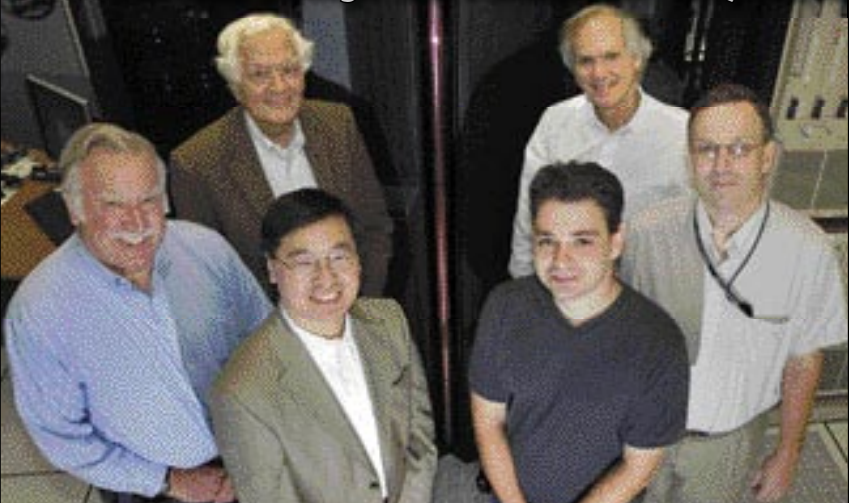


BNL Operates New Supercomputer

Donated Through IBM's Shared University Research Program



Roger Stoutenburgh 01/26/05

In front of the new IBM pSeries supercomputer are Yuefan Deng (left, front), James Glimm (left, back), both from Stony Brook University's Department of Applied Mathematics & Statistics; Carl Anderson (left, middle), BNL's Biology Department; and James Davenport (right, back), BNL's Computational Science Center, who were all instrumental in getting the Shared University Research Program grant; and Matt Cuttler (right, front) and Keith Lally (right, middle) from BNL's Information Technology Division, who installed the new

BNL's Computational Science Center (CSC) is now in charge of operating a new pSeries supercomputer, which IBM donated to Stony Brook University (SBU) as part of its Shared University Research program, a nationwide initiative that promotes collaborative research. The supercomputer, valued at about \$500,000, can perform nearly a trillion mathematical calculations per second, and has 32 processors as well as a visualization engine. The supercomputer will be used

to support research at BNL, SBU, and Cold Spring Harbor Laboratory.

"We are delighted with the IBM gift, which adds a strong university component to our computing capabilities, especially in biology and nanoscience," said James Davenport, CSC Director.

The supercomputer will help to advance many science projects at Brookhaven. For example, massive computing power is needed for computational biology — determining the struc-

tures of proteins, an important step in revealing the mechanisms of diseases and drugs. In nanoscience, researchers are studying nanoscale palladium clusters for possible use in hydrogen storage for fuel cells, among other projects that require massive computing power. The IBM supercomputer will also facilitate fluid dynamics studies, which have many applications, including improving the efficiency and decreasing pollution of diesel engines, (continued on page 2)

Director's Message

As I announced in an all-employee e-mail last week, we expect that the final 2006 Federal budget will contain a substantial cut from 2005 in operating funds for Brookhaven, particularly in the area of nuclear physics, which now reflects the President's original budget request. On Wednesday, November 9, the House of Representatives voted to approve the portion of the budget that includes DOE funding, and the Senate approved their companion bill this past Monday. We should receive more detailed budget numbers from the various DOE program offices over the next several weeks.

The cuts were unexpected because we were successful earlier this year in efforts in both the House and Senate to have operating funds restored to the budget. In conference negotiations completed last week, however, that money was reallocated to other areas.

This came as a significant shock to us because when a program has funding in both bills, it is almost a certainty that the money will survive the conference. We are doing everything we can to mitigate these cuts and hold on to our most valuable resource — our employees.

Our best chance now is for Congress to authorize DOE to reprogram some funds within the budget, which could help BNL. Our elected officials, including Senators Schumer and Clinton, and U.S. Representative Bishop, are working in that direction.

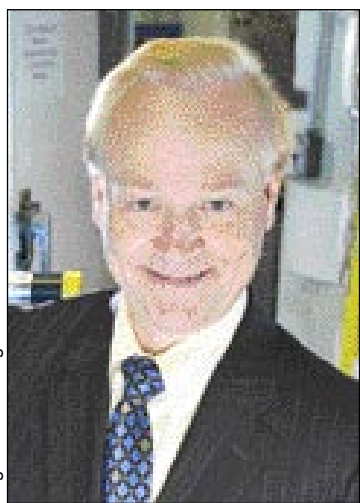
If the budget stands in its current form, there will be a significant impact on the Laboratory, and we will likely see layoffs at levels approaching what we had last year. We've also been hearing that an across-the-board reduction of two to five percent is being considered to help offset the cost of the past summer's hurricanes, and that would worsen the impact on BNL.

I've scheduled a special policy council meeting next Tuesday to discuss alternatives and other cost-cutting measures to protect as many jobs as we can.

— Praveen Chaudhari

IEEE Honors ALD Ralph James With Outstanding Achievement Award

Ralph James, Associate Laboratory Director for Energy, Environment & National Security, has been honored by the Institute of Electrical and Electronics Engineers (IEEE) Nuclear and Plasma Sciences Society as the recipient of the 2005 Radiation Instrumentation Outstanding Achievement Award. James received the award, consisting of \$2,000 and a plaque, on October 25, at the IEEE



Roger Stoutenburgh 01/08/05

Nuclear Science Symposium in Puerto Rico. He was cited for "experimental and theoretical contributions leading to the development of semiconductor radiation detectors and innovative field-portable instrumentation."

Among James' many contributions has been the development of a new class of small semiconductor-based

radiation detectors that can work very efficiently at room temperature to detect both x-rays and gamma rays. He also developed lightweight, hand-held instruments to carry these detectors, making them easily portable. The detectors, made either of cadmium zinc telluride or mercuric iodide, as well as other materials, can identify specific isotopes responsible for the radiation. Many

of the devices have been commercialized, and applications include medical imaging, nuclear nonproliferation, environmental monitoring, and nuclear and space sciences.

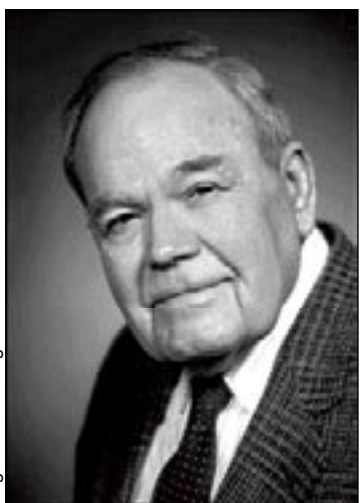
"I am honored to receive this award," James said. "I could not have brought the detector materials and fabrication (continued on page 2)

BNL Retiree Herbert Kouts Honored With George C. Laurence Award

Herbert Kouts, a senior physicist who retired from BNL in 1989, has won the American Nuclear Society's (ANS) George C. Laurence Award for pioneering contributions to nuclear safety.

The award, presented at the November 15 ANS meeting in Washington, D.C., consists of \$1,000 and an engraved plaque with the citation: "In recognition of his pioneering contributions to advancing nuclear safety and his remarkable career of leadership in initiating, guiding and executing national and international programs of great and lasting importance."

"I am grateful to receive this award," Kouts said. "At Brookhaven, I supervised the study of light water-cooled reactors, and, later, under the first



Roger Stoutenburgh 10-8/05-08

President Bush and President Clinton, I worked to insure the safety of the nuclear weapons establishment as a member of the Defense Nuclear Facility Safety Board. I'm pleased that my contributions have been acknowledged by the American Nuclear Society."

Kouts, who earned a Ph.D. in physics from Princeton University, first joined BNL as an associate physicist in 1950 to

head the Reactor Shielding Group at the Brookhaven Graphite Research Reactor, which operated until 1968. In 1952, he became head of the Experimental Reactor Physics Group, then head of the Reactor Physics Division in 1956. In 1963, he won DOE's E. O. Lawrence Award for his research on reactor development. (continued on page 2)

BNL Wins Liberty Mutual Gold Safety Award

On November 7, to recognize Lab employees' achievement in working 1,534,403 hours without a lost time injury for the period of May 11 through September 8, William Brandt and Theresa Moschetta, representatives from Liberty Mutual presented BNL with a Gold Award for Safety. This is BNL's first award from the company since becoming insured by them over 25 years ago. Accepting the award on BNL's behalf were Jim Tarpinian, Assistant Laboratory Director for Environment, Safety, Health & Quality (ESH&Q); Patricia Williams, Manager of the Safety & Health Services Division (SHSD); and Jack Ellerkamp, SHSD Safety Engineering Group Leader.

The citation on the award describes the relationship of Liberty Mutual and (continued on page 2)



Roger Stoutenburgh 01/13/05

From left: Theresa Moschetta, Jack Ellerkamp, William Brandt, James Tarpinian, and Patricia Williams.

Google Distinguished Engineer Acharya To Talk on Google Search Engine, 12/5

Anurag Acharya, Distinguished Engineer at Google, will give a talk titled, "Searching Scholarly Literature: A Google Scholar Perspective," in Berkner Hall on Monday, December 5, at 11 a.m. Sponsored by BSA, the company that manages BNL, the talk is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Used by researchers all over the world, the Internet search engine called Google Scholar is a fresh approach to discovering and accessing scholarly literature. In his talk, Acharya will describe the key challenges that Google overcame in designing the search engine and the general principles that underlie its design. He also will describe Google Scholar's collaborations with libraries to increase visibility of their vast repositories.

Anurag Acharya earned a bachelor's degree in computer science and engineering from the Indian Institute of Technology, Kharagpur, India, in 1987, and a Ph.D. in computer science from Carnegie Mellon University, in 1994. He was a postdoctoral researcher at the University of Maryland at College Park from 1995 to 1997, before he became an assistant professor in the Department of Computer Science at the University of California, Santa Barbara, a position he held until he joined Google.

— Diane Greenberg



Roger Stoutenburgh D0001105

Lending a Helping Hand to BNL's United Way Drive

CALENDAR OF LABORATORY EVENTS

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

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

Mondays & Wednesdays: Pilates

Mondays at noon, Wednesdays at 5:30 p.m., both in Rec. Hall. 9-week session, \$60 for once a week, \$70 for twice a week. Registration is required. Christine Carter, Ext. 5090.

Mondays & Thursdays: Kickboxing

\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

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

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

Tues. & Thurs: Aerobics

5:15-6:30 p.m., Rec. Hall. 10 classes for \$40, or \$5 per class, pay as you go. Pat Flood, Ext. 7866.

Tues. & Thurs: Aqua Aerobics

5:15-6:15 p.m. \$20 to attend once a week, \$40 to attend twice a week. For more information, call Ext. 2873.

Tues. & Thurs: Jazzercise

Noon-1 p.m., Rec. Hall. \$88 for twice-a-week eight-week session, you may use the membership at several Jazzercise locations. Christine, Ext. 5090.

Tue., Thu. & Fri: Upton Nursery School

8:30 a.m.-noon, Rec. Hall. 2- and 3-day programs available. Kati, 821-4131.

Tuesdays: Welcome Coffee

10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

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/toastmstrs/.

Tues., Wed. & Thurs: Rec Hall Activities

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

Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Fang Dong, 871-5362.

Wednesdays: Weight Watchers

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

Wednesdays: Yoga

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

Wednesdays: Ballroom Dance Class

\$30/pers./6-weeks. Brookhaven Center, N. Ballroom. Beginner rumba, 6 p.m., adv. foxtrot, 7 p.m. Instructor: Giny Rae. John Millener, Ext. 3853; Madeline Windsor, Ext. 5069.

Thursdays: Reiki Healing Class

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

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

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

Pictured (above) at BNL's United Way fund drive kick-off breakfast on November 2 are: Doon Gibbs, Associate Laboratory Director for Basic Energy Sciences (BES) Directorate, and Mary Campbell, BES, who are this year's United Way Chair and Co-Chair, with Lab Director Praveen Chaudhari and many of the volunteers who "Lend a Helping Hand," in the words of this year's theme, to make the campaign a success. The drive will run through December 9. A pledge form has been sent to each employee; by completing and returning the form, contributors may donate in a one-time gift or via payroll deduction over the span of 2006. Directions for donating are on the pledge form.

More than 175 large and small agencies receive financial support from United Way, including some that might not otherwise exist.

BNLers can also support the drive in the following ways:

Volunteer Days Program, October 15-December 31

In the Volunteer Days Program, BSA provides \$20 to the United Way campaign for every hour of employees' volunteer work, up to a ceiling of \$10,000. For more information about the many volunteer opportunities and to obtain forms, contact Maria Beckman, Ext. 5483, or Beth Blevins, Ext. 6033.

Holiday Gift Auction, December 7-8, 11 a.m.-2 p.m.

Berkner Hall lobby. To contribute, contact Joanne Rula, Ext. 8481; Linda Sinatra, Ext. 6042; or Lois Caligiuri, Ext. 4397.

Yard Sale, December 7-8, 11 a.m.-2 p.m.

Berkner Hall Lobby. To donate to the yard sale, contact Chris Johnson, Ext. 7636.

50/50 Raffle tickets, December 7-8, 11 a.m.-2 p.m.

Tickets will be available for sale during the Holiday Gift Auction.

Used Books Sale, December 7-8, 11 a.m.-2 p.m.

Used books will be sold at the holiday auction. To contribute, drop books at the Human Resources Bldg. 185.

International Food Tasting, December 9, noon-1:30 p.m.

Taste homemade culinary cuisine from around the world, at the Recreation Hall. Buy tickets at \$10 from Jennifer Lynch, Ext. 4894, or at the Holiday Auction. Tickets are limited by space constraints.

Holiday Gift Wrapping, December 19-22, 11 a.m.-2 p.m.

Berkner Hall lobby. Contact Joanne Rula, Ext. 8481.

Kouts Honored With Lawrence Award (cont'd)

Kouts was one of the five co-inventors of the High Flux Beam Reactor, in operation from 1965 to 1999. Upon signing of the patent for the reactor, he was awarded \$25 from the Atomic Energy Commission (AEC). In 1968, Kouts became the first head of the new Technical Support Organization at BNL, which was established to advise and assist the AEC on nuclear safeguards.

In 1973, Kouts took a leave of absence from BNL to join the AEC as the Director of the Division of Reactor Safety Research. In 1975, he became Director of the Office of Nuclear Regulatory Research for the newly formed Nuclear Regulatory Commission. He returned to BNL in 1976 as Head of the International Safeguards Project

Office and became Chair of the then Department of Nuclear Energy in 1977.

Kouts became a member of the International Nuclear Safety Advisory Group of the International Atomic Energy Agency (IAEA), in 1985, and following the Chernobyl nuclear reactor accident in April 1986, he co-authored the IAEA's report on Chernobyl and became an authority on the incident.

In 1988, Kouts stepped down as chair and remained at BNL as a senior physicist. He retired in 1989 to start a second career as a Presidential appointee to the Defense Nuclear Facility Safety Board, an agency that oversees the nuclear safety at DOE defense facilities. He remained in that position until 1997.

— Diane Greenberg

Holiday Gala Ball, 12/9

Two BERA Clubs, the Social & Cultural Club and the Ballroom Dance Club, are sponsoring a Holiday Gala Ball on Friday, December 9, 7 p.m.-midnight, at the Brookhaven Center. A hot buffet will be served, 7-9 p.m.

Dancing starts at 7 p.m., and special performances will be given by "Dance Magic" with Dance Club members and Stony Brook University's student dance team. All are welcome at this public event. Visitors to the Lab of age 16 or over must carry a photo ID. Buy tickets, at \$25 each, at the BERA Store in Berkner Hall; or from Rudy Alforque, Ext. 4733; John Millener, Ext. 3853; Madeline Windsor, Ext. 5069; Donna Grabowski, Ext. 2720.

BNL Receives Gold Safety Award

(cont'd)

its customers as "engaged in a great mutual enterprise" to "help people

live safer and more secure lives." To this end, Liberty Mutual's Loss Prevention Departments present various safety awards to customers and their employees for outstanding results in accident prevention.

Customer safety awards comprise four main levels: Safety Commendation, Silver, Gold, and Excellence. The criteria for receiving the Gold Award includes Lost Workday Cases Rate Injury & Illnesses of at least 80 percent better than the Bureau of Labor Statistics. BNL met these criteria by having zero "days away, restricted or transferred cases," known as "DART cases" over 1.5 million work-hours, placing BNL in the top 10 percent of industry.

As Brandt and Moschetta explained, the achievement is particularly distinctive because BNL has such diverse operations. Of the 100,000 customers that Liberty Mutual serves, BNL is unique in that it is a multidisciplinary laboratory with a

BROOKHAVEN @ WORK:
One Hundred Twenty-one
DART-free Days

variety of hazards and programs, such as fire/rescue, research facilities and laboratories, police operations, and facilities maintenance. Many of Liberty Mutual's clients perform only one or two operations.

Said Tarpinian, "This success was achieved at BNL because of a number of factors, including a strong employee commitment to helping each other work safely, increased management attention to safety performance, and an elevated awareness of the importance of safety at work and at home." Nevertheless, he warns, "Despite this recognition, we must not become complacent. Safety requires vigilance, and we must pay attention every day."

BNL is one of a relatively small group of companies nationwide to win a Liberty Mutual Gold Award in 2005. Others who have received the Gold Award this year include Radio Shack, Hubbell Inc., H. J. Heinz Company, EnPro Industries, Old Castle Stone Products, UPS, Novelis, and Turner Construction Company.

BNL Operates New Supercomputer

(cont'd)

modeling of supernova explosions, and designing targets for a new generation of high energy accelerators.

The architecture of the pSeries supercomputer is similar to IBM's Blue Gene, currently the world's most powerful supercomputer, with more than 100,000 processors. "This pSeries supercomputer is a possible stepping stone for researchers in terms of learning how to use IBM's Blue Gene, which we may acquire in the future as our need for more powerful computing grows," Davenport said.

BNL will provide operational costs for the pSeries computer, and BNL's Information Technology Division will maintain it. Hundreds of researchers are expected to use the new computer each year, including more than 100 graduate students in computational sciences.

The pSeries computer has about one-tenth the power of each of the two other supercomputers housed at Brookhaven. The RIKEN BNL Research Center supercomputer, called QCDOC for quantum chromodynamics on a chip, funded by RIKEN – The Institute of Physical and Chemical Research in Japan, with infrastructure support from DOE's Office of Science, and another QCDOC supercomputer funded in full by DOE's Office of Science are primarily used for calculations in quantum chromodynamics, the physics theory that describes the interactions of subatomic quarks and gluons.

— Diane Greenberg

IEEE Honors Ralph James

(cont'd)

technology to fruition without the help of very talented people from Department of Energy labs, academia and industry. It is particularly gratifying to see that these devices have become useful in numerous areas, from identifying tumors to safeguarding nuclear materials."

James joined BNL in his current position in June 2001. He oversees a wide range of basic and applied research, including the development of counter-terrorist technologies. He holds nine patents, and his scientific accomplishments in the area of advanced radiation detectors won him *Discover* magazine's "Innovator of the Year" award in the field of imaging in 1997. He also is a four-time winner of *R&D Magazine's* R&D 100 Award and a co-winner of one of the National Association for Seed & Venture Capital Funds' "World's 50 Best Technologies" awards. In 2004, James was honored with the Room-Temperature Semiconductor Radiation Detectors Scientist Award at IEEE's Nuclear Science Symposium and Medical Imaging Conference.

— Diane Greenberg
See also www.bnl.gov/bnlweb/pubaf/pr/PR_display.asp?prID=05-87.

In Memoriam: Guy Mastrion

Guy Mastrion, who first worked at the Lab as a summer recreation assistant, 1966-70, started his 32 years as a regular part-time Recreation Program Representative in 1973. He died on October 16, 2005, at the age of 69.

Christine Carter, Recreation Program Supervisor, says, "Guy was an integral part of the BNL Summer Camp Program and worked behind the scenes in the gym, pool, and in Recreation, making sure that everything ran smoothly. He also participated in softball, both at BNL and off site in many leagues. Guy was a social studies teacher and coach in the Longwood School District and was also Principal of the Middle School for many years. His contributions to BNL, Longwood, and his community will long be remembered."

Says Gerry Shepherd of the Safety & Health Services Division, "I must highlight Guy as an accomplished athlete and champion of sports; he was also a devoted family man and an exceptional educator and administrator. As a member of the BERA Blue Jay team, I remember playing many a softball playoff game against our number-one nemesis — the Phoubars, the team Guy coached and played for, back in the day. They won many a softball championship! I know all the BNL athletes and

friends will miss him dearly."

Mastrion is survived by his wife, Millie, son Guy, daughters Geralyn Dallo and Gail Ports, and all their families, including son-in-law Doug Ports of the BNL Policy & Strategic Planning Directorate, and seven grandchildren. A Guy Mastrion Scholarship Fund has been set up and is accepting donations. Checks may be made payable to the fund and sent to Longwood Schools Superintendent, Dr. Gerstenlauer, 35 Yaphank Middle Island Rd, Middle Island, NY 11953, or sent on site c/o Christine Carter, Bldg. 179B.

— Liz Seubert



Hempfling, Hauser Discuss Budget, HR Issues

On Tuesday, November 1, Bill Hempfling, Director of the Human Resources & Occupational Medicine Division, and John Hauser (below), Assistant Laboratory Director for Finance, hosted a "brown bag" lunchtime discussion on budget and human resources issues in Chemistry's Hamilton Seminar Room. Approximately 50

employees attended the discussion, with an additional 70 watching the event live on WBNL. After presenting information on the Lab's budget situation for FY '06 and the continued trend in rising medical benefits costs, Hauser and Hempfling took questions from those in attendance and watching online. Most of the questions dealt with proposed changes to medical benefits for FY '06. For those interested employees who were unable to attend, the brown-bag discussion was videotaped and archived, and can be watched on WBNL at www.bnl.gov/video. The event was the fifth of its kind in the past year, and is part of a continuing series of lunchtime discussions meant to focus on issues of interest to the BNL community.



Bus Trip to NYC Holiday Lights, 12/10

The Hospitality Committee invites BNLees to join a bus trip on Saturday, December 10, to see holiday celebrations in New York City. The bus will leave from the Recreation Building in the apartment area at 9 a.m. and will leave the city at 5 p.m. The cost for adults is \$10, children 2-12, \$5. To make reservations, contact Monique de la Beij, 399-7656 or mdelabey@optonline.net. Payment must be made before the trip, at the Recreation Bldg. on Tuesday, 12/6, 10:30-11 a.m., or on Wednesday, 12/7, 10-10:30 a.m.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, 11/23; Tuesday, 11/29; Wednesday, 11/30; Wednesday, 12/14; Tuesday, 12/20; and Wednesday, 12/21; to answer employees' questions about financial matters. The consultant will help you to understand the importance of protecting your assets against inflation, find the right allocation mix for you, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Kathy Murphy, (866) 842-2053, Ext. 4625. (Not the on-site Ext 4625.)

Wanted: All Kinds of Used Books, for Resale

Gently used books of all kinds are being collected for resale at the United Way Holiday Auction to be held 12/7 and 12/8, 11 a.m.-2 p.m. To donate books, bring them to Human Resources, Bldg. 185. Soft covers will sell at \$.50, hard covers at \$1.

BNL, Local Middle Schools Improve Math Achievement



Michael Herbert D149305

About 240 middle school teachers and parents of middle school children from ten Long Island school districts recently came to BNL to learn techniques for integrating mathematics into the teaching of science and technology. BNL's Office of Educational Programs (OEP) offered the day-long workshop as part of the Math, Science & Technology Partnership (MSTP) Project, which began in 2003 with a \$11.5 million grant from the National Science Foundation to Hofstra University to improve middle school achievement in mathematics.

While Hofstra manages the MSTP Project, additional partners include BNL, the City University of New York, the New York State Education Department, and Stony Brook University. Local school districts participating in the grant are Amityville, Brentwood, Freeport, Hempstead, Longwood, Riverhead, Uniondale, Westbury, William Floyd, and Wyandanch.

A highlight of the BNL workshop was a talk given by BNL senior chemist Stephen Dewey, Chemistry Department, about how he uses mathematics in his research, which involves studies of neurotransmitters in the brain, behavioral pharmacology and animal models of addiction. Dewey's research may lead to drugs that effectively treat various forms of addiction.

In the photo are (from left) Riverhead Middle School teachers Bob Scheidet, Pat Passanante, Ann Priapi, Chris Malanga, and Tom Liao, with Gail Donoghue, OEP, who organized the BNL workshop.

— Diane Greenberg

Stress Management for Caregivers Lecture, 12/1

Are you dealing with health problems of aging parents? Do you feel stressed in juggling family/job/caregiver roles? To learn how to keep your sanity while caring for a loved one, join Nancy Losinno, BNL's Employee Assistance Program Manager, on Thursday, December 1, noon-1 p.m. in Berkner Hall, Room B, where she will present "Stress Management for Caregivers." To register for the talk, complete the form sent to you and send it to Linda DiPierro, Bldg. 490. For more information, contact DiPierro, Ext. 2733 or ldipierro@bnl.gov.

Elder Law Seminar, 12/15

Join Nancy Burner, former president of the Suffolk County Women's Bar Association and a member of the National Academy of Elder Law Attorneys, on Thursday, December 15, from noon to 1 p.m. in Berkner Hall where she will present the elder law seminar "Long Term Insurance: What's New — Do I Need It?" Check your mailbox for registration forms. Return completed forms to Michael Thorn, Bldg. 490. Contact Thorn at Ext. 8612 or mthorn@bnl.gov.

Arrivals & Departures

— Arrivals —	
Xiangyun Chang.....	C-A
William Chase.....	C-A
Weimin Gao.....	Env. Sci.
Joachim Lonien.....	Biology
Daniel Orsatti.....	ITD
Jaishree Subramani.....	HR/OM
Fabiano Yokaichiya.....	NSLS
— Departures —	
Wolfgang Caliebe.....	NSLS
Ronald Hauser.....	CFS
Laura Mgrdichian.....	CEGPA
Terrence Mroczkowski.....	C-A
Christopher Robertson.....	PPM

Potluck Dinner, 11/19
Join in Thanksgiving

On Saturday, November 19, at 5 p.m. at the Recreation Hall in the apartment area, the Hospitality Committee will hold a Thanksgiving potluck dinner. All BNLees are invited to attend. The Committee will provide the traditional turkey and side dishes, including stuffing, mashed potatoes, sweet potatoes, and pumpkin pie. Everyone is asked to bring a dish for six people to share. All are welcome. For more information, contact Lisa Yang, 878-3937 or lisayang@optonline.net.

BERA Activities, Trips, More

Holiday Party, Friday, 12/16 - The Holiday Party will be held at the Three Village Inn in Stony Brook, 7 p.m.-midnight. Tickets at \$50 per person include an open bar, reception, dinner buffet, dessert, and dancing to a DJ. Ticket purchase deadline is 12/8. Buy tickets at the BERA Store, Monday-Friday, 9 a.m.-3 p.m.

Bus Trip to New York City Sunday 12/4 - Enjoy a day in NYC to shop, see Rockefeller Center, and more. Bus tickets are \$10 per person for adults and children. Pay for your reservation at the BERA Store. The bus will leave from Brookhaven Center at 9 a.m. and will leave the city at 5 p.m. The drop-off/pickup point in the city is in mid-town, behind the New York Public Library.

To learn about BERA activities, such as the Blue Man Group show trip, 1/15, or the American Museum of Natural History trip, 2/11, see www.bnl.gov/bera/recreation/events.asp. To join fitness classes, see www.bnl.gov/bera/linkable_files/Fitness%20flyer-Nov2005a.pdf.

CALENDAR
(continued)

— THIS WEEKEND —

Friday, 11/18

Book Fair
10 a.m.-3 p.m. Berkner Hall. Books and gifts at up to 70 percent discounts. All are welcome.

Saturday, 11/19

***Celebrate Diwali, Festival of Lights**
3:15 p.m. Berkner Hall. The BERA Indo-American Association invites all to a cultural program of music, dance, with traditional Indian dinner at 7:30 p.m. Buy tickets at BERA Store today, \$12 adults, children 8-12, \$8, or e-mail gupta@bnl.gov until noon tomorrow, 11/19. See notice, page 4.

***Hospitality Potluck Dinner**
5 p.m. Recreation Hall. Thanksgiving dinner. See notice, below left. Lisa Yang, 878-3937.

— WEEK OF 11/21 —

Mon.-Wed., 11/21-23

BNL Annual Arts & Crafts Show
11:45 a.m.-1:30 p.m. daily, with opening reception with refreshments 5-7 p.m., Monday, 11/21. Sponsored by the BNL Art Society. All are welcome to come and view gifted creations by artistic Lab community members.

Thurs.-Fri., 11/24-25

Holiday Closings
The Lab will be closed on Thursday and Friday, 11/24-25, in observance of the Thanksgiving Holiday of 11/24.

— WEEK OF 11/28 —

Monday, 11/28

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.

Sunday, 12/4

***BERA Bus Trip to New York City**
9 a.m. Brookhaven Center. Bus leaves for NYC. Tickets are \$10 each. Buy at the BERA Store, Berkner Hall. See notice below, left.

— WEEK OF 12/5 —

Monday, 12/5

BSA Talk About Google Searching
11 a.m. Berkner Hall. Anurag Acharya, Distinguished Engineer at Google, will talk on "Searching Scholarly Literature: A Google Scholar Perspective." All are welcome at this free, BSA-sponsored talk, open to the public. See story on page 1.

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.

Lab Art, Crafts Show Next Week



Roger Stoutenburgh D1011105

All are welcome to visit the 2005 Lab Community Art and Crafts Show, which will be held in Berkner Hall, Room B, Monday-Wednesday, November 21-23, 11:45 a.m.-1:30 p.m. daily, with an opening reception with refreshments on Monday, November 21, 5-7 p.m. Artists and crafters of many diverse areas of interest will be exhibiting their work, which will range from a huge model airplane soaring overhead, to fretwork, painted china, photographs, children's toys, and other unique, fascinating expressions of creativity. Photographed with some of their work are two of this year's participants in the show: Barry Lafler (above, right) and James Young.

Lafler of the Chemistry Department, a prize-winning scientific glassblower, has over the years been applying his technique to artistic projects requiring greater and greater skill and talent: now, his "master craftsman" glass creations are at a peak of excellence. Recently, in addition to his stemware, vases, and nature-inspired "flowering" candlesticks, Lafler has been experimenting with a line of elegant pendants of brilliant or subtle colors that he will be also displaying at the upcoming art show.

Young has been attending the annual BNL Art Show ever since he came to the Lab to work at the on-site service station, Upton Industries, Inc. He enjoyed seeing some of the art so much, he says, that he decided to start painting for himself. For a year or two, he acquired experience using self-help techniques such as painting by numbers, then he became more assured and has ventured into his own creative world. This year, he will show three pictures: his vision of space, an oasis, and a family occasion.

Blues/Rock Concert at BNL, 12/3 Great Caesar's Ghost And Featuring Little Toby Walker, G.E. Smith

Back at BNL by popular demand, the blues/rock band Great Caesar's Ghost will give a concert in Berkner Hall on Saturday, December 3, at 7:30 p.m. Acoustic blues guitarist Little Toby Walker will open the show, and former "Saturday Night Live" band leader G.E. Smith will also be featured on the program. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

Great Caesar's Ghost is a seven-piece band that plays an authentic blend of Allman Brothers and Grateful Dead music, up-tempo blues, and material from the early '70s. Their music captures the spirit of bluesy rock with the sounds of their guitars, Hammond organ, and dual drum kits. Formed in 2003, the Long Island-based band has played at numerous local venues, including the Stephen Talkhouse in Amagansett.

Winner of the prestigious 2002 Memphis International Blues Challenge Award, Little Toby Walker is a gifted guitarist, singer, songwriter and storyteller whose music draws from traditional and contemporary blues, western swing, and ragtime. Walker peppers his musical performance with humorous commentary.

Buy tickets for the show at \$20 each at the BERA Store, weekdays, 9 a.m.-3 p.m., or through www.ticketweb.com.

Celebrate Diwali, Festival of Lights, 11/19

Part of proceeds to be donated To the American Red Cross

The BERA Indo-American Association invites all to celebrate Diwali, the Festival of Lights, tomorrow, Saturday, November 19, at Berkner Hall. The cultural program of Indian music and dances starts at 3:15 p.m., followed by a traditional Indian dinner at 7:30 p.m. Admission for adults is \$12; for children of ages 5-12, \$8.

This warm, family celebration draws more participation with each year. Tickets are still available at the BERA Store at Berkner Hall until 3 p.m today, or e-mail Ramesh Gupta, gupta@bnl.gov, until noon tomorrow, Saturday, November 19.

On-Site Service Station Tip of the Month

Upton Industries, Inc., the on-site service station, reports that several customers have been receiving traffic tickets for failing to have current NYS motor vehicle inspections. If your vehicle needs inspecting, you may call Ext. 4034 to schedule an inspection, preferably at least 10 days before the date on the sticker.

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

The following positions have been exempted from the freeze by the Deputy Director:

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

TB3725. SR. ADMINISTRATIVE SECRETARY (A-3) - Requires an AAS degree in secretarial science or equivalent experience of at least six years that includes at least two years at BNL. Must possess a thorough working knowledge of Laboratory and Department policies and procedures relative to the department, excellent oral and written communication skills, and must exercise initiative and good judgment and be a team player and proficient in processing information using a PC. Responsibilities include the effective operation and management of the Advanced Nuclear Concepts Group and Social Projects, and provision of support to the Division Office, including coordinating and directing all administrative office practices, policies, and procedures, arranging and processing domestic and foreign travel and maintaining group files. Responsibilities will also include interacting with personnel both inside and outside the Laboratory to coordinate and plan conferences and meetings both on and off site, in addition to arranging appointments, services, visitor paperwork, general information, and preparation of reports and presentations; handling multiple assignments and planning and coordinating priorities. Position may be part time or full-time – to be determined. Energy Sciences & Technology Department.

TB3106. PROJECT ENGINEER I (P-9) INDEPENDENT OVERSIGHT ASSESSOR – Requires a BS in science or engineering, MS preferred, with a minimum of ten years' Laboratory operations experience that includes environment, safety, health and quality. Knowledge of PAAA nuclear safety rules and management control systems and processes is desirable. Experience in risk assessment, project management, and information technology is a plus. Primary roles are to verify the effectiveness, efficiency, and adequacy of self-assessment programs at the Laboratory and lead and or participate in risk-based independent assessments. Will interface with senior management and must have excellent verbal and written communications skills. Internal Audit & Oversight Office.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

NS8568. MANAGER, SAFEGUARDS & SECURITY DIVISION (M-3) – Requires a bachelor's degree (advanced degree preferred), broad background in safeguards and security, to include extensive experience in nuclear security, nuclear materials control and accountability, and emergency management of security forces. Minimum of five years' experience in managing a major safeguards and security organization, such as a military unit or a Federal or private security organization is required, as is considerable skill in supervising large numbers of people and effectively dealing with upper management and other division managers. Excellent skills in oral and written communication, decision-making, budgeting, and interviewing are a must. Requires U.S. citizenship and the ability to obtain and maintain a DOE "Q" security clearance. Will be responsible for planning, organizing, managing, and directing Division activities and directing all safeguards and security activities at the Laboratory. Will develop policies and procedures; manage programs for the protection of nuclear materials, classified information, and other Laboratory assets; direct the nuclear materials control and accountability program; and form liaisons with Federal, state and local law enforcement agencies. Will ensure compliance with DOE and Laboratory policies and procedures pertaining to safeguarding and securing nuclear resources and other Laboratory facilities, equipment, and personnel. Will identify problems, weaknesses, and deficiencies in safeguards and security programs; develop solutions; and take corrective actions. Will prepare and manage the Division budget. Will serve as Laboratory Classification Officer. In security emergencies, will act as the Laboratory Emergency Supervisor. Reports to the

Assistant Laboratory Director for Facilities & Operations. Safeguards & Security Division.

NS3525. SR. APPLICATIONS ENGINEER (I-8, term appointment) – Requires a Ph.D. in high energy or nuclear physics with a strong background in computing. Expertise in C++ is expected, with at least four years' experience; experience in physics analysis software development strongly preferred. Familiarity with distributed computing, relational databases and large-scale data storage and management is desirable. Experience in the collaborative development of core offline software in large experiments also desirable. Will participate in the development of the core offline software of the ATLAS experiment at the LHC, with a particular focus on the petabyte-scale event store. Physics Applications Software Group/Physics Department.

NS2702. PUBLIC AFFAIRS REPRESENTATIVE/SCIENCE WRITER (A-4) - Requires a bachelor's degree in journalism, science or a related field and a background in science and science writing. Master's degree in science writing preferred. Excellent communications skills are necessary, including writing, interviewing and reporting. Must be able to communicate complex issues to a general audience and to develop multiple projects simultaneously. Computer literacy a must; experience with desktop publishing highly desirable. Will be assigned halftime to the Media, Communications, and Production Services Office and halftime to the National Synchrotron Light Source Department. CEGPA Directorate.

Motor Vehicles & Supplies

04 KAWASAKI 1500 CLASSIC VULCAN - Extra pipes & bike cover. 400 mi. \$8,500/neg. Cell phone 631-764-2970. 591-1400.

04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu. b/r, lg. bath, bunks, storage, excel. cond., used 5 times. \$21,500/neg. 924-0139.

02 YAMAHA YZ250F - 4-Stroke Motocross bike, auto-decompression, perfect cond, like new. \$3,200. 886-1417.

96 VW JETTA - 4-dr., 4-cyl., 5-spd., a/c, c/c, p/s, p/w, in-dash CD, gd mpg, excel. cond. in & out. 120K mi. \$3,000/neg. 689-3892.

94 PONTIAC FIREBIRD - must sell, 6-cyl, new tires, T-tops, stereo, & batt., excel. cond. 101K mi. \$2,500/neg. Mark, Ext. 2238.

92 FORD TAURUS - v.gd cond., 4cyl. 4dr., leather seats, a/t, a/c, c/c., p/b, p/l, p/s, p/w. 146K mi. \$1,200/neg. Ext. 2931.

91 HONDA CIVIC - 4dr., a/t, am/fm/cass. Just passed inspection. Runs well. 121K mi. \$1,350/neg. Cesar, Ext. 7821 or 344-1087.

81 HARLEY DAVIDSON FXB STURGIS - excel. cond., 24K mi. \$8,500/neg. 466-0603.

69 CHEVROLET CORVETTE - a/c, a/t, 350, T-tops, am/fm/cd, mech. excel., clean int., gd. body, runs well. \$18,000/neg. 325-9671.

CARGO CARRIER - Hitch-mounted, requires 2 inch hitch, has wooden slat sides. Asking \$100. David, Ext. 7277.

Boats & Marine Supplies

18' 1998 SEARAY 175 BOW RIDER - w/ trailer, canvas, 130 Mercury IO, low hours, excel. cond. \$9,000/neg. 286-7291.

Furnishings & Appliances

BEDROOM FURNITURE - Girl's white oak desk w/hutch \$250, matching head board \$100. Photo avail. Ext. 3085 or 744-4535.

BEDS - 2, both w/mattress, frame & boards, queen, \$40; twin, \$25; wooden changing desk, \$15. Vlado, Ext. 2559 or 949-2010.

CABINETS, COUNTERTOPS - kitchen, vanity cabinets, granite and Corian countertop, must go, best offer. 924-0139.

COMPUTER DESK - oak lam., file drawer, shallow drawer, keybrd. tray, 2 side bks/lvs. 29" h, 26.5" d, 53" w. \$50 neg. 689-5372.

COUCH & LOVESEAT - multicolor, gd. cond., 5 1/2 years old, no pets, no kids, pics. avail., ask \$300. Barbara, Ext. 3431.

TABLE & HUTCH - table 65"x42" with leaf add 16", 4 chairs, hutch 51"x16"x80" h, Col. oak wood, excel. cond. \$1,000. 758-2340.

FLOOR LAMP - brass, \$25. Photo upon request. Tom, Ext. 3085 or 744-4535.

FOLDABLE BED - For camping, unused, \$25. Pic. avail. Vlado, Ext. 2559 or 949-2010.

SOFA & LOVESEAT - hunter green. 5 yrs. old. Excel cond. \$800, neg. Ext. 3397.

WALL UNIT - 3-piece wall unit, glass and mirror, asking \$400. 375-2980.

Audio, Video & Computers

NOTEBOOK COMPUTER - HP Pav. ZV541 US. 60Gb hd, still w/warr. 1Gb mem., AMD Athelon proc., ask \$599. Norm, 681-5575.

OFFICE XP - Small business ver. 2002, new, sealed, Word, Excel, Outlook, Publisher. Best offer. Don, Ext. 7237 or 929-6571.

PDA - PalmOne Tungsten T-5 PDA. never used, w/warr, unopened access. Worth \$700, ask \$400. Frank, Ext. 2022 or 586-0779.

TV - 27" Philips stereo TV, Panasonic VCR & DVD player, black wooden entertainment stand, all \$140. Vlado, Ext. 2559 or 949-2010.

Sports, Hobbies & Pets

BEER BREWING SUPPLIES - assorted, cheap; child's bike, Trek, 20", \$65, Trek mt. train 3rd. wheel bike trailer, \$85. 723-0211.

FISH/REPTILE TANKS - 75-gal. tank w/ stand, 25 and 10 gal. tanks avail. Moving, must sell. Best offers. Nicole, 849-3165.

NORDIC RIDER - NordicRider exerciser by NordicTrack \$200. Photo upon request. Tom, Ext. 3085 or 744-4535.

Tools, House & Garden

ARC WELDER - a/c 230/115 volts, 100 amps max. output. Carbon arc torch & cart incl. \$100 firm. Ext. 5551 or 772-4751.

RIDING MOWER - Sears, 30-in. cut, 8HP, sgl blde, golf type, w/3 fwd, 1 rvs trans. Nds tire, attchmts., \$125. Ext. 4166 or 277-0464.

SOLAR WATER HEATER - 2 panels, 4'X4' plus circulating pump. Not freeze proof, best for exper. or demo. \$10/obo. 286-2505.

Miscellaneous

BABY CRIB - ask \$50. Albert, 375 2980.

BLINDS - Pinewood, 60" wide, adj. length, new in box, bought wrong size. 2 sets, \$100 ea. 295-6030.

BOOKS - Cliff, Monarch Notes, many titles, \$1 each; 2 vol. set Joe Dimaggio pictorial, \$10. Morris, Ext. 4192.

COLLECTABLES - all Dept. 56, Yankee Stadium, retired, lighted, \$75; McGuire's Pub, \$50; Lighthouse, \$75. Cheryll, Ext. 2852.

COFFEE TABLE - \$10; ch/drwr, \$10; heater, \$10; m/wave, \$13; BBQ, \$5; lamp, \$10; slow cookr., \$10. 5sp. Shw. bike, \$25. 949-1159.

CROCKPOT - Like new, hardly used. Asking \$10. Barbara, Ext. 3431.

GLASS DOORS FOR FIREPLACE - "Bay-Brook" brushed brass, fits opening 28-38" w x 21-31-31.75" h. \$75. Kathy, 744-1706.

OIL FILTERS - Fram PH3614 & PH3682, STP S-02827 \$1 ea; Suncast Hosemobile 200 \$5; BBQ, no prop. tank, free. Ext. 5322.

WHEELCHAIR - brand new, batt. operated, cost over \$5,000, make offer. Joseph, Ext. 4669.

Community Involvement

CONCERT - Sound Symphony, 11/20, 2 p.m., Wm. Floyd HS, Peter and the Wolf with narrator from The Sopranos. Ext. 5056.

PANCAKE BREAKFAST - Sun. 11/27, adults \$10, kids under 5, \$5. Free Chinese auction & 50/50, at Quogue fire house, fundraiser for Benevolent. 8am-noon. Ed, 466-1917.

Free

BEDROOM SET - Qu. size set. White laminate, mirrored, w/lights & pier bridge, dresser, armoire. Good cond. 642-8043.

Wanted

FREE TURKEY COUPONS - Supermarket coupons wanted for distribution to area food pantries. Send to M. Beckman, Bldg. 120. Maria, Ext. 5483.

HOLIDAY SHOPPERS - beautiful jewelry for the holidays, crystal, etc., 12/1, noon, Bldg 459 computer room. Ruth, Ext. 3305.

LANDSCAPE UPKEEP - need person(s) to assist year round w/landscape upkeep. Ext. 8375 or 344-2812.

Lost & Found

LOST - diamond necklace w/platinum chain, recently lost in apartment area. Ext. 3525.

For Rent

EAST MORICHES - Freshly painted 1BR l/r, eik, Florida rm/extra storage, use w/d, off-street pkg, fire alarm syst, lovely area, walk to bay. \$900/mo. Nick, Ext. 4979.

MANORVILLE - 1 bdrm. apt., legal, lg. l/r, closet space, quiet, priv., main flr., heat, elec. & cable incl. \$1,100/mo. 878-8967.

PATCHOGUE - 2-bdrm. house, l/r, den, large kit., 1 bath, new carpet, fresh paint, ref. req. \$1,350/mo. 289-9727.

SHIRLEY - Large basement apt. All utilities except phone. Partially furn, suit. for one. One month + 2 mo. sec. \$750/mo. Ext. 3846.

SOUND BEACH - 1-bdrm, 1-bath house, 15 min to Lab & SUNY, new paint, pets okay, w/d, \$950/mo. John or Pete, Ext. 4028.

YAPHANK - Studio apt, fully furn, for one pers., priv. ent., 4 mi. to Lab, cable, high spd. internet, all incl. \$800/mo./neg. 924-3049.

NAPLES, FL - Seasonal rental, new condo in golf community, 2bdrm/2bath, HarTru tennis courts, pictures avail. \$600- \$1,100/wk. Denice, 631-208-0196.

For Sale

EAST MORICHES - Custom Cape (3 bdrm, 2 bath) on 1 acre. Great room w/stone fp. Priv. drive & setting. Oversized two-car gar. Fin. bsmt. \$575,000/neg. 878-3112.

EASTPORT - 4 bdrm, 1 bath, 1/2 acre. Stainless appliances, d/r, patio. Nr. school, water, and town. \$510,000/neg. 325-9671.

MASTIC - Manor Park, 3 bdrm, 1 1/2 bath, eat-in country kit., fin. bsmt., approx. 1/4 acre, all appl incl., 2 a/c, cath. ceiling in l/r, new roof & oil burner. \$319,000, 399-9210.

PATCHOGUE - 2 houses on 1 lot, legal rental. 1st h.: 3-4 bdrms. 2 bath, d/r; 2nd h.: 2-3 bdrms, 2 bath, fin. bsmt.; new kit, bath, boiler, windows in both. \$425,000, 289-3737.

SHIRLEY - open house, Sun., 11/20, 1-3 p.m., 40 Loughlin Dr., 3-bdrm., 1.5-bath Colonial, open flr. plan, d/r, l/r, sunrm., fin. bsmt., 16x32 agp, igs, \$383,900/neg. Ext. 8594.

WADING RIVER - 9-rm. Col., lg center hall, 5 bdrms, 2.5 baths, full bsmt., f/p, 2-car gar., lpg, igs, landscaped, SWRSD, owner motivated. \$589,999/neg. 929-6771.

NEWPORT, TN - 1.6 acre residential, corner lot., adj. to golf course. \$20,000/neg. tenn_land@yahoo.com, 513-8275.