

A Passion for Synchrotron Science

News from the 2005 NSLS Annual Users' Meeting

Fierce enthusiasm for the science performed at the NSLS and increasing hope that NSLS-II will become a reality was the message of the speakers at the main session of the 2005 National Synchrotron Light Source (NSLS) Annual Users' Meeting, held on Tuesday, May 24.

The incoming chair of the NSLS Users' Executive Committee (UEC), Peter Stephens of Stony Brook University, welcomed the nearly 400 attendees and then opened the stage to BNL Director Praveen Chaudhari, who gave a brief "BNL Update" talk and praised many users for their work to support NSLS-II.

"The struggle to get NSLS-II is just beginning," Chaudhari said. "But once the machine is built, you'll have the best machine in the world."



Speakers at the meeting included: (from left) Praveen Chaudhari, BNL; Patricia Dehmer, DOE; and Steven Dierker, BNL.

Chaudhari then introduced Patricia Dehmer, head of the Office of Basic Energy Sciences within the DOE Office of Science. Dehmer, who plays an important role in efforts to move NSLS-II forward, discussed the status of the proposed facility.

"NSLS-II will undoubtedly be the world's finest synchrotron; it will be a stunning facility," she said. She added that she and Office of Science Director Raymond Orbach will soon present the Laboratory's NSLS-II proposal to Deputy Secretary of Energy Clay Sell for his approval.

"This Laboratory has a wonderful history of constructing and operating major user facilities," she concluded. "NSLS-II will take that tradition and move it into the future."

NSLS Chairman Steven Dierker then gave an update *(continued on page 2)*

The NSLS Users' Executive Committee (UEC) Chair, Peter Stephens (left) of Stony Brook University, presents the 2005 UEC Community Service Award to Tony Lenhard, NSLS Department.



2005 RHIC & AGS Annual Users' Meeting

June 20-24

The Relativistic Heavy Ion Collider (RHIC) & Alternating Gradient Synchrotron (AGS) Annual Users' Meeting will include three days of topical workshops followed by two days of plenary sessions on Thursday, June 23, and Friday, June 24. The plenary program will include the latest results from RHIC, AGS, and the NASA Space Radiation Laboratory; reports from Washington, elections, awards, an open forum meeting, thesis awards, a poster session with a prize for the best student/post-doc poster, and a banquet. Workshops are scheduled for Monday through Wednesday. An end-of-run party will follow the plenary session on Friday afternoon at 4 p.m. in Building 510 courtyard. □

For more information, with a complete list of workshops, go to www.bnl.gov/rhic_ags/users_meeting/.

RIKEN-BNL Research Center Dedicates New Supercomputer for Physics Research



In front of the new supercomputer, QCDOC, are: (from left) Praveen Chaudhari, BNL; Yoshiharu Doi, RIKEN; Norman Christ, Columbia University; Edward McFadden, BNL; T.D. Lee, Columbia University; and Koji Kaya, RIKEN; (front, from left) Satoshi Ozaki, BNL, and Nicholas Samios, BNL/RIKEN BNL Research Center.

A new supercomputer — the RIKEN BNL Research Center (RBRC) supercomputer — was unveiled at a dedication ceremony on May 26 at BNL attended by physicists from around the world. Called QCDOC for quantum chromodynamics on a chip, it was designed and built by BNL, Columbia University, IBM, RBRC, and the University of Edinburgh. The computer has 10 teraflops of peak computing power, which makes it capable of performing 10 trillion arithmetic calculations per second, with sustained speeds of five teraflops. The \$5-million computer took three years to design and build and is funded by RIKEN — The Institute of Physical & Chemical Research — in Japan, with infrastructure support from DOE's Office of Science. Satoshi Ozaki, Special Assistant to the Laboratory Director for Accelerator Projects, and chair of the event, opened the dedication ceremony, welcoming the audience of about 100 people to the "very happy occasion."

Laboratory Director Praveen Chaudhari, in his welcoming remarks, gave a brief history of the evolution of the RIKEN-BNL partnership and discussed the capabilities of QCDOC, a "special purpose" computer.

Addressing the audience, Nicholas Samios, RBRC Director, said that QCDOC is about 15 times more powerful than the previous supercomputer installed at BNL in 1998 and called QCDOC for quantum chromodynamics on digital signal processors.

"We have gone from 0.6 teraflops to 10 teraflops in seven years. I'm looking forward to another celebration in five years to dedicate a computer with a factor of 20 to 100 increase in



At the May 26 dedication of the RIKEN BNL Research Center (RBRC) supercomputer held in the BNL Physics Department are: (from left) Nicholas Samios, BNL/RBRC; T.D. Lee, Columbia University; Koji Kaya, RIKEN; Yoshiharu Doi, RIKEN; Satoshi Ozaki, BNL; Ryutaro Himeno, RIKEN; and Praveen Chaudhari, BNL.

computing capability with relatively small power requirements and small footprints," he said.

Samios and Yoshiharu Doi, Executive Director of RIKEN, with RBRC's first Director, Nobel Prize winner Tsung-Dao Lee of Columbia University, all look forward to a new era of precise calculations that might, according to Doi, "open up completely new possibilities in search for the origin of the universe."

QCDOC will be used for physics research for 90 percent of its operating time. With the help of the computer, physicists hope to determine the properties of a state of matter currently under intense study at BNL's premiere accelerator, the Relativistic Heavy Ion Collider. During the remaining 10 percent of operating time, researchers will use the supercomputer to pursue scientific projects in a variety of fields, including biology and materials science.

Among those attending the dedication ceremony was Edward McFadden, Manager of the Brookhaven Scientific Computing Facility in the Information Technology Division (ITD). ITD built QCDOC, tested it, and will maintain it. Besides acknowl *(continued on page 2)*

QCDOC in Action

Taking up only 100 square feet of floor space compared to a football field or more for some commercial supercomputers, QCDOC is installed at BNL in the RIKEN-BNL Research Center, a physics research center formed by RIKEN and BNL in 1997. QCDOC achieves its ultra-fast speed by harnessing the power of 12,288 individual computers, each with its own memory and an extremely fast interprocessor communication network. Each processor is constructed on a single silicon chip, so the supercomputer is essentially 12,288 interconnected chips. This simple design leads to a low power requirement of about 100 kilowatts compared to the many megawatts typical of most commercial supercomputers.

One of the major discoveries emerging from the Relativistic Heavy Ion Collider is the creation of a form of hot, dense (10 to 30 times denser than a nucleon) *(continued on page 2)*



Calendar
of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Recreation Bldg. and at the laundry, both located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir

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

Mondays & Wednesdays: Pilates

Mon., Noon-1 p.m. in the Rec. Hall; Wed., 5:30-6:30 p.m. in the Rec. Hall. Christine Carter, Ext. 5090.

Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon., noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., noon-1 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. North Room. Registration is required. Christine Carter, Ext. 5090.

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

Noon-1 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Cindy Ottemann, 849-2646.

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club

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

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/default.htm.

Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$5 per class or \$40 for ten classes. Rec. Hall. Pat Flood, Ext. 7886.

Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Eight-week session. \$20 to attend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tuesdays & Thursdays: Jazzercise

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

Tues., Thurs., Fri.: Upton Nursery School

8:30-11:30 a.m. Rec. Hall. Two- and three-day program avail. 727-8082 or Ext. 5090, for information.

Tues., Wed. & Thurs: Rec Hall Activities

5:30-9:30 p.m. General activities, large-screen TV, ping pong, chess, games, and socializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Kati Petreczky, 821-4131.

Wednesdays: Weight Watchers

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

Wednesdays: Yoga

Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Dance Lessons

5:15-8 p.m. Brookhaven Cntr., North Room. BNL Ballroom Dance Club hosts lessons, beginner to adv. John Millener, Ext. 3853.

Thursdays: Reiki Healing Class

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

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

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

— THIS WEEKEND —

Friday, 6/10

Lunch Talk: Yard Work Using Tools

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on yard work using tools. All are welcome.

— NEXT WEEK —

Monday, 6/13

Lunch Talk: Swimming Pool Safety

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on swimming pool safety. All are welcome.

Tuesday, 6/14

Verizon Wireless Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from Verizon Wireless will present BNLees with special rates and a 15 percent BNL employee discount on wireless products and services. Edwin, 516-459-2635.

2005 NSLS Annual Users' Meeting

(cont'd.)

on activities at the NSLS during the past year. He pointed out that the NSLS continues to thrive, even as third-generation synchrotrons have been built in the U.S.

During the remainder of the main session, participants heard several scientific talks. Henk Schenk of the University of Amsterdam discussed "The Structure of Cocoa Butter and the Quality of Chocolate." Schenk was followed by a safety presentation delivered by Stephens and Bob Casey, the NSLS Associate Chair for Environment, Safety, Health, and Quality. John Rehr of the University of Washington spoke about the theory involved in interpreting x-ray data.

Benjamin Chu from Stony Brook University described the polymer experiments he per-

forms with his group at beam line X27C. Steve Almo from the Albert Einstein College of Medicine discussed "Structural Genomics in the 3rd Millenium." Finally, NSLS scientist Peter Abbamonte presented his work on antiferromagnetism, a state of magnetism that may be involved in superconductivity.

That evening, many meeting participants attended the banquet in Berkner Hall, where the 2005 UEC Community Service Award was presented to Tony Lenhard.

On the other two days of the meeting, May 23 and 25, several scientific workshops were held at locations across BNL, and a poster session was held in Berkner Hall on the evening of May 23. — Laura Mgrdichian



Roger Stoutenburgh D7820505

The winners of the 2005 National Synchrotron Light Source (NSLS) Annual Users' Meeting poster session are: (from left) Tejas Telivala of Stony Brook University (SBU), "Effect of Metal Ions on the Secondary Structure of Amyloid Beta in Alzheimer's Disease;" Ashtosh Ganjoo of Lehigh University, "Observation of Photo-Induced Atomic Changes in Chalcogenide Glasses by in-situ EXAFS;" Angelo Dragone of BNL's Instrumentation Division, "The Peak Detector Derandomizing ASIC for Multichannel Energy & Timing Measurements: Characterization & Further Developments;" Holger Fleckenstein of SBU, "Scanning Transmission X-ray Microscope with Three Axes Laser Interferometer;" Meghan Ruppel of SBU, "Chemical Makeup of Microdamaged Bone Differs from Undamaged Bone;" and Brandon Chapman of BNL's NSLS, "Synchrotron X-Ray Studies of Organic-Based Devices: Molecular Transistors & Liquid Crystal Displays."

DOE, NYS Help Small Business
Series of Free Workshops, Counseling Offered

The DOE Small Business Development Center, which is located in Building 179 at BNL, in cooperation with the New York State Small Business Development Center at Stony Brook University, is sponsoring a series of free workshops to be held at noon on every second Wednesday starting from June 29 (with a break around the end of September) at the BNL cafeteria in Berkner Hall. All are welcome to attend, but pre-registration is preferred. To register, call 632-9070 or e-mail agarbarino@notes.cc.sunysb.edu. Through these same contacts, you can arrange one-on-one counselling on Wednesday mornings at the DOE Office in Bldg. 179. Dates and workshop titles are listed below.

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|----------------------------|-------------------------|
| • 6/29 Marketing Magic | • 8/24 Accounting Magic |
| • 7/13 E-Commerce | • 9/14 Venture Capital |
| • 7/27 Import, Export | • 9/28 Legal Matters |
| • 8/10 Patents, Trademarks | |

To Develop Future Researchers,
Host a Summer Student

Members of the Lab scientific community are asked to consider becoming a mentor for a High School Science Research Student. The six-week high-school program begins on July 6. The program allows talented high school juniors and seniors to participate in a full-day research program at no cost to the sponsoring department. Applications are available for review at the Science Education Center, Bldg. 438. Contact Mel Morris, Ext. 5963 or mmorris@bnl.gov.

Scharff-Goldhaber Prize Ceremony, 6/15

Brookhaven Women in Science (BWIS) invites the Lab community and faculty members and graduate students of the Department of Physics, Stony Brook University, to the award ceremony of the 2005 Gertrude Scharff-Goldhaber Prize on Wednesday, June 15, at 3 p.m., in the Large Seminar Room of the Physics Department, Bldg. 510. BNL Distinguished Scientist Maurice Goldhaber will present the award to Ann Sickles, an SBU graduate student, who will present a short seminar on her research. Refreshments will follow the presentation.

Science Camp for BNL Children, Grades 4-6

BNLees are invited to register their children or grandchildren in BNL's Summer Science Exploration camp, a free offering from the Lab's Science Museum. The three-day camp will be held Tuesday- Thursday, August 9-11, 8:30-11:30 a.m., for students entering grades 4 - 6. This year's focus will include a BNL environmental field activity, understanding energy and building/testing rubber band cars, and exploring the Museum's interactive exhibits. Children must attend all three days, and their parents are also welcome. To register or for more information, call Ext. 4495.

New Supercomputer Dedicated

(cont'd.)



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From left: Minoru Yanokura, RIKEN; Koji Kaya, RIKEN; Hideto En'yo, RBRC/RIKEN; Praveen Chaudhari, BNL; and Nicholas Samios, BNL



Norman Christ, Columbia University (CU), Jeffrey Mandula, DOE, and T.D. Lee, CU



Michael Holland, DOE, and Gulshan Rai, DOE



Praveen Chaudhari and Nicholas Samios



Thomas Blum, University of Connecticut/RBRC, and Robert Jaffe, Massachusetts Institute of Technology

Pictures on this page are by Roger Stoutenburgh.



Doris Rueger and Rae Greenburg, Physics Department



T.D. Lee and Nicholas Samios

edging the outstanding efforts of this staff at ITD, McFadden also wished to give credit to Plant Engineering and many of the trades at BNL. He said, "There were many important contributions from support personnel in making the QCDOC project a success, such as the preparation of the physical facility, the engineering design, assembly of hardware, container construction, and international shipping."

Good Things
Come in Threes

The RIKEN-BNL QCDOC is one of three similar computers that have been built by the same team of collaborators. Funded by the Particle Physics & Astronomy Re-

search Council in the United Kingdom, the second computer, now completed and beginning operation, is located at the University of Edinburgh, Scotland. The third, which is funded by DOE's Office of Science, will also be located at BNL and used by a community of U.S. scientists for calculations in quantum chromodynamics. Now undergoing testing, the third QCDOC is due to be ready for operations in the summer 2005. Working on related and sometimes different problems using these three supercomputers, researchers hope to make significant contributions in physics and other scientific fields.

— Diane Greenberg

QCDOC In Action

(cont'd.)

matter whose properties are consistent with those of a strongly coupled plasma of subatomic quarks and gluons — the "quark-gluon plasma" that existed a few microseconds after the birth of the universe.

Related to this effort, the supercomputer will be used for calculations in quantum chromodynamics — the physics theory that describes the interactions of subatomic quarks and gluons. In particular, physicists hope to understand the reason for the existence of six types of quarks that have widely varied masses. With this powerful computer, they can disentangle quarks from their interactions with gluons to gain important data about both particles' properties.

During the remaining 10 percent of operating time, researchers will use the supercomputer to pursue scientific projects in a variety of fields, including biology and materials science. — DG

In Memoriam: Donna Zadow

Donna Zadow, a senior administrative services assistant in the Collider-Accelerator Department (C-AD), died in a air accident on May 23, 2005. She was 52.

Zadow joined BNL as a Fiscal Office Services Assistant on July 9, 1990. In 1992, she moved to the Biology Department, where she was promoted to be a senior office services assistant.

Said Zadow’s then supervisor in Biology, Bonnie McGahern, who is now a staff specialist in the Nonproliferation & National Security Department, “During Donna’s tenure in the Biology Department, she assisted with the day to day administrative responsibilities, enjoyed working with people, and excelled in putting together conferences, workshops, seminars and travel arrangements for BNL employees and guests. She was a dedicated employee with an excellent sense of humor who maintained high ethical work standards for herself. She was an exercise enthusiast who, weather-permitting, walked every day at lunch time. At our annual holiday party she was famous for singing a great rendition of the Patsy Cline song ‘Crazy.’ She will be sorely missed by all who knew and worked with her.”

In 2000, Zadow took a position as senior administrative services assistant in C-AD. There she first worked for the Spallation



Neutron Source team, then, as that project neared completion, she moved to assist administrative personnel in the Accelerator Division and also helped with administrative work in the Magnet Division.

Said Zadow’s supervisor, Administrative Specialist Marion Heimerle, “You could always depend on Donna, she got things done. For example, she was excellent in handling travel arrangements — once she took something on, it would be successfully completed. As a colleague, she was very pleasant to work with, and she also picked up any new systems quickly. As in most administrative offices nowadays in the Lab, we manage with few personnel, and Donna was always willing to give extra help whenever needed. We are a close-knit group, and we certainly miss her.”

Diana Votruba and others from the Magnet Division added their tribute. “When Donna came to work at the Magnet Division, she brought with her a warm, friendly, and professional attitude. Donna provided a tremendous amount of support to the people here. We have lost a great friend and colleague.”

A resident of Wading River, Zadow is survived by her son, Heath Richards, her daughter, Jennifer Powell, a brother, Douglas Turner, sisters Linda DeBeer and Carolyn Louey, and four grandchildren.

— Liz Seubert

ITD Customer Support Now in Bldg. 129

The entire Customer Support organization of the Information Technology Division has been relocated from Bldg. 515 to the northeast corner of Building 129, on Technology Street just east of the Physics Building. This is the same building that now houses the Teacher's Federal Credit Union. The relocated groups include the Help Desk, Deskside Services, and Account Management functions. For a map showing the building's location, go to <http://intranet.bnl.gov/itd/helpdesk/images/bldg129.jpg>.

Get Tips on Home Safety

Brown Bag Lunch Talks: Today, 6/10, ‘Yard Work’

To highlight the Lab’s special safety effort this National Safety Month, which has the theme of “Safety: Where we live, work, and play,” everyone is invited to a join in a series of talks to learn about and share tips on safety in the home. The talks will all be held from noon to 1 p.m., in Berkner Hall, Room D.

Today, June 10, the topic will be “Yard Work Using Tools”

Monday, June 13, “Swimming Pool Safety”

Thursday, June 16, “Sun Exposure”

Thursday, June 23, “Ladder Safety”

Tuesday, June 28, “Avoiding Falls”

Wednesday, June 29, “ATVs, Scooters, etc.”

Thursday, June 30, “Grilling and Cooking.”

Plant Swap, 6/14

The fourth annual BNL plant swap “tailgate” will be held on Tuesday, June 14 (rain date June 16), at Berkner Hall parking lot, 11:30 a.m. - 1 p.m. All are welcome to bring in plants, seedlings and cuttings, and/or take plants home. Contact Beth Blevins, Ext. 6033 or blevins@bnl.gov.

Arrivals & Departures

Arrivals

Dianne Lee Chemistry

Jorg Schwender Biology

Daniil Stolyarov Physics

Takashi Umeda Physics

Departures

Charles Dunford ES&T

Ganga Ghimiray Plant Eng.

Xinhua Lin Medical

Kimberly Mayer Biology

Joseph Mead Plant Eng.

William Medeiros ERD

Eduard Nicolescu Physics

Wonho Oh Comp. Science

John Orris Plant Eng.

Sanjay Padhi Physics

John Sheehan ERD

Lin-Shen Sun Rad. Ctrl.

Patricia Valli Physics

Charles Yezek Plant Eng.

Denise White EENS

Judy Ann Wilson Plant Eng.

Service Anniversaries

The following BNLers celebrated service anniversaries during March 2005.

40 Years

William Anderson C-A

Charles Carlson C-A

Kenneth Asselta Physics

30 Years

Antonino Realmuto ES

Elizabeth Gilbert HR&OM

Elizabeth Mogavero Physics

Nereida Santiago ES&T

25 Years

William Hempfling ... Director's Off.

James Wegrzyn ES&T

Glaister Fraser Ctrl. Fab. Svcs.

Joseph Zebuda C-A

Richard Jackimowicz Magnet

Robert Danowski Plant Eng.

20 Years

Triveni Rao Instrumentation

Joseph Carbonaro NNS

Zohreh Parsa Physics

Diana Teich BSD

10 Years

Regina Paquette Finance

Humberto Palacios C-A

Syed Khalid NSLS

Latesha Smith NNS

Edward Dabrowski C-A

Glenn Anderson C-A

Laura Jones ITD

JPMorgan Chase Challenge, 7/26

Says Jim Marron of the Business Systems Division, who, each year, organizes a BNL team for the annual JPMorgan Chase Corporate Challenge, “Consider this your personal invitation to the Long Island’s largest corporate picnic as part of Team BNL 2005.”

On July 26 at 7 p.m., literally thousands of runners and walkers from hundreds of corporations will be meeting at Jones Beach for the Long Island version of this international event, explains Marron. Races will have already been run in Chicago, Singapore and ten other cities throughout the world when the starter’s gun goes off and sends over 8,000 Long Island participants on their 3.5 mile journey from parking field 5 by Zach’s Bay.

This will be the 29th consecutive year of this event. The Challenge will take place in 15 cities in six countries on five continents this year. JP Morgan Chase makes a donation through the Corporate Challenge to local charitable organizations in each host city. The benefactors of the Long Island event will be: The Boutlon Center for the Performing Arts, The Center for Developmental Disabilities, Inc., and Family Residences and Essential Enterprises, Inc.

The top teams from each event are invited to New York City in October for the Championship. BNL teams, both men’s and women’s, have scored invitations to compete in these championships in most of the years that the Lab has entered. Last year, the top BNL men’s team was featured on the JP Morgan Chase website.

Competitive Running, Yet Walker-Friendly

While this is a very competitive running event, it is also very walker friendly. At the 7 p.m. start, there will be two starting lines. The runners — racers — will use one starting line and the walkers (the majority) will use the other. Either way, participants will cover the same course in what many consider to be one of the most beautiful parks in the world.

Whether you finish in 18 minutes or 90 minutes, the picnic is not to be missed, says Marron, “We will have coolers of refreshments and six-foot heroes to help you ‘carb’ back up after the event. Bring your beach chairs and your appetite and meet us under the tent with the Brookhaven National Lab banner prominently displayed.” To take part in this event, which costs \$30 all included, contact marron@bnl.gov or call 344-6222 by July 8 to register.

Fidelity Investment Counseling, 6/29

A Fidelity Investment representative will be at the Lab on Wednesday, June 29th, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 45-minute appointments by calling (800) 642-7131.

Two Great BERA Trips

Gourmets! Culinary Institute of America Trip, 7/5

On Tuesday, July 5, a Lab holiday, BERA is sponsoring a trip to the Culinary Institute of America, up the scenic Hudson Valley in Hyde Park. The luxury coach will leave the Brookhaven Center at 8 a.m., reaching the Institute in time for a delicious three-course lunch at 11:30 a.m. in the Ristorante Caterina de’ Medici, lauded by the Zagat Survey as a “place for a memorable meal,” and a 2004 winner of the Ivy Award. After an appetizer of house-made mozzarella, roasted peppers and mixed greens; an entrée of herb-crusted chicken with rosemary sauce, and a dessert of frozen zabaglione custard with amaretti crumbles, participants will be well-fortified to tour the Institute and see how some of the delectable meals are prepared. Buy your \$42 ticket, which includes everything, at the BERA Store in Berkner Hall, weekdays, 9 a.m.-3 p.m.

Get Going, Great Adventurers, 7/15

Tickets are on sale now at the BERA Store for a trip to Great Adventure on Friday, July 15. The price of \$30 per person includes fare for the coach bus, which leaves the Brookhaven Center at 7 a.m. and returns at approximately 10 p.m.

Calendar

(continued)

Wednesday, 6/15

U.S. Technologies Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from U.S. Technologies, Inc. will present BNLers with information about testing, repair, engineering and manufacturing services on all older, legacy electronic subassemblies. U.S. Technologies is the exclusive factory authorized repair center for LeCroy LRS and Oscilloscopes. Fernando Ortiz, 800-234-0862, Ext. 256 or fernandoo@usttechnologies.com.

*Scharff-Goldhaber Prize Ceremony

3 p.m. Large Seminar Room, Physics Department, Bldg. 510. All are welcome. See notice, page 2.

Thursday, 6/16

Lunch Talk: Sun Exposure

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on sun exposure. All are welcome.

Friday, 6/17

*Movie Night and Dancing

6:30 p.m. Berkner Hall. The BERA Social & Cultural Club will show the film *Happy Ever After*. Then, dance until midnight at the Brookhaven Center club. Buy tickets at \$10 for adults, \$5 for students with ID, and children under 12 years, at the BERA Store in Berkner Hall, or from Rudy Alforque, Ext. 4733. See page 4 also.

Saturday, 6/18

*Indian Classical Dance

4:30-7 p.m. Berkner Hall. Dances will be presented by Jayalakshmi Eshwar, founder and director of the Abhinay School of Dance. Tickets are \$8 for adults and \$5 children over 5 years, and \$30 for a family. Snacks are included. See notice, page 4.

— WEEK OF 6/20 —

Mon.-Fri., 6/20-24

*2005 RHIC & AGS Users' Meeting

Workshops and plenary sessions. See notice on page 2 and go to www.bnl.gov/rhic_ags/users_meeting/.

Mon., Tues., 6/20-21

*Blood Drive

9:30 a.m.-3 p.m. Brookhaven Center. See notice on page 4.

Wednesday, 6/22

Brookhaven Lecture, 'E-RHIC'

4 p.m. Berkner Hall. Vadim Ptitsyn, Collider Accelerator Department, will give the 405th Brookhaven Lecture on “E-RHIC.” All are welcome to this free public lecture.

Thursday, 6/23

Phoenix Contact Demo

11 a.m.-2 p.m., Berkner Hall. Representatives from Phoenix Contact will display terminal blocks, industrial connectors, lightning and surge protection equipment, instrumentation, power supplies, automation equipment, relays, and more. Mike, 973-715-8006.

Lunch Talk: Ladder Safety

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on ladder safety. All are welcome.

— WEEK OF 6/27 —

Tuesday, 6/28

Lunch Talk: Avoiding Falls

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on avoiding falls. All are welcome.

Wednesday, 6/29

Noon Recital: Pianofest

Noon. Berkner Hall. Paul Schenly with soloists from the Pianofest workshop. All are welcome. Visitors to the Lab of 16 and over must carry a photo I.D.

Lunch Talk: ATVs, Scooters, etc.

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on ATVs, Scooters, etc. All are welcome.

Thursday, 6/30

Lunch Talk: Grilling, Cooking

Noon-1 p.m. Berkner Hall, Room D. Safety at Home talk on grilling and cooking. All are welcome.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

Please: Donate food cans in the BNL Food Drive bins. Hungry Brookhaven Town people need your gift.

Give Blood, Give Life



Roll Up Your Sleeve: Blood Drive, 6/20&21

BNL is holding a blood drive on Monday and Tuesday, June 20 and 21, from 9:30 a.m. to 3 p.m. in the Brookhaven Center. Donors must be from 17 to 75 years of age, in good health, and weighing over 110lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number.

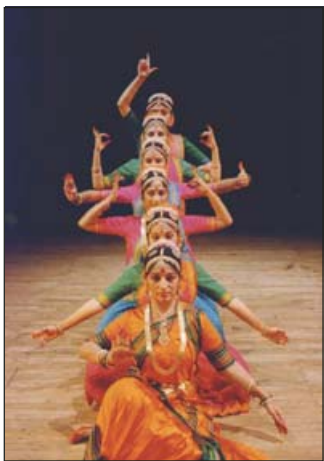
To make an appointment, contact Susan Foster at Ext. 2888 or e-mail donateblood@bnl.gov. In your message, include your name, phone extension, and preferred time to donate.

An Evening of Indian Classical Dance, 6/18

Join the BERA Indo-American Association on Saturday, June 18, 4:30-7 p.m., in Berkner Hall, for an evening of Indian classical dance. The dances will be presented by Jayalakshmi Eshwar, founder and director of the Abhinay School of Dance, which promotes Indian culture and art for able and handicapped students.

Tickets are \$8 for adults, \$5 for children over 5, \$30 for a family, with discounts for seniors and students.

Snacks are included. Buy from: Sharadha Sambasivan, Ext. 4862, sharadha@bnl.gov, Kumi Pandya, Ext. 7734, pandya@bnl.gov, Piyush Joshi Ext. 3847, joshi@bnl.gov. See also <http://geocities.com/TheTropics/Harbor/1595/iaaEvents.html>.



UPTON NURSERY SCHOOL HEAD TEACHER - Pre-school cooperative seeks P/T Head Teacher. Located at Brookhaven National Lab our small, fun cooperative nursery school for 3 to 5 year-olds is looking for an experienced, certified Head Teacher for a part-time position. Successful candidate should have at least 6 months' teaching experience, preferably as Head Teacher. We are looking for an enthusiastic, sunny personality who is able to develop/enhance curriculum, schedule and conduct parent/teacher conferences, manage a Teaching Assistant and parent helpers and work with the school's board. Candidate will be expected to establish and maintain daily routine and should feel comfortable and confident with multi-national children. We offer normal kindergarten readiness topics with a focus on language and social skills in a warm, friendly, fun and pressure-free environment. We follow the Longwood calendar. Contact 727-8082 or send your resume and salary requirements to Search Committee, Upton Nursery School, P.O. Box 324, Upton, NY 11973.

Classified Advertisements

Motor Vehicles & Supplies

04 SUNNYBROOK SOLANTA - 3310 Travel Trailer, sleeps 10, awning, pwr jack, much more. Mint. \$18,200. Ext. 5055 or 929-7225.
02 WILDWOOD 29BHSS - Travel Trailer, rear bunkhouse, slide-out, 20' awning, hitch inc., pwr hitch, great. \$15,500. Ext. 3914.
02 VW JETTA GLS - 2.0 L, Red w/blk int., 5-spd manual, excel., loaded, must sell. 31K mi. \$11,500/neg. Ext. 5284 or 924-4237.
01 YAMAHA MOTORCYCLE - Roadstar Silverado 1600cc, maroon/brown, studded seats & sddl. bags. 7100 mi. \$5,500. 645-5844.
99 DODGE DURANGO - a/c, p/w, p/l, cd, new tires. 72K mi. \$10,500/neg. 874-0404.
98 FORD TAURUS - 6-cyl., 4dr, a/c, am/fm, all pwr., new tires. Excel. cond. Must sell. 80K mi. \$4,800/neg. Judy, Ext. 5263 or 744-2545.
98 FORD CONTOUR - 4dr., a/c, am/fm, a/t, c/c, all pwr., new batt. & tires, excellent condition. 88K mi. \$4,100/neg. Yiquan, 395-5474.
98 FORD F150 - a/t, 4wd, a/c, p/s, ABS, new tool box, am/fm/cass, prem. wheels. Strong truck, clean. 52K mi. \$10,200. 286-6492.

97 CHEVY VENTURE - Family Ext. minivan. FWD, p/s, p/w, a/c, a/c, p/l tilt wheel, more. Excel. cond. 81K mi. \$5,500/neg. 473-8958.
96 CHRYSLER CIRRUS LXI - 4-cyl, a/t, a/c, abs, c/c, p/w, leather, good cond, recent insp, Carfax info. 75K mi. \$3,000. Mark, Ext. 2247.
95 VW PASAT 9LX WAGON - a/t, heated front seats, pwr. moon roof, excel. cond. 96K mi. \$3,500. Kurt, 585-9775.
95 BUICK SKYLARK - Drk grn/tan int., 4dr., 6-cyl, a/t, a/c, p/s, p/b, p/w, p/l, am/fm/cd, excel. cond. 102K mi. \$1,800/neg. 398-3379.
95 MITSUBISHI ECLIPSE RS - 4-cyl, 2-dr, a/t, a/c, cd, new tires, more, 166K mi. \$2,600/neg. Alexander, Ext. 4992 or 925-586-3089.
94 BMW 325i CONVERTIBLE - Red/black top, low mil/, gar., a/t, a/c, c/c, p/b, p/w, cd, excel cond. \$7,800. Ext. 3005 or 874-9639.
94 LINCOLN TOWN CAR - reg. gas, dk. grey, leather, s/roof, am/fm/cass/10 disc/12 spkrs., 136K mi. \$3,700. 729-3399 or 516-446-1670.
92 LINCOLN TOWN CAR - 8-cyl, 4dr, excel., carriage roof, a/c, p/s, p/b, c/c, am/fm/cass, maint. recs. Ext. 5329 or 878-2215.
91 TOYOTA CAMRY - 4 dr., dk. red, new tires/brakes., 108K mi. \$800/neg. Ext. 6207.
90 CADILLAC SEDAN DEVILLE - V8, orig. mi., one owner, ice cold air, all pwr., mint, 33K mi. \$3,900. Ext. 5055 or 929-7225.

Boats & Marine Supplies

19' GRAMPIAN SAILBOAT - w/mrg., '73, up gd. to max, new elec., 7.5 ckipit., prsszd. wtr. \$4,500. Kathryn, Ext. 7229 or 821-0898.
25' CATALINA SAILBOAT - 1977 shoal draft, 1994 9.9HP o/brd., camper top, head, galley, sleeps 5, gd. cond. \$2,950. 631-878-2577.
25' CATALINA SAILBOAT - 1977 Catlina sailboat, shoal draft, camper top, head, galley, sleeps 5, 9.9HP o/brd. \$2,950. 878-2577.
25' MAXUM 2001 CRUISER - 230 hp, m/wave, stv., fridge, hot water, shwr., aft cabin, vht/f/f/df, full canv., \$31,900/neg. 645-2074.
POWER BOAT 19 - Double-V hull, 115 hp Johnson outboard, Trailer w/power winch. \$989. Dave, Ext. 5593 or 286 1975.

Furnishings & Appliances

CURIO CABINET - 60h"x16w", ask \$65, TV/ stereo table, 27H"x28W" \$40, white-washed oak. Linda, Ext. 7187 or 516-607-3549.
FURNITURE - Pine, early American, bunk beds, chairs, chest-of-drawers, hutches, professional office desk, much more. 208-0408.

Movie Night, and More! 6/17

On June 17, the BERA Social & Cultural Club will sponsor a screening of the film *Happy Ever After* — written, produced, and directed by a local Long Island talent, Anthony DiFranco. This event is in line with the mission of the club to promote social interaction and support and encourage the development of local talents in arts and culture.

The screening will be held at Berkner Hall. Before the show, at 6:30 p.m., a cold hero buffet will be served. The movie will start at 7 p.m. Before the start of the feature film, however, DiFranco will give a brief introduction to the movie, and add a few pointers and tips about independent movie production. After the movie, which will be at about 9 p.m., everybody who likes to dance is invited to a dance party at the North Ballroom at the Brookhaven Center for general dancing until midnight. Coffee, tea, and cookies will be available at that time.

Tickets will be sold in advance: \$10 for adults, \$5 for students with ID, and children under 12 years. Tickets are available at the BERA Store at the Cafeteria, or from Rudy Alforque, Ext. 4733, or rudy@bnl.gov. If there are extra proceeds after expenses, some of the money will be donated to the Dr. Mow Lin Scholarship Fund that is being administered by the BERA Asian Pacific American Association.

Hospitality Summer Picnic, 6/25; NYC Bus Trip, 7/9

The Hospitality Committee invites the Lab community to celebrate summer at a Summer Fun Picnic, on Saturday, June 25 at 4:30 p.m., at the apartment area gazebo. A DJ, drinks, and plenty of watermelon will be provided; bring a salad, main dish, or desert to serve 6-8 people to share. For more information, contact Cindy Ottemann at cjottabb@optonline.net or 849-2646.

LEATHER SOFA - Full size, off-white, 4 years' old, gently used, nearly new condition. Cost \$1,000, asking \$400. 689-8685.
LOVESEAT - Jamesport Sterling, rose/teal plaid, excel. cond. \$25; slipcover, neutral color, paid \$100+ sell for \$35. 803-0506.
MICROWAVE OVEN - Blitton, works well, medium size, \$15. Ext. 4213 or 444-5576.
SHOWER ENCLOSURE - Neptune 36X36 complete encl. + hardware. \$100. John, Ext. 4028.

Audio, Video & Computers

COMPUTER MEMORY - 512M PC133 memory module, perfect upgrade for old computer, \$30. Yiquan, 395-5474.
P4 COMPUTER - 3.2 Gb, 512RAM, 160 Gb HD, DVD burner. HP Media Center ed., not used. \$700 neg. Dwight, Ext. 2982 or 834-8535.
PLAY STATION 1 - with game, controller and memory card, \$60. Chris, Ext. 2094 or 929-5008.
ROUTER - Linksys Cable/DSL router, Model BEFSR41, \$10. Ext. 4844.
SCANNER/COPIER - HP ScanJet 200C color, flatbed, hardly used, b/o. 208-0408.
STUDIO GEAR - Digitech Quad V2 \$150. "Micro Korg" virtual analog keyboard with built in vocoder. new, \$290. Maxim, Ext. 3621.

Sports, Hobbies & Pets

BIKE CARRIER RACK - Holds 3 bikes upright in bed of pick-up, bike sec. by fr. axles. Like new. \$40. Ext. 3476 or 839-2936.
EXERCISE - Universal 4-station machine, extra weights, best offer. 208-0408.
EXERCISE - Pace Master Pro Plus II Treadmill \$1,000; Body by Jake Ab Scissor \$250. Both in excel. cond. Sue, Ext. 4931.
METS TICKETS - Tuesday & Friday games avail., Loge, Section 5, 2 seats, face value. Rodney, 751-7023.

Tools, House & Garden

EXTENSION LADDER - 24' fiberglass, hvty. duty, rated for electr. work, garaged, infreq. used. \$100/obo. Ext. 3476 or 839-2936.
LAWN TRACTOR - Toro 12 HP lawn tractor, Model No. 57400. Easy Empty Grass Catcher incl. New batt. \$600/obo. 588-2227.
LEAF BLOWER - Homelite, gas-powered, runs well, \$65. Chris, Ext. 2094 or 929-5008.
TABLE SAW - 10" blade, 42x32 base, heavy duty, \$100/obo. 208-0408.

Miscellaneous

BASS GUITAR - Alien model, lightwt., headless Steinberger copy, dual pick-ups, new strings, hard case. \$150. Peter, Ext. 2913.
BED CANOPIES - 2 canopies, suspend from ceiling, twin size, very girly, violet chiffon/satin/sequins. \$5 ea. Ext. 7746 or 580-2940.
BICYCLE - Land Rider, 17" auto-shift, \$250; Escort Passport 8500 radar/laser detector, like new, \$150. George, 725-4068.
BRIDAL GOWN SLIP - full netted half slip, brand new, never worn, \$40. 878-2239.
CANOPIES - 10x10, white, used once, \$35/ea., ip bar, complete w/round table, 2 seats & umbrella, \$195. Rodney, 751-7023.
ELECTRONIC GAMES: - Hand-held, batt. op. Baseball, football, hockey, soccer, Donkey Kong, Space Invaders. \$2 ea. Ext. 2913.

FREELANCE GRAPHIC DESIGN - invitations, book covers, illustrations, advertisements. Proficient in many mediums. Jen Asselta, 816-0493.
OUTBOARD MOTOR - 4hp Evenrude w/ remote, 6-gal. tank, \$125; radio control airplanes, some w/receivers, 475-7620.
TICKETS - 3 Broadway tickets to MOVIN' OUT for Sunday, July 10 at 3 PM. Center orchestra row L. \$100/ea. Laura, Ext. 2520.
TOM PETTY CONCERT TICKET - June 21st, Jones Beach Section 2, Row JJ, \$50. Kay, Ext. 2719.
TRAINING SYSTEM - Gazelle - Tony Little's Freestyle Elite Aerobic/Resistance, pd. \$415, ask \$175. Bill, 395-9610.
WOOD BURNING STOVE - 1979, made by Vermont Casting Corporation. 399-5738.

Yard & Garage Sales

CENTER MORICHES - 12 Sinnickson Street, Sat., 6/11, 9 a.-3 p. Hsehold., clothes, bikes, boat. Mary, Ext. 2815 or 874-0437.
EAST MORICHES - Sat. 6/4, Multi-family, Mntauk. Hwy to Woodlawn to Newport Beach Blvd to Linda, go left, take to end. 878-5449.
SHOREHAM - 8 Dartmouth Rd., 6/18, 9 a.m.-3 p.m., potted fig trees, \$10/ea. and hydrangeas, \$5/ea. John, 744-5867.
YAPHANK - Col. Woods, 20 Bartlett Commons, mvng. sale, Sat. 6/4, 8 a.-3 p. 924-5798.

Community Involvement

DANCE CLASSES - African & belly dance classes forming. Relaxed setting, no dance experience necessary. 804-9474.

Happenings

REVIVAL - Rev. James Bolton, of Bolton Bro., Nashville, Tenn., guest spkr., 6/15-17 at 7:30 p.m., 6/19 at 10 a.m. St. Paul Community Church, Riverhead, Elder Morris, 727-8041.

Free

CD ROM - approx. 25 CDROMS, beige, take one or many. Don, Ext. 7237 or 929-6571.
CEILING FIXTURES (2) - Each requires five light bulbs. Dejan, Ext. 3078.
ORGAN - Hammond double keyboard for your church or organization. Penny, 472-3706 or 645-7816.
SOFA - Black leather slip sofa. You pick up. Dejan, Ext. 3078.

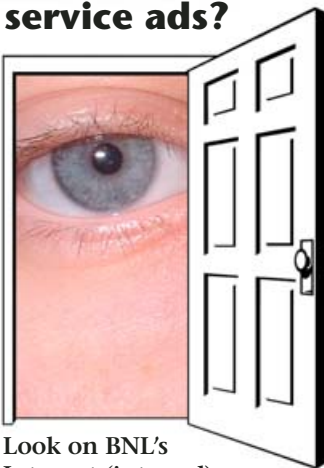
Wanted

BOOKS - Want all new or used books, any cond. I pick up. Ext. 3018 or 347-453-5749.
COLOR TV SET - In working order to be used in the 'Whiz Bang' Show during Lab Summer Sundays. Barbara, Ext. 4458.
PEOPLE - to eat fresh organic produce & support local L.I. farming. Co-op delivers carton of fresh-picked organic produce each week to BNL for each member to pick up. Fee: \$400/season, June through Nov. Call Ext. 6102 for more info, or to join.
SURF BOARD - extra-long Hawaiian. Paul, 204-1234.

For Rent

CENTER MORICHES - 4-bdrm. waterfront house, 2 bath, dock \$2,100/mo. 261-7908.
CENTER MORICHES - 1-bdrm apt., full bath, eik. pking. Util incl. \$750/mo. 516-592-0692.

Looking for the service ads?



Look on BNL's Intranet (internal) website at <http://intranet.bnl.gov/ads/displayAdsAll.asp> or call Ext. 2345.

the city at 6 p.m. The cost for adults is \$10, children 2-12, \$5; payments must be made in advance (cash only please). To make reservations and arrange payment, e-mail Hanna Herman at haniaherman@yahoo.com or phone 631-849-2249.

E. SHIRLEY - furn. bdrm, sep. ent., m/wave, eik, no smkg/pets. 1 mo. sec. 5 min. to beach, stores. \$750/mo. Ext. 8321 or 804-8609.

MEDFORD - new 2-bdrm., bsm't apt. Lg. kit., lg. dr/lr, side yard, off st. pkg., utils incl., no smkg/pets, \$1,200/mo. 374-3967.

MILLER PLACE - furn. Col. house, central a/c., fenced b/yard, deck, own 14x12 bdrm. internet/tv. 9 mi to BNL. Non-smoker. \$700/mo. 744-8396.

ORLANDO, FL - 5 Star Resort, flex. wk. & # of units, pools, restaurants, activities, 5 min. to Disney, \$700- \$1,500/wk. 210-497-6546.

RIDGE - 1 bdrm. apt., priv. ent., lg. eik, bath, new appl., cac, backyd., 4 mi. to BNL, avail. 7/1, 1 mo/sec., incl. all, \$750/mo. 675-0159.

RIDGE - 3-bdrm. apt., eik, d/r, l/r, bath, sm. yd. & drway., sec/ref/credit check, no smkg/pets, avail. 7/1, all \$1,550/mo. 886-1446.

RIDGE - 1-bdrm apt, l/r, eik, bath, w/d, a/c, cable & utils incl., no smkg./pets, pvt. d/way, & ent., 5 min to Lab. \$1,175/mo. 236-9114.

SHOREHAM - Spacious 1-bdrm part furn., grd. fl. apt, l/r, d/r, kitch, full bath. Priv ent., drvy prkng, Util incl. No smk/pets, single. \$950/mo. Judy, Ext. 5263 or 744-2545.

SOUND BEACH - 3 bdrm. house, 1-1/2 baths, d/r, eik, d/w, w/d, lg. closets, new paint, hdwd. floor, fenced yd., deck, MPSD, no smkg/pets, plus util./sec. \$1,675/mo. 744-8673.

WADING RIVER - 4 bdrm, 2 bath, new carpets, new paint, 8 miles to Lab, SWR schools, \$2,100/mo. John, Ext. 4028.

YAPHANK - Col. Woods, 2 bdrm. condo, 2 stories, full bsmt, w/d hookup, d/w, a/c, priv. pkg., avail. 8/01. \$1,350/mo. 924-5798.

KISSIMMEE, FL - Vacation Home 3 mi. to Disney, 5 bdrm/4 bath, Pool/Spa, 6/27-7/2, \$750.00; 8/20-27, \$1,175.00; www.family-vacation-homes.com. \$750/wk. 889-5303.

For Sale

CORAM - New ranch, 3 bdrm, 2 bath, master bed & bath, 1250 sq.ft, skylight, full bsmt, 28 acre, dead-end st, rent w/opt. to buy. \$380,000/neg. Jimmy, 662-4696.

EAST PATCHOGUE - 4-bdrm Col.,cedar fr. porch, 1-car gar., l/r, d/r, eik, den, 2.5 bath, hardwood floors, 3 walk-in closets, bsmt, 1/3 acre. \$375,000. 475-8099.

PATCHOGUE - Roe Blvd. area. 2+ bdrm ranch, loft w/play area, hardwood floors, t/p, cac, igs, updated kit., 1.5 baths, new roof, fin. bsmt, shed. \$369,000 758-2536.

RIDGE - 1.3 acres, opp. land reserve, all permits to build, foundation dug, city water avail. Mins. to Lab. \$275,000/neg. 255-8445.

ROCKY POINT - 1-bdrm cottage, brand-new roof, siding, floors, & bdrm; mins. to beach, beach rights. \$239,000/neg. 255-8445.

SETAUKET - Lakes at Setauket Condo, 3 bdrm/2.5 bath, eik, gar, a/c (2-zone), skylight, lake front, patio, awning, new Pergo, paint, many new updates \$499,000/neg. 828-8112.

ARUBA - Marriott, ocean view. Can exchange. \$16,500/neg. Robert, Ext. 7238.

On-Site Service Station

Oil changes, new brakes, tires, N.Y.S. inspections, batteries, timetable replacements - all this and more can be completed at the on-site service station, Upton Industries, Inc., while you are at work. Call Ext. 4034.