 5304, or Terry Stratoudakis, (347) 228-7379.

Thursdays: BNL Cycletrons Club

5 p.m., Brookhaven Center. First Thurs. of month. Tim Devine, Ext. 2350.

Thursdays: Reiki Healing Class

Noon-1 p.m., Call for location. Nicole Bernholz, Ext. 2027.

Thursdays: Postdoc Social Night

6:30 p.m. ASAP Lounge (Bldg. 462). www.bnl.gov/asap.

Fridays: Family Swim Night

5-8 p.m. Pool (Bldg. 478). \$5/family. Ext. 2873.

Arrivals & Departures

— Arrivals —

Xiang LiChemistry
James McNaughtonSite Res
Alexey Suvorov Photon Scis
Xuebin ZhangBiology

— Departures —

David Derryberry C-AD
Chih-Hsuan ChangChemistry

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on March 16, 21, and 29 to answer employees' questions about their financial matters. For an appointment, call 1-800-732-8353 or go to www.tiaa-cref.org/bnl and select "set up a meeting."

BNL Retirees' Luncheon, 6/15

Mark the date! The Brookhaven Retired Employees Association (BREA) Luncheon Committee is pleased to announce the eighth annual get-together BREA Luncheon, to be held on Wednesday, June 15, at the Bellport Country Club. More details will follow.



R.S. 00540311



R.S. 00510311



R.S. 00680311



R.S. 00110311



R.S. 00310311

All from left: 1. DOE Brookhaven Site Office Manager Mike Holland and Stony Brook University (SBU) Associate Vice President for Brookhaven Affairs Michael Marx; 2. Riverhead Councilwoman Jodi Giglio and Associate Laboratory Director for Photon Sciences Steve Dierker; 3. New York State Senator Ken LaValle and Long Island Association President Kevin Law; 4. Assistant Laboratory Director for Environment,

Safety & Health George Goode, and Riverhead Councilmen James Wooten and George Gabrielsen; 5. Deputy Laboratory Director for Operations Mike Bebon, former BNL Director and Presidential Science Advisor John Marburger of SBU; Assistant Laboratory Director for Community, Education, Government, & Public Affairs Marge Lynch, and U.S. Representative Tim Bishop.

State of the Lab from p. 1

As Lesko clarified, the Accelerate Long Island initiative brings together leaders from the Lab, Stony Brook University, Hofstra University, Cold Spring Harbor Laboratory, and North Shore LIJ Health System in an effort to commercialize innovations at Long Island's major research institutions.

Deputy Director Gibbs was very clear with his message and his gratitude to the local officials for their support.

"We're very lucky to have local elected officials who value



See the video online: <http://real.bnl.gov/ramgen/bnl/2011/03/Lab.rm>

the Lab for its ability to create jobs and strengthen the communities' economies," Gibbs said. "Our strategy is to grow the Lab. Part of our strategy is to have impact through commercialization of our discoveries. This in turn has impact on the economy. In this way, the Laboratory has made important strides in the last several years."

Gibbs then introduced Appleseed President Hugh O'Neill,

who provided an overview of the Lab's economic impact on Long Island and New York State to the assembled media and officials, who included Riverhead Town Supervisor Sean Walter; Riverhead Town Councilmen George Gabrielsen and James Wooten, and Councilwoman Jodi Giglio; former New Hyde Park Mayor and current Executive Director of the Nassau County Village Officials Association Warren

Tackenberg; and Long Island Association President Kevin Law. Gerry Petrella joined the occasion on behalf of U.S. Senator Charles Schumer, Kristen Walsh on behalf of U.S. Senator Kirsten Gillibrand, Bill Doyle on behalf of New York State Senator Lee Zeldin, and Bill Faulk on behalf of Suffolk County Legislator Ed Romaine. Also, in addition to the media and other BNL personnel present, more than 700 members of the BNL community viewed the event online.

Read about the Economic Impact Report below. — Will Safer

Economic Impact Report: Brookhaven Lab Is Crucial For State and Local Economic Growth
Lab generated 5,400 jobs in New York State; 5,190 of them on Long Island in 2009

BNL has a significant impact on the economy of Long Island and New York State, according to a report issued by Appleseed, a Manhattan-based consulting firm. The report, titled "Meeting National Needs, Creating Opportunities for Growth," can be viewed at www.bnl.gov/economic. For a print copy, call (631) 344-3129.

The Appleseed report covers fiscal year (FY) 2009, which includes the period October 1, 2008 to September 30, 2009. During that period, the economic output generated by BNL and its visitors amounted to \$704 million, and the Lab created 5,400 jobs throughout New York State — 5,190 of them on Long Island. Supporting local and state businesses whenever possible, BNL also spent \$212 million on purchases of goods and services in FY2009; \$75.2 million of this total was spent in New York State, including \$62.7 million on Long Island.

Lab Director Sam Aronson said, "This report from Appleseed shows that the Laboratory is a major source of jobs and has tremendous economic significance for Long Island and New York State. Brookhaven Lab is one of the largest employers in Suffolk County, and together with Stony Brook University and Cold Spring Harbor Laboratory, we are helping Long Island to remain a leader in science and technology."

Owned and funded primarily by DOE, BNL is one of New York State's largest scientific research centers. Located on a 5,300-acre site in central Long Island, the Lab employs more than 3,000 full-time workers and is host to

See comments from elected officials and community leaders online: http://www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=1241

just as many visiting researchers each year from universities, industry, and governmental agencies that use its world-class facilities. Home to seven Nobel Prizes, the Lab conducts basic and applied research in the physical, biomedical and environmental sciences, as well as energy technologies and national security.

Mike Holland, Manager of DOE's Brookhaven Site Office, said, "The Department of Energy's mission at Brookhaven is to support cutting-edge science and research and to marshal the brightest minds to discover and deliver new solutions to our nation's challenges. This strategic investment encourages innovation, promotes prosperity, and enhances our national security."

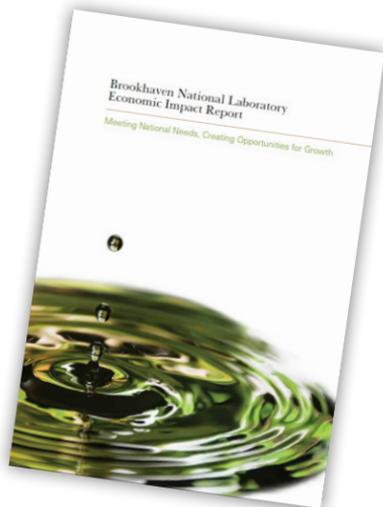
During FY 2009, the Laboratory's total funding was \$573 million, of which about 96 percent came from DOE and other federal agencies. At that time, BNL employed 2,893 people, and the Lab's annual payroll totaled \$250 million. From 2006 to 2009, when New York State and Long Island were losing jobs, the Lab's workforce grew by 12 percent.

The Appleseed report provides statistics on Brookhaven Lab's direct spending as well as secondary economic impacts of spending, also known as the "ripple effect." The report's highlights include:

- Brookhaven Lab spent \$212

million on purchases of goods and services (other than construction) in FY2009. Of this total, \$75.2 million was spent in New York State, including \$62.7 million on Long Island.

- Brookhaven Lab invested \$74.7 million in new construction and renovation of existing facilities in FY2009. Of that amount, \$45.1 million was spent in New York State, including \$34.9 million paid to contractors on Long Island.
- Off-site spending by visitors to Brookhaven Lab directly and indirectly accounted for an estimated \$9.5 million in economic output and 97 jobs on Long Island in FY2009.
- In total, the direct, indirect, and induced impact of spending by Brookhaven Lab and its visitors in FY2009 generated an estimated \$704 million in economic output and 5,400 jobs in New York State, of which \$647 million in economic output and 5,190 jobs were generated on Long Island.
- If increases projected in spending on payroll, purchasing and construction are realized — and assuming levels of spending by visitors remain the same — it is estimated that between 2010 and 2014, Brookhaven Lab will generate, on an average annual basis,



\$947 million in economic output and 7,092 jobs throughout New York State, including an economic output of \$849 million and 6,531 jobs on Long Island.

Provided that federal funding is sustained, the Lab's state and local impact is expected to be even greater within the next decade. The planned construction of new state-of-the-art facilities, such as the National Synchrotron Light Source II, will enable scientists to perform research to address national challenges in energy, medicine, environmental science, and other crucial areas. Also, Brookhaven Lab has made a strong commitment to increasing its capacity to bring its discoveries that have commercial value to the marketplace. Between 2004 and 2009, Brookhaven Lab's technologies generated \$42 million in gross licensing revenue. Currently, about 100 technologies at the Laboratory are available for licensing. — Diane Greenberg



Christine Aidala



Antonio Checco

DOE Energy Blog Features RHIC's Aidala, BNL's Checco

Christine Aidala

A clarinetist, bassoonist, and a nuclear physicist at Brookhaven's Relativistic Heavy Ion Collider, Christine Aidala discusses her love of music and proton spin in a Q&A posted early in March on DOE's Energy Blog at <http://blog.energy.gov/>.

At RHIC, Aidala — a scientist from Los Alamos National Laboratory — is exploring proton spin, a puzzling quantum property that describes a particle's intrinsic angular momentum. Like charge and mass, it's part of a particle's identity, whose magnitude is the same for all particles of a given type. But unlike

charge and mass, spin has a direction that can be oriented differently for individual particles of a given species. Yet despite the fact that proton spin is used in everyday applications like magnetic resonance imaging (MRI), exactly how — and how much — the individual particles that make up protons contribute to spin remains a mystery.

Aidala describes her work in this field, as well as her favorite musical composition, in Energy Blog's new series, "10 Questions," at <http://blog.energy.gov/blog/2011/03/03/10-questions-nuclear-physicist-christine-aidala>.

— Kendra Snyder

Antonio Checco

Why is Antonio Checco's desk wrapped in aluminum foil? A Q&A posted in early February on DOE's Energy Blog at <http://blog.energy.gov/> gives you that answer and many more items about Checco's life as a physicist in BNL's Condensed Matter Physics & Materials Science Department.

As part of the soft matter group, Checco explores the nanoscale effects of wetting — the ability of a liquid to maintain contact with a solid

surface. Although scientists understand relatively well the physics of wetting at the human scale, the picture is less clear when things shrink to the size of a nanometer (one billionth of a meter).

Checco describes his work in this field, as well as his love for cappuccino, in the first installment of Energy Blog's new series, "10 Questions."

Read the Q&A at <http://blog.energy.gov/blog/2011/02/03/10-questions-physicist-antonio-checco>.

— Kendra Snyder

Technology Licenses from p. 1

...worldwide in over two million diagnostic medical procedures each year. Gamma- and x-ray imaging systems incorporating patented Application Specific Integrated Circuits, or ASICs, for medical and homeland security applications are being developed and sold by several different Brookhaven licensee companies. BNL's most sought after technology to date is the bacteriophage T-7 protein expression system. This series of inventions describes a system of host cells and vectors, which are widely used in research and to manufacture recombinant proteins. These products are used in biomedical research, industrial processing, diagnostics, and therapeutics that improve human and animal health. The series of inventions was BNL's first licensed platform technology and continues to have major impact today.

"Over time, almost 900 companies have licensed the T-7 system, by far the most economically successful invention at the Lab," said Christine Brakel, TCP senior licensing specialist. "We hold several patents for the technology, some of which have expired, but the last one remains in effect until December of 2014."

Six Years, \$50 Million

From 2004 to 2010, BNL licensed technologies generated about \$50 million in gross revenue for the Lab. In FY2010 alone, licensed technologies earned BNL a gross income of about \$7.5 million. This income is shared among the inventors, the BNL departments in which the invention arose, and the remainder goes to the Laboratory. After

patenting and licensing expenses are reimbursed, and after any co-owners of the patent (if any) are paid their share of the net income, the net remainder of the income is distributed to inventors, to the inventors' departments, and to the Laboratory. Royalty income to inventors is distributed as follows: 50 percent of the first \$100,000; 25 percent of the next \$400,000; 15 percent of the next \$2 million; and 10 percent thereafter. The inventors' departments receive 40 percent of the balance, and the remaining 60 percent goes to BNL's strategic research and deployment, maturation of promising technologies, and support for the Lab's educational mission.

100+ Ready for Licensing

More than 100 BNL technologies in the areas of biotechnology and health, environment and energy, electronics and instrumentation, and materials chemistry are currently available for licensing. TCP actively markets technologies ready for commercialization — through news releases, websites and publications, marketing packages, business organizations, networking, and with support from Long Island and New York State agencies, Stony Brook University and Battelle.

Personal connections are highly important in marketing. "Often the very best marketers of the technologies are the inventors themselves," Copan said.

For more information about inventions and BNL's technologies available for licensing, see the Office of Technology Commercialization and Partnerships website: www.bnl.gov/tcp/.

— Diane Greenberg

Aqua-Therapy For Active Seniors

A low-impact, aerobics-based class for active seniors will be held at the pool, Bldg. 478, on Wednesdays, from 9 to 10 a.m., from April 6 through June 22. The fee is \$60, and advanced registration is required. Please make checks payable to BERA and mail to: Recreation Office, Bldg. 400A, BNL, Upton, NY 11973.

Reminders From the Benefits Office

Deadline for 2010 Reimbursement Account Claims

The Benefits Office would like to remind the Lab community that March 31 is the deadline for submitting any 2010 reimbursement account claims. Claims incurred in 2010 should be sent to PayFlex. Instructions and forms are available from the Benefits Office website: <http://www.bnl.gov/hr/Benefits/ReimbursementAccounts.asp>.

Adding New Dependents

The birth of a child, adopting a child, and getting married are all exciting life events. Please remember to enroll any new dependents in your medical and/or dental programs within 30 days from the date your new dependent is born, adopted, or otherwise becomes eligible for coverage. If you do not enroll your dependent through the Benefits Office within 30 days from the date your new dependent first becomes eligible, you will be required to wait until the next Open Enrollment Period. For more information, please call the Benefits Office: Ext. 2877 or 5126.

Tax Assistance Workshop For Visiting Foreign Nationals

A workshop to offer assistance to foreign nationals filing taxes will be sponsored by the Quality of Life/BERA/Recreation Office on Wednesday, March 23, at noon in Berkner, Room C (Bldg. 488). Internal Audit & Oversight Office Director Mark Israel will give a presentation and beverages will be provided. To register, call the Recreation Office (Ext. 2873). For a copy of the 1040NR Form, go to www.irs.gov/pub/irs-pdf/i1040nr.pdf, and additional information can be found online: www.irs.gov/forms-pubs/lists/0,,id=97817,00.html.

Volunteers Needed For Middle School Science Bowl, Hydrogen Fuel Cell Car Challenge, 3/19

Everyone, including family and friends, is welcome to volunteer aid on Saturday, March 19, when BNL will host a Middle School Science Bowl and Hydrogen Fuel Cell Car Challenge.

Volunteers with science backgrounds are especially needed to act as moderators and science judges. Other positions required include timekeepers, scorekeepers, rules judges, runners and general crowd control. For more information or to volunteer, please contact Catherine Osiecki, cathyo@bnl.gov or Ext. 3054.

American Red Cross Lifeguard Training

Lifeguard training classes will be held at the pool (Bldg. 478) on Sundays, 10 a.m. to 3 p.m., from March 27 until May 15. Participants must be at least 15 years old, pass a pre-test held on Sunday, March 20, from 10 a.m. to 1 p.m., and attend every class. Call 631-921-6218 to register.

Donations Needed To Support Troops

The AdoptaPlatoon team in the Brookhaven Veterans Association (BVA) is collecting lip balm, baby powder, and instant drink mix in individual stick packages for the Lab's adopted platoon. Drop off gifts in boxes located at Bldg. 490, clinic; Bldg. 400, lobby; Bldg. 488, lobby; and Bldg. 510, library. Monetary donations are greatly appreciated as well, and can be sent to: BVA, memo: "troops" P.O.Box 671, Upton, NY 11973.

CALENDAR

Today, Friday, 3/11

BrookhavenSphere Seminar

11 p.m. Berkner Hall, Room B. Neurologist William Lytton of SUNY Downstate Medical Center will give a talk "Neuroexpressionism — How Data Mining and Simulation Provide Multifaceted Views of the Brain." All the Lab community is welcome.

— WEEK OF 3/14 —

Wednesday, 3/16

*467th Brookhaven Lecture

4 p.m. Berkner Hall. Ketevi Assamagan of the Physics Department will talk on "Experimental Particle Physics in the LHC Era and Possible Implications for Development in Africa." All are welcome to this free talk, open to the public. Refreshments will be available before and after the talk. Visitors to the Lab of 16 and older must carry a photo I.D. See p.1.

— WEEK OF 3/21 —

Wednesday, 3/23

BSA Noon Recital

Noon. Berkner Hall. Stony Brook Opera, directed by David Lawton, will perform Sheila Silver's *The Wooden Sword*, and Peter Winkler's *Fox Fables*, which is based on Aesop's Fables. All are welcome to this free concert, sponsored by Brookhaven Science Associates and open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

Books Are Fun Fair

10 a.m.-2 p.m. Berkner Hall lobby. New books and gifts at discounted prices.

Thursday, 3/24

Books Are Fun Fair

10 a.m.-2 p.m. Berkner Hall lobby. New books and gifts at discounted prices.

Talk: Communication in Bacteria

4 p.m. Berkner Hall. Bonnie Bassler, Howard Hughes Medical Institute investigator and Squibb Professor of Molecular Biology at Princeton University, will give a talk, titled "Tiny Conspiracies: Cell-to-Cell Communication in Bacteria," Sponsored by Brookhaven Women in Science, the talk is free, and no pre-registration is required. All visitors to the Laboratory age 16 and older must carry a photo ID.

— WEEK OF 3/28 —

Monday, 3/28

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.



This weekend, before curling up in front of the fire, stack a food can or two by the front door - ready to take to the Lab on Monday for the BNL FOOD DRIVE!

Camera Club, 3/24

The Camera Club will meet on Thursday, March 24, at noon in the conference room on the first floor of Bldg. 400. Photographers of all skill levels are welcome. For more information, contact Joe Gettler, Ext. 3584.

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/.

To apply for a position, go to www.bnl.gov. Select "Job Opportunities," then "Search Job List."

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

MATERIAL HANDLER POSITION (LG-3) - Performs a variety of laboring and manual tasks in stores operations such as moving, loading, unloading, sorting and storing of materials. May operate motorized equipment pertinent to stores operations. Keeps stores facilities in neat condition. Procurement & Property Management Division Please submit Employee Transfer form to Diana Hubert, Human Resources Division, Bldg. 400B referring to Job ID # 15666.

Motor Vehicles & Supplies

08 GMC ACADIA SLT-2 - 56.3K mi. AWD. loaded, V6 seats 7. Rear park camera, Bose syst. Excel. cond. \$28,500 neg. 204-0984.
04 TOYOTA MATRIX XR AWD - 99K mi. 4dr hatch, awd, all pwr, m/roof/alam, rec. tires & batt., \$7,200 neg. Ext. 2159, 331-7048.
02 KAWASAKI VULCAN 1500 CLASSIC FI - 11K mi. fuel injctd w/pwr Commander, more. \$5,700 neg. Ext. 2159, 331-7048.
01 TOYOTA COROLLA LE - 119K mi. 4 dr, cr/cntrl, pwr lcks/wndws, ac, 4 sp a/t, alarm, fr&sd airbags, \$4,500 neg. 516-527-6930.
99 TOYOTA CAMRY - 96K mi. gd cond. \$3,900. 929-1033.
96 LEXUS LS 400 - 4 dr. sedan, black, fully loaded, 165k mi., vg cond., smooth ride. \$6,200 neg. 286-5897.

MOTORCYCLE JACKET - Joe Rocket Ballistic, black, XL. 3/4 lgh textile, built in CE body armor. \$40. shrey@bnl.gov.
RIMS W/TIRES - 4 18" RT6 Enkel 360 Perfect Rims; 6 Lug; excel cond - less than a yr old. Ask \$700. Pd \$1,800. 813-6583.

Boats

12' PACKARD M-12 - <http://bit.ly/fcs72n> boat 12'L, 6' beam, handles to 60hp, excel in rough wtr, seats 2, \$9,000. 516-639-3091.

Furnishings & Appliances

BEDROOM FURNITURE - 2/dressers, 1/ lg, 1/sm, 1/night stand dresser, ask/\$200/obo. Tom, Ext. 3085.
DRESSER & NIGHT STAND - white Dresser w/mirror, gd cond, needs some paint & hware, ask/\$50, Carol, Ext. 2587.
FREEZER CHEST - lg Kenmore, \$150/neg; Glider Rocker maple chair, \$200, 516-740-8418 or lcade@uspssports.com.
GLASS SIDE TABLES - gd cond, \$40 pic avail upon request. Janine, Ext. 2431 or jtruit@bnl.gov.
PIANO - Baldwin Upright, 1970s, fair cond, needs tuning, \$1,000. Maureen, Ext. 5179.
REFRIGERATOR - white Kenmore side by side, water/ice maker, 1 yr old, moving to sm. apt, must sell, \$400. 624-1277.
SOFA & LOVESEAT - Clayton Marcus, used for 1 yr, v gd cond, pic on reqst. \$1,500 neg. Ext. 7013, derocher@bnl.gov.
TABLE, BED, TV STAND, ETC - moving sale, table/\$100, q/size bed/\$40, more, photos, Ext. 5969 or okada@bnl.gov.

Audio, Video & Computers

32GB IPAD WIFI MODEL - like new, 32gb iPad w/official apple case, comes complete w/box/charger, \$550. Jesse, Ext. 2122.
CAMERA - Nikon S3000, 12mp 4x zoom, new in box, xmas gift/\$85. Rich, Ext. 7294 or gambella@bnl.gov.
CAMERA - Nikon Coolpix S550, 10 megapixel, 5x opt. zoom + 4x dig zm, image stabil, extras, new cond, \$95. Ext. 5669.
GATEWAY 556GE - P4 3.0GHz HT, 250GB HD, 1GB RAM. Needs repair. \$30. Mark, Ext. 3970 or mwahlert@bnl.gov.
IPAD - 64 gig 3G+WIFI iPad, great cond/\$650. Renee, Ext. 8278.
KARAOKE MACHINE - Memorex MKS5012, CD+ Grphics-capbl syst w/CD player, am/fm, 2 mikes, more, \$35. Ext. 5669.
LCD MONITOR - ProView, 19" widescreen, grt cond, \$40. Janine, Ext. 2431 or jtruit@bnl.gov.
LCD MONITOR - Acer, 19" widescreen, grt cond, \$50. Jesse, Ext. 2122 or jmontalto@bnl.gov.

Sports, Hobbies & Pets

CHARLEAN XTREME - used, w/DVDs, exercise ball, bands, books, \$40/obo, also weights if wantd, lccaccavale@bnl.gov.
STAIR MASTER 4000PT - gd cond, \$800/obo, avg/\$1000 used on web. 804-4446.

Tools, House & Garden

POOL - 18x 33x 50" agp made by jacuzzi, about 5 yrs old, needs a new liner, otherwise in great shape. Edward, Ext. 4427.
ROTOR TILLER - blk, hardly used, make offer, pic avail. Carol, Ext. 2587.

Miscellaneous

2 MET OPERA TICKETS - for 3/17 "Boris Godunov" \$69.50 ea w/bus from North Shore Public Library (Shoreham). Ext. 7761.
AIRLINE VOUCHERS - 2, \$500 U.S. Airways. \$250 ea. or \$400/both. Fly any time, but must book before 4/4/2011. 767-2697.
ANSEL ADAMS POSTER - Framed "Oak Tree, Snowstorm" Poster. \$15. Emiko, adachiem@bnl.gov.
CARNEGIE HALL TICKETS - 2 for Orpheus Chamber orchestra, Fri. 4/29, 8 pm, \$70/ea, make offer. Darcy, Ext. 3362.
ESPN AIR HOCKEY TABLE - glow-n-the-dark air hockey/\$70, still have bx, u-pick-up, used twice. dmcarthur@bnl.gov.
GUITAR: - Fender American Standard Stratocaster elec, black & white, incl Fender hard case, new cond, \$775. guida@bnl.gov.
MOTHER OF BRIDE/GROOM GOWN - beaded, lace, organza, Google-Montage (style #14925), cocoa, size 18. \$225. 871-3533.
SKI TICKETS - 2/Jiminy Peak for either March 6th or 7th, \$29.95ea/obo. Tom, Ext. 3085, 872-8992.

Happenings

PHOTOGRAPHERS:ONE-DAYSEMINAR-Spend a day with Canon Explorer of Light Lewis Kemper at Suffolk County Community College, on Sunday, April 3, 8:30a-4p. Organized by the Photographic Federation of LI. \$30. Joseph, Ext. 3584.
SWR HS JUNIOR CLASS AUCTION - Sat, 3/12, 5 pm, Shoreham-Wading River HS, come support the Jr Class, fun for whole family, food served, \$5 admission. Ext. 4628.
WOODSTOCK IN CONCERT - Feb 12 - Mar 19, Revisit summer 1969 w/WOODSTOCK-MANIA, return of hit concert, w/music of J.Joplin, J.Airplane, J.Hendrix, Santana, The Band, Blood Sweat & Tears, A. Guthrie, etc. Ext. 2579.

Wanted

BASEBALL PLAYER - The North Shore Stallions are looking for 1 more committed player for Spring season and beyond. Candidates must be able to pitch and can't turn 14 before 5/1/11. Scott, 678-6544.
BNL FAMILY MEMBERS IN MILITARY - If you have a family member that has been deployed overseas, please contact Adopt-a-Platoon so we may send them a goodie package. Joanne, Ext. 8481.
FIREARMS - new or old, fair \$\$ pd. Joe, Ext. 3783, 487-1479.
FIREWOOD - hardwd logs oak, maple 14"-20", split or non split pcs, will remove free if wood is not rotted, nr Rocky Point vicinity. Michael, Ext. 7861, 849-2329.
LIVING-IN NANNY - needed for family at Melville (LIE exit 49) to take care of two school-aged kids, simple house work. YingXia Wang/Chengpu Wang, 974-1256 or yingxiaw@hotmail.com.
PAPERBACKS - Unpainted sides, any size or condition, free only. Sandy, Ext. 2922 or fosters@bnl.gov.

For Rent

WEEKI WACHEE, FL - Gulf Coast Ranch, 70m Orlando, 45m Tampa, fly SW direct, screen/igp, trees, SW archit., 3bdm, 2ba, d/r, f/p, 2x gar 2x gar, shed, \$900/mo neg. 344-5537.
BAITING HOLLOW - new furn studio apt, sep eik, tiled bath, priv ent, util/int/HD incl, no smkg, nr beach, want quiet tenant. \$900/mo. 804-8117.
MASTIC - 1 bdrm, kit l/r combo, full bath, priv ent, quiet, own thermostat, util incl, nr LIRR, no smkg/pets, walk to shop, 8 min to Lab 1 mo sec. \$650/mo neg. 335-4907.
MASTIC BEACH - Waterfront Property, come enjoy great sunrises and all water sports, 1 bdrm 2 apt all modern, Oceanview Dr. \$900/mo. Angelo, 917-589-6617.
MIDDLE ISLAND - 1 bdrm lg, bsmt apt, pvt ent, tel, cable, int, quiet, strictly no pet/smkg, all incl, nr Lab, BNL employee only, 1 mo sec. \$800/mo. Ext. 7020, 672-2451.
MILLER PLACE - 1 bdrm, l/r, kit, partially furn, priv ent, no smkg/pets, util incl, except phone/cable, sec. \$950/mo. 744-2628.
NORTH PATCHOGUE - 1 bdrm apt, everything incl'd, nice neighborhood, close to Lab. \$850/mo. Marcel, 885-2696.
RIDGE - Cozy 3 bdrm ranch, quiet n'hood, 1 acre, 3 mi to BNL, 1 ba, eik, d/w, hrwd flrs, part bsmt, w/d, no smkg/pets, utilities not incl. \$1,500/mo. 834-7176.
SHIRLEY - main flr, 1 bdrm apt, pvt ent, l/r/kit cmbo, granite, new appl, full ba, hrwd flrs, off st prkg, no smkg/pets, single person, credit check, 1 mo sec, \$1,000/mo incl all. 848-6353.
SHOREHAM - share a hse w/professional, lg and furn bdrm, cable TV, int, no smkg/pets, 8 mi to Lab, avail. \$675/mo. 516-380-2650, g19582003@gmail.com.
SHOREHAM - generous 4bdrm cont, 2.5 baths, dble gar, v/sunny, quite green, gd schools, 5 min walk to beach, 15min to lab. \$2,350/mo neg. Ext. 2216, 744-2190.

SOUTH PATCHOGUE - loft cottage, 1/4 mi from Bay, full bath, off st prkg, sec, plus elect. \$975/mo. Daniel, Ext. 7658 or aheard@bnl.gov.
WADING RIVER - 4 rm house, 15 min from Lab, call for pricing. 516-437-2881.
YAPHANK - lower level apt. for rent. 1 bdrm, living area, Eik, F/bath, sep ent. Utills inc. except cable/phone. Immediate occup. 5 min to Lab. \$1,000/mo. 816-6424.

For Sale

WEEKI WACHEE, FL - Gulf Coast Ranch, 70m Orlando, 45m Tampa, Screen/igp, fruit trees, SW archit, 3bdm, 2bath, lg DR, f/p, 2x gar, shed, photos. \$150,000 neg. 344-5537.
RIDGE - 4 bdrm, 3 bath, 2 car gar, nice garden mins to Lab. \$309,000. 929-1033.
MANORVILLE - Silver Ponds Townhomes, 2bdrms, 2 baths, 2 car gar, all amenities, low charges, nr Lab, \$5k towards closing cost starting @ \$275,000/mo. 804-6262.
S. BLUEPOINT - 4 bdrm Cape, new roof & paint, cac, 2 ba, l/r, d/r, f/p, fin bsmt, ovr szd 1 car gar, grt schools, walk to water, excel move-in cond. \$415,000 neg. 516-885-5174.

Services

Services are neither screened nor recommended by the Bulletin.
35MM SLIDE SCANNING - www.pictureperfectscans.com scans & color corrects 35mm slides, photos, negatives & converts to DVD. Music slideshows avail, Port Jeff. 928-6469.
A+SINGER W/DUO - Swinging Singer w/piano/guitar & percussionist, performing in LI & Manhattan since 1992, weddings & events, www.yvettemalavet.com gd prices. Yvette, yvette@yvettemalavet.com.
A1 SPRINKLERS - complete lawn irrigation service, Spring start ups, new installations, repairs, pipe pulling, free estimates, quality work. Michael, 284-2277.
AIRPORT SERVICE - need ride to any airport or nyc call Lincoln, discounts to bnlers all luxury cars. Tony, 589-5555.
ALL PHASES HOME & YARD WORK - No job too large or small, reasonable rates to schedule an estimate call Theresa, 714-1629.
APPRAISALS-RESIDENTIAL - Single & Multi-Family/Condo/co-op, Tax Grievance, purchase or refinance of home, etc, Marian Cardone, Certified & FHA Approved, www.MC-Appraisals.com. 806-4482.
ATTORNEY - Real estate closings, matrimonial/custody, wills & estates, other, office 15 mins from BNL, discounted rates for BNL employee & families. Free consultation. Anna, 513-6688 or annamartin63@yahoo.com.
AUTO REPAIR - Appel Auto Service at 20 Linden Place, Port Jeff, Check out website/www.appelauto.com. Kevin Appel, 928-1888.
AUTOMOTIVE SERVICE - All makes and models, foreign and domestic, 30 years dealer experience, factory trained professional, Lab discount, bill, 681-3061.
BABY SITTING - 16 yr old avail to baby sit your toddler/elementary (3-11 yrs old) school child on wkends. References provided on request. 828-6321 or sharuc@msn.com.
BABYSITTER & PET SITTER - Experienced & responsible 16 yr old HS Junior. Available on weekends, some weeknights. Shoreham-Wading River area. Kimberly, 744-2095.
BABYSITTER/MOTHER'S HELPER - 14 yr old Longwood Honor Student with Babysitting Certification will watch your child(ren). Your home or mine: nights-weekends-summertimeschool breaks. Alexis, 924-6395.
BOAT STORAGE - Boat hauling & storage up to 28'. Trailered boats welcome. 680-0431.
BY THE BAY TUTORING - NYS Certified Educator & School District Employed. Tutoring students grades 1-5 in ELA test prep- Reading Writing-Math \$45/hr. Krissy, 419-6497.
CALLIGRAPHY - For wedding invites, big birthday bash, etc. Nina, Ext. 5894, 475-1297.
CAR DETAILING - make your car look its best, ALL phases of detailing, incl headlights, carpets, super wax, more! call for an appt. CHRIS, 960-6243.
CATERING/PARTY PLANNING - Services, will travel, taste test available upon request and appt. Reasonable rates, references avail. Michelle, 774-9136.
CERAMIC TILE & MARBLE - Professional installation, no job too small. Licensed and insured, free estimates. Tom, 909-1498.
CERTIFIED PUBLIC ACCOUNTANT - Monahan and Company, CPA PC; Full Service CPA firm, call for your 2010 Tax Return needs. (Melville). Thomas Monahan, 414-7191.
CHAINSAW SHARPENING - \$5/off saw or \$7/on saw, any length chain, can have ready by next day. Peter, 772-4751 or prjhhg@optonline.net.
CHILDCARE - HS Sr student w/drivers license, avail for after school & wkend childcare, all hrs, experience w/young children, Mom works at lab. Nicole, 672-5981.
CHIMNEY SWEEPING - Fireplaces, wood, coal and oil flue chimneys, stainless steel caps and liners avail, custom made stainless steel Prefab caps and chase pans. Lab discount. 821-5526. Michael, 821-5526.
COMPUTER REPAIR - Certified Technician. Virus removal, PC tune-ups, new computer setup and home networking. Reasonable rates. John, 804-0980.
COMPUTER REPAIR - Expert service for your PC or Mac. No repair too small or large. Certified technician. Reasonable rates, discounts for Firefighters, EMS Personnel & Police. Jon Sadowski, 651-1155 or jon@isresources.com.
COMPUTER REPAIR SERVICE - 20% Discount for All BNL Employees, Spyware, Viruses, Web Design and More. www.LIPCGUY.com. Jesse, 339-0327.

Spring Forward This Weekend

Daylight Savings Time begins at 2 a.m. on Sunday, March 13.

COMPUTER REPAIR SERVICES - Is your computer slow and freezing up? Are you having issues with hardware? Need data recovered? I specialize in solving computer issues at affordable rates. Jeff, 682-0092 or jpcprepairs@gmail.com.

COMPUTER REPAIR/CONSULTANT - All computer services. Home & business specialist. New system set ups, tune-ups, virus control, lessons from cert. business teacher. Many references, reasonable rates. Jim, 821-2558.

DEFENSIVE DRIVING COURSE - Take a New York DMV approved course online: <http://www.lidivesafe.com>, For more information or a traditional classroom schedule call Ed Sierra at 631-821-1013. esierra@bnl.gov.

DJ ENTERTAINMENT - Tailored to your Affair: weddings, parties, anniversaries, sweet 16, birthdays, more. 40s to 2000s. CCM Reggeton, Merengue, Salsa, etc. Lights, party props, insured. Luis, 457-3506 or lulesdtaz@aol.com.

EXPERIENCED CHEMISTRY TUTOR - Ph.D in Chemistry. Available evenings and weekends to tutor all chemistry topics from high school general chemistry through organic. Will work with you on price! 940-595-5356.

HAIR STYLIST - Professional - Men, women, children I'll come to you! Call for appointment Dee's Awsome Cuts. 880-0898.

HANDYMAN - Lic & Ins. Free estimate. All work done professionally & with TLC. All manner of home repairs, gutting, renovations and carpentry. Bill, 281-4492 or frnh@aol.com.

HANDYMAN - Expert Service with Attention to Detail, Dependable, On-Time, excellent references, Discount for BNL employees/Veterans/Seniors. John, 365-4815.

HANDYMAN/CARPENTER - All Home Improvements-No job too Big or Small. Call Frank for a free estimate today. 816-3020 or pirozzi@bnl.gov.

HEATING/BOILER SERVICES - Installation/Repairs - 24 hour service - Oil or Gas - Tank Abandonments - Free estimates - Lowest prices guaranteed. Steve, 813-6583.

HOME IMPROVEMENTS - Home care co, we are here to help. All jobs lg or sm, Lic&Ins. George, 878-1178 or murdock@bnl.gov.

HOME CARE, PRIVATE DUTY - Personal care & assistance including bathing, dressing, meal prep, medication reminders & general companionship. 553-9741.

HOME IMPROVEMENT - All phases of home improvement, doors, windows, roofing, siding, power washing, painting, and decks. Licensed & Insured. Free Estimates. Joe, 889-2047.

HOME IMPROVEMENTS - Meticulous, if your home needs work or repairs, large or small, call Anthony, Lic/Insured, Lab references. 312-2670.

HOME IMPROVEMENTS - All phases of home improvements. Dependable and reliable service. NYS licensed and Insured, www.homesweethomell.com. Keith, 885-2680 or keithfeeney@optonline.net.

HOME/OFFICE ORGANIZING - Wishing you were better organized? Missed bill payments? Lost keys? No time to organize your home? appt? car? Simple cleaning/ironing. Call for offer.\$20/hr. Nina, 475-1297.

HOUSECLEANING - experienced reliable housecleaning, references avail. 872-2779.

INCOME TAX PREPARATION - RBG Tax Accounting, 35 Years' Experience with Federal and State Returns, Full range of Accounting Services, Company Startups, more. 320-9374, RBGtaxaccting@gmail.com.

INCOME TAXES - All forms including personal and corporate performed by Tax Consultant. Servicing Lab personnel for over 35 years. John, 732-2472 or pyatt@optonline.net.

JUNK REMOVAL - demolition and recycling services. We take it all away! Jared. 576-5220.

KNIFE SHARPENING - "NEW EDGE" quality knife and tool sharpening, BNL Discounts avail. Charles Reilly, 525-2950.

LANDSCAPE SPECIALIST - cleanups, curb side leaf pick up avail, planting, igs, lawn maintenance. Mike. 879-5019.

LAWNING & ROTOTILLING - please call for more info. Bill, 395-0414, rizzitellow@yahoo.com.

LIMOUSINE SERVICE - Aquarius Limo- Town cars, Limos, Vans, Hybrids, excel service and prices, www.aquariuslimos.com. 218-3122.

LONG ISLAND WEB DESIGN - Complete Website, Hosting & Email Packages. Get a custom website today at www.BlueBarnGraphics.com Stefan 428-7246, 928-6469. Stefan, 928-6469.

MAKEUP ARTIST - Professional artist with affordable prices. See samples at www.beauty-makeupartistry.com, Middle Island, LI location, Proms, weddings, night on the town. 384-6972 or beautymakeup@optonline.net.

MATH TUTORING - Experienced, compassionate instructor, with Phd in mathematics and good recommendations offers private lessons in high school and college level mathematical subjects. George, 917-715-9026 or yeorgios3000@yahoo.com.

NIGHT TIME NOTARY - After hours notary, call for appointment or information. 838-9861 or nighttimenotary@gmail.com.

PAINTING AND POWERWASHING - book now for spring. Your home is OUR #1 investment. Expert mold and mildew removal. Free estimates. BNL DISCOUNT. chris, 827-8686.

PARTY/EVENT SERVICE - Private Waitress with experience in Service, Hotel Hospitality, Mgmt. Graduate of Culinary & Restaurant, Mgmt Degree. Energetic, Reliable, Professional.Works w/all budgets. Danielle, 805-861-0038.

PERFECTION PLUS PAINTING - Sit back and relax. Over 40 years' experience. One on One free estimate. No pressure sales. Refs available. BNL discount. Bill Struss, 764-4755.

PERSONAL SHOPPER - Need help shopping? Will help you shop and do errands. Great for senior citizens or those who cannot get around on their own. Linda, 399-1125.

PET GROOMING - Full service dog & cat grooming. Self service dog wash avail, pet food & supplies. Lindsey's Groom Room, 143 Main St. Kings Park. Lindsey, 292-2655.

PET SITTING - experienced, responsible adult available for pet sitting. Experience in administering meds. Ref available. 631-289-2122. Colleen.

PHOTOGRAPHER & SERVICES - Freelance photography, all occasions. Family portraits, automobiles. Old Photo restoration. Negative & slides scanned to digital. 25 years experience. Rick, 874-4017.

PHOTOGRAPHIC ARTIST - Digital Event Photography; 42 years experience, Photo restoration, Member NAPP; Photoshop trained/experienced, love to make your images pop; priced to suit. Ron, 284-6008.

PIANO LESSONS - Music opens hearts, clears minds, brings people together. Professional Piano lessons by Experienced Piano Teacher Prep for NYSSMA, Talent Shows and Annual Recitals for all ages. 627-3674.

PIANO LESSONS - Classical, all levels in Shoreham, NYSSMA Preparation. 413-6971 or kind_of_blue@yahoo.com.

PIANO LESSONS FOR BEGINNERS - licensed & retired music teacher. Comfortable home setting. 751-7023.

PINSTRIPING HAND PAINTED - Old school hand painted pinstriping, boat/custom lettering, airbrush, since 1990. Dominick, 576-5195.

POWERWASH SIDING - Army Veteran will powerwash and clean your siding, deck and driveway. Lowest prices. 245-9609.

POWERWASHING - "AT YOUR SERVICE" Home exteriors, decks, patios. Discount for BNL employees/Veterans/Seniors. John, 365-4815.

PROFESSIONAL WRITING - Professional Writing Services including resumes, college essays, proofreading, editing and tutoring. Diana, diagal@hotmail.com.

SCIENCE&LANGUAGE SCHOOL @ SBU - Enrichment Program for children ages 3-15. Classes Sundays: Math, Physics, Art, Russian, English, French. www.schoolplusstonnybrook.org. Marina Polonskaya, 615-4215.

SPIRITUAL HEALING - Do you feel as if something is missing in your life? Or that things don't make sense anymore? Regain your focus today, email me so we can talk. Thomas, 848-8958, brooksnys@optonline.net.

STUMPS REMOVED, LAND CLEARING - Stumps properly removed w/the soil re-compacted and graded for plantings. using JD-450 with custom rake, \$160/hr. Tom, 878-1060 or thomasmuller@optonline.net.

TERMITES & PEST CONTROL - Please allow us to perform a free inspection of your home. We treat termites, 26 household pests and offer energy-saving pest control insulation. Receive 10% discount with ad. Will, 708-4778.

TICK SPRAYS AND LAWN CARE - Professional tick sprays and lawn care, provided by MK Lawn care and Landscape Maintenance. Mark Kozakiewicz, 987-4445.

TOUCH OF PERFECTION PAINTING - Look no further for Perfection Over 25 years professional experience, interior/exterior,Suede finish specialty applications quality service every time! call for free estimate. Jim, 433-9211.

TRIATHLON COACHING - Training for a sprint or Ironman distance triathlon? USAT Triathlon Coach Robert McKeown will help you reach your fitness goals! www.southshoretricoach.com. 252-5659 or southshoretri@aol.com.

TUTOR - Certified Teacher avail to tutor Elem Ed up to grade 6 and Literacy; birth-12th grd; flexible schedule, \$35/hr. Refs turn upon request. Agnes, 516-526-9091.

TUTOR - NYS Certified Earth Science Teacher. \$50/hr. Edward, 821-1013.

TUTOR - NYS Certified-General Ed, Special Ed, & literacy. PreK-6, remediation, enrichment, comprehension & phonics, math, NYS Assessment prep. Neg. rates. 922-1310.

VW & AUDI REPAIR - Certified VW tech w/7 yrs dealer experience. Also many other makes. All types repairs, maintenance to eng diag. Dealer parts only. William, 484-9888.

WATCH BATTERIES - drop off at lunch, next day return, starting at \$5, Lithium higher, no Swiss Army. 599-1859.

WEBSITE DESIGN / GRAPHIC - Experienced and independent art director specializing in website design, logo's, business identities, magazine ads and marketing. Roya, 513-2926.

WEIGHT LOSS - lose weight quickly and safely, Clinically Proven, Eat 6 x's a day, No Program fees, No Measuring, No Meetings, No Kidding www.debrucallion.tsf.com. Debbie Mccallion R.N Health Coach, 835-0725.