

BNL, DOE Help Pair U.S., Indian Cities In Energy, Environment Best Practices

BNL and DOE's Office of Energy Efficiency & Renewable Energy (EERE) recently facilitated a memorandum of understanding between the cities of Atlanta, GA, and Ahmedabad in India, initiating a first-ever US-India cities partnership to share best practices in sustainable development, energy and environment. Under this program, other Indian cities such as Delhi, Mumbai, Chennai, Bangalore, Bhubaneswar and Vadodara will partner with U.S. cities such as Chicago, Denver, Columbus, Los Angeles, and San Francisco.



Pictured at Atlanta City Hall after the March 2008 signing of an Atlanta-Ahmedabad agreement for sharing best practices on energy and environment are: (from left) Ahmedabad Mayor Amit Shah, DOE's Mark Ginsberg, Atlanta Mayor Shirley Franklin and BNL's Vatsal Bhatt.

BNL's Vatsal Bhatt of the Energy Sciences & Technology Department and DOE EERE's Mark Ginsberg started the discussions on energy and environment between the cities, facilitated the partnership and provided technical assistance on various aspects of the collaboration.

"This grand experiment linking U.S. and Indian cities for energy, environment and good governance, will bring a win-win situation for all partners in promoting energy security and environmental sustainability," said Ginsberg.

"More than half the world's population is now urban, and, according to the United Nations, about 90 percent of future growth will take place in cities," Bhatt said. "It is vital to focus research and collaboration on pressing urban issues like energy and environmental quality, since city activities are responsible for nearly 75 percent of world greenhouse gas emissions." (continued on page 2)

436th Brookhaven Lecture and Earth Week Talk Fthenakis to Discuss 'A Grand Solar Plan'



Roger Stoutenburgh D31305061

April 21, in Berkner Hall. All are welcome to this free public talk. Visitors to the Lab of 16 and older must carry a photo ID.

As Fthenakis will explain, he and his co-authors propose covering thousands of square miles of the Southwest U.S. with photovoltaic arrays. These would convert sunlight into electricity, which would

then be distributed across the U.S. — potentially ending foreign-oil dependence, reducing the trade deficit, cutting air pollution, and slowing global climate change. Given oil's record price, the time for solar power as an affordable and technically feasible solution is now — if, according to Fthenakis, the U.S. makes the commitment and investment. Already, DOE's Solar America Initiative has set goals for making solar energy cost-competitive with conventional forms of electricity by 2015.

Fthenakis joined BNL in 1980. He received a diploma in chemistry from the University of Athens, Greece, in 1975, an M.S. in chemical engineering from

Columbia University in 1978, and a Ph.D. in fluid dynamics and atmospheric science from New York University in 1991. He is a Fellow of the American Institute of Chemical Engineers and the International Energy Foundation and a professor of earth & environmental engineering at Columbia, where he has a joint appointment with BNL.

He has served as a safety and environmental consultant for many major oil and chemical corporations in the U.S. Currently, Fthenakis heads the National Photovoltaic Environmental Research Center at BNL and is funded by DOE to help industry meet Solar America Initiative goals while they are maintaining safe and environmentally friendly facilities and products. In addition, he founded and directs the new Center for Life Cycle Analysis at Columbia University.

All who would like to accompany the lecturer for lunch on Wednesday, April 30, an off-site restaurant should contact Jeanie Frejka, frejka@bnl.gov, 344-2349. — Marsha Belford

PRL Celebrates 50th Anniversary Year With Retrospective of Milestone Letters



Sam Goudsmit



Simon Pasternack

Physical Review Letters (PRL) turns 50 in July 2008. As announced by Gene D. Sprouse, Editor-in-Chief of the American Physical Society (APS), which publishes PRL, the celebrations include the presentation each week of milestone PRL articles that made long-lived contributions to physics by announcing significant discoveries or by initiating new areas of research. A number of these articles report on work that was later recognized with a Nobel Prize for one or more of the authors.

Said Sprouse, "This retrospective is an excellent way to highlight the amazing quantity and quality of work reported in PRL and the key role of this journal in spreading new data and ideas so quickly. We are fortunate in having my predecessor as APS Editor-in-Chief, Martin Blume, as Editor of the retrospective, with the assistance of PRL Editor Yonko Millev. Marty's wide knowledge of physics and long experience as APS Editor make him especially well suited to this task."

Blume's role in the PRL retrospective is of particular interest to BNL, where he served for more than 40 years in a distinguished career of science and administration, and is now a BNL Senior Physicist Emeritus.

"To look through even part of the impressive body of past PRL articles is an extraordinary intellectual pleasure that more than balances the effort involved," said Blume.

In each year several thousand Letters are published, so it was decided to use as a first filter the 40 of each year that have been most cited — a reasonable task as all APS publications are now online and searchable, said Blume — and, as a second filter, the 40 most downloaded in the last five years — which gives a feel for the 'long legs' of an article.

"Some very important work will not be featured, but this is inevitable given the breadth and high quality of PRL's contents," he said.

Providing background information and a summary for each selected Letter is another challenge Blume enjoys. "It's easier for articles that later won a Nobel Prize, but other Letters can be very significant and in some ways even more interesting," he said.

The retrospective series started on January 2, 2008, with two important Letters from PRL in 1958. The next week saw the selection of a Letter from 1959, and so on. Each entry provides a summary of the selected Letter, (which gives free access to the

Some PRL History

Physical Review first came to BNL in 1951, when the American Physical Society appointed BNL's Physics Department Chair Sam Goudsmit as Managing Editor, and BNL physicist Simon Pasternack as Assistant Editor. Thus began a long history of the connection between the Lab and *Phys Rev*.

In 1958, Goudsmit founded *Physical Review Letters* (PRL) as a separate journal, which has since achieved fame and high prestige. The offices of both journals remained at BNL till the needs for space both on the part of the journals and of the Lab became too pressing. At that time, a new building was constructed across the road, off William Floyd Parkway.

In this Golden Anniversary of PRL, many celebrations are taking place, including the Milestone Letters (see accompanying story), articles on "Successful Letters," a timeline, a 50th anniversary symposium at Stony Brook on June 27, 2008, and a special symposium in China on July 8, 2008, jointly held by the APS and the Chinese Physical Society. A complete listing is available at <http://prl.aps.org/50years>. L.S.



Martin Blume

Joseph Rubinio D2200187

article), and a link to the Letter, and to more information. The series, which will continue up through the year 2000, can be followed from <http://prl.aps.org/50years/milestones>.

— Liz Seubert

One recent example of a Milestone Letter, the selection for 1968, is of especial interest to BNL:

1968
Nobel Prize in Physics - 2002
Search for Neutrinos from the Sun
Raymond Davis, Don S. Harmer, and Kenneth C. Hoffman
Phys. Rev. Lett. 20, 1205 (1968)
Present Status of the Theoretical Predictions for the 37Cl Solar-Neutrino Experiment
John N. Bahcall, Neta A. Bahcall, and Giora Shaviv
Phys. Rev. Lett. 20, 1209 (1968)
The path for Raymond Davis from the beginnings in the 1950s of his search for neutrinos from the sun to the 2002 Nobel Prize was long and uncertain — see his Nobel lecture (presented by Davis' son Andrew), reprinted in *Reviews of Modern Physics* 75, 985 (2003). It required the establishment of an observatory in a mine 1500 meters below ground level (to shield out other radiation that might give false signals) with a 380,000 liter tank of perchloroethylene, a cleaning fluid. The chlorine 37 nucleus

captures a neutrino and emits an electron, producing argon 37, which is then detected in a complex process. This requires a precise calculation of the theoretical production rate of solar neutrinos according to models of the solar interior. The vital theory was carried out by John Bahcall and coworkers over many years, in a long collaboration with Davis. The Letters presented here give initial results from the experiment and their interpretation. The solar neutrino puzzle, that only about one third the expected number of neutrinos was found by Davis, gathered over the years a greater measure of precision. For the resolution, which contributed not only to the understanding of the sun's interior but to the nature of neutrinos themselves, see Davis' Nobel lecture and *Phys. Rev. Focus* 10, story 18. The 2002 Nobel Prize was awarded to Raymond Davis and Masatoshi Koshiba for the development of neutrino astronomy, and to Riccardo Giacconi for the discovery of cosmic x-ray sources (see the 1962 Milestones). This particular Milestone is available directly from <http://prl.aps.org/50years/milestones#1968>.

Five Winners, Four Runners-Up Honored With Sitewide Safety Stewardship Awards

On March 27, five Brookhaven employees, Rich Ferrieri, John Gottlieb, Justin Wojciechowski, and Al Boerner and Mike Buckley jointly were given the 2007 Sitewide Safety Stewardship (S3) Award at a ceremony attended by senior Laboratory management, supervisors, nominators, and members of the Environment, Safety & Health Directorate, which organized the event. The S3 program recognizes outstanding awareness and implementation of health and safety improvements and corrective actions. Four BNers won honorable mention. They were: Paul Sparrow, Rich Allingham, Robert Metz, and John Berry. Descriptions of the five winners' safety contributions follow:

Rich Ferrieri

Rich Ferrieri has been proactive in reducing radiological risk



Roger Stoutenburgh ©1800308

Pictured at the Sitewide Safety Stewardship Awards presentation are: (front, from left) Mike Buckley, Paul Sparrow, Al Boerner, John Gottlieb, Justin Wojciechowski, Richard Ferrieri, Robert Metz; (back, from left) Robert Petricek, John Berry, Jeff Swenson, John Selva, Richard Allingham, Carol Ogeka, Patty Bender, and Ed Lessard.

for the Medical Department's Life Sciences Imaging Group by recording proper donning and doffing techniques of personnel protective equipment as well as proper self-frisking techniques. Under his leadership, a DVD was prepared that is shown to all new hires or appointments before they start research with radioac-

tive material. It is also periodically reviewed at Imaging Group meetings to increase worker safety awareness and involvement. Ferrieri's efforts are an important step toward reducing personnel contamination hazards.

Justin Wojciechowski

Justin Wojciechowski of the Safety & Health Services Division is the winner of the S3 "See Something/Say Something Award." While traveling to the Procurement and Property Management warehouse for his daily chemical inventory duties, Wojciechowski noticed that the steering on the BNL vehicle assigned to his group was sluggish, the brakes needed adjustment, and the tires were balding. After bringing this to the attention of his supervisor and administrative staff, the Motor Pool determined that, indeed, the vehicle needed a new steering mechanism and tires, as well as a brake adjustment. During the winter months, Wojciechowski also makes sure that the windows are cleared of ice and snow. His ac-

tions helped avoid possible accidents due to equipment failure and poor visibility and therefore protected the well-being of his co-workers.

John Gottlieb

John Gottlieb, supervisor of the Heavy Equipment Mechanic Operators within the Plant Engineering Division, took the initiative to locate equipment that provides safer access to the underside of machinery that previously required his staff to contort their bodies in order to complete a repair. Gottlieb was very involved in several demolition projects that required significant work planning and job oversight, and he reminds his employees that they have a right to ask questions and get answers. He also took the lead in upgrading the safe operation of several mobile generators after they caught fire because of a manufacturing design problem. The manufacturer was out of business and Gottlieb identified other resources that helped modify the equipment and had

it properly tested prior to placing it back into service.

Al Boerner & Mike Buckley

Al Boerner and Mike Buckley from the National Synchrotron Light Source (NSLS) Department were winners of the S3 Team Award. Boerner and Buckley were the main drivers behind a major improvement to Integrated Safety Management flow-down to suppliers using the web requisition process. The project helped assure that the work performed by contractors coming to the Laboratory would be managed through BNL work planning and controls requirements. Before this improvement, the Lab had no formal mechanism to capture contractor jobs in the work-planning system. This project also included clarification as to when a formal Health and Safety Plan is required from the supplier/contractor. If not for their initiative, this weakness might have gone unnoticed and led to potential incidents with suppliers performing work on site. — Kendra Snyder

In Memoriam

Marco Donno, who became a custodian in the Plant Engineering Division on August 26, 1985, retiring as a Supply & Material Division stores clerk on October 20, 2003, died at 67 on December 20, 2007.

Martha Hill, who joined the Medical Department as a registered nurse on November 1, 1949, and retired as Head Nurse on January 31, 1980, died at 85 on January 20, 2008.

U.S., Indian Cities Paired

(cont'd)

At the Lab, Bhatt works on studying climate change impacts and mitigation and long-term energy planning for DOE. Recent national and international debates on energy, environment and climate change have highlighted the importance of involving rapidly growing developing countries in sustainable energy, environment and development practices. To further this agenda, the U.S. government has shown great interest in collaborating with India, evidenced by the recent US-India Energy Dialogue, the US Clean Energy Trade Missions, the Asia-Pacific Partnership on Clean Development and Climate, and other initiatives.

"In the absence of a comprehensive national or state policy, cities can pioneer ground-breaking policies, as evident from various national and international cities' climate change initiatives," said Bhatt. For example, 830 U.S. mayors have already signed the U.S. Mayors' Climate Protection Agreement. Before coming to BNL, Bhatt worked in India on energy and climate change policies. With the understanding of U.S., Indian and world energy issues, he thought that rapidly growing Indian cities, which will be home to nearly 40 percent of Indians by 2021, would benefit from the US-India Cities partnership for sharing best practices in furthering the use of sustainable energy and environmental practices and technologies.

"DOE saw significant potential in such collaboration between cities of two burgeoning democracies, and this project was initiated in September 2007," Bhatt said.

BNL organized a videoconference in January 2008, where the U.S. cities of Chicago, Denver and Atlanta and the Indian cities of Delhi, Chennai and Ahmedabad highlighted their best practices in energy and environment. About 600 partici-

pants watched the video conference, including approximately 40 mayors and 35 city managers from other Indian cities.

The Ahmedabad/Atlanta partnership gathered momentum after Atlanta Mayor Shirley Franklin visited Ahmedabad in February to support activities of CARE International — a humanitarian organization working with women for social and economic uplifting. She invited Mayor Amit Shah of Ahmedabad to attend a conference on Greener Cities in Atlanta in March.

The two mayors signed the initial US-India Cities memorandum of understanding in March at Atlanta City Hall. Following the signing, Atlanta and Ahmedabad city delegations met to discuss mutual interests in energy and environment and to identify short- and long-term actions they wish to take. Follow-up discussions will take place every quarter.

In addition to the recent Atlanta-Ahmedabad agreement, partnerships between cities like Chicago and Delhi, Denver and Chennai and Columbus and Ahmedabad have initiated dialogues involving city officials and agencies, businesses, professionals, citizens and research and academic institutions.

The partnerships will focus on programs such as: green buildings, renewable power, alternative fuel vehicles, recycling, water supply and sanitation, and green government purchasing and business promotion, to name a few.

"Participating cities have been selected by their specific links based on the Sister Cities partnership that promotes economic development, education, media and cultural exchange," says Bhatt. "Existing city partnerships will be expanded to include energy and environment. The goal is to initiate a working mechanism for urban stakeholders to exchange mutually beneficial activities." — Kay Cordtz

Diversity Education Talk, 5/6

In celebration of May as National Asian Pacific American Heritage Month, the Diversity Office and the BERA Asian Pacific American Association will present a diversity education talk entitled "Unintentional Intolerance" in Berkner Hall on May 6, from 10 a.m. to noon. The presenter will be Steve Robbins, Ph.D., Chief "What If" officer at S.L. Robbins & Associates. All are welcome, with supervisory approval.

As Robbins will explain, research and experience tell us that we all have biases that we are often unaware of, or think little about. Yet, these biases guide our decision-making behavior and attributions on a daily basis. Could we be making "bad" decisions and engaging in exclusive behavior without knowing it? The answer is "Yes."

Robbins' powerful concept of "Unintentional Intolerance" has helped people to a better understanding of complex cultural competency issues in a safe and non-threatening manner. In his talk, he will explore the "hows" and "whys" surrounding unintentional intolerance. An expert communi-

cator, he engages his audiences with a dynamic blend of humor, stories and in-depth knowledge. Working with numerous individuals and organizations across the country, he has inspired and motivated listeners to be more mindful about inclusion and valuing others for their unique gifts, skills and experiences. Those who have heard his talks leave with greater curiosity, motivation and intentionality about creating inclusive environments

For more information visit <http://www.slrobbins.com/> or call Rosa Palmore, Ext. 2703.



Steve Robbins

'Compassion, Selfless Service: Pathway to Peace' Talk by Dayamitra Chaitanya, 5/8

Dayamitra Chaitanya, a disciple of Mata Amritanandamayi, or Amma, will give a talk on "Compassion and Selfless Service: Pathway to Peace," on Thursday, May 8, from 4 to 5:15 p.m. in Berkner Hall. Sponsored by BERA's Indo American Association Yoga Club, the talk is free and open to the public. Visitors to the Lab age 16 and older must bring a photo ID.

Amma is widely regarded as one of the world's foremost humanitarian leaders. Since she was a child in India, Amma has been dedicated to alleviating suffering through personal outreach. Currently, she helps those in need through a network of charitable organizations. Her unique meditation technique, called integrated amrita meditation, consists of a set of yoga exercises followed by meditation. The technique is a powerful tool for experiencing relaxation, concentration, and greater awareness, which is a pathway to peace and joy. Amma believes that "real meditation" is achieved when a person becomes selfless.

As manager of Amma's activities in the U.S., Canada, and Latin America for the past 14 years, Dayamitra is one of Amma's senior disciples, focusing on spreading her teachings of love and compassion. For more information, visit: <http://geocities.com/aumamma/Info.html> . — Diane Greenberg

Arrivals & Departures

— Arrivals —

Riccardo DeMaria..... C-AD
Jordan Hay..... Biology
Barbara Soeyadi..... HR/OM

— Departures —

Kirstie Stramler..... Env. Sci.

Talk: Healthy Travel, 5/7

The Occupational Medicine Clinic Staff will present a seminar on how to stay safe and healthy while traveling, whether for official Lab business or for pleasure.

This free talk will be held on Wednesday, May 7, from noon to 1 p.m., in the Medical Department Large Conference Room, Bldg. 490. All are welcome.

Welcome-To-Summer Dance Party, 5/2



The Kane Daily Band, featured in the BNL Music Club concert on March 28, will return to perform at the North Ballroom of the Brookhaven Center on Friday, May 2, 9 p.m. to midnight, at a dance social to celebrate the summer season. Earlier, at 7:45 p.m., a one-hour beginner West Coast Swing dance lesson will be given. Sponsored by the BNL Social & Cultural (S&C) Club, the event is open to the public. Visitors of age 16 and over must bring a photo ID.

Best known for classic rock, rockabilly, and blues, the band features Kane Daily on lead guitar and vocals; George Ellert, an experienced, enthusiastic bass player; Joe DeGaetano on keys; and the talented Al Henneborn on percussion. Tickets cost \$20 in advance at the BERA Store before April 30; or \$25 at the door if they are not sold out. Only 200 tickets will be made available. The cost covers a cold hero dinner buffet, cookies, and refreshments, 7-7:45 p.m., the dance lesson starting at 7:45 p.m., the band, 9-midnight, and DJ music between sets. Contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov for more information, or visit the S&C Club website at: <http://www2.bnl.gov/rudy/social/>

BSA Noon Recital, 4/23

Stony Brook Opera Previews Two One-Act Operas

Stony Brook Opera will perform a semi-staged preview of two one-act chamber operas, both based upon stories of plays by Anton Chekhov — Dominick Argento's *The Boor* and Lee Hoiby's *The Scarf* — on Wednesday, April 23, at noon in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages BNL, the concert is free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Contemporary American composers Argento and Hoiby are among the most highly respected and successful living opera composers. The two write in an accessible musical style, with natural and idiomatic expression for the voice and a real flair for the theatre. Argento's *The Boor* is a romantic comedy, whereas Hoiby's *The Scarf*, is a powerful tragedy centered around a love triangle.

BNL 4-on-4 Open Basketball Tournament, 4/24

On Thursday, April 24, BERA will sponsor a "4-on-4 Open Basketball Tournament" to be held from 5:15-7 p.m. with double elimination or round-robin. BERA will provide beverages and prizes. The tournament is open to all the BNL community. You do not have to have a team to participate. Individuals are encouraged to enter, you'll be put on a team! To register, contact Christian Chiaverini, Ext. 4244 or chiaver@bnl.gov by Monday, April 21. Include your name, your team name if any, and the names of other team members. Individual players, indicate that you need a team.

BERA Golf Welcomes New Members

The BERA Golf Association is now accepting applications for our 2008 Golf League. New members are welcome. For more information, visit the league website at www.bnl.gov/bera/activities/golf/ or contact Jeff Williams at Ext. 5587 or jwilliams@bnl.gov.

Volunteers Wanted, 5/3

For BNL's Elementary School Science Fair

BNL will host its 24th annual Elementary School Science Fair contest on Saturday, May 3. Scientific, engineering, and technical personnel are needed as volunteers to work with Suffolk County teachers as members of judging teams. Many other tasks involving the contest need other volunteers also.

BNLers are asked to encourage colleagues, family members, and friends to help. In the past, enthusiastic high school students have fulfilled community service requirements by volunteering for the contest. Runners are needed from 8 to 11:30 a.m., judges from 10 a.m. to 1:30 p.m., and award presentation and clean-up helpers from 1:30 to 4 p.m. Breakfast and lunch will be provided and all volunteers will receive a BNL polo shirt. Training for all volunteers will take place on the day of the fair.

For more information, or to volunteer, contact Bernadette Uzzi, Ext. 2756, or buzzi@bnl.gov.

Register for BERA Swim Program, 6/30-8/22

BERA will offer a swim program with a limited number of places outside the BERA summer camp for children or grandchildren of all Laboratory employees, retirees, visitors and facility users. The child must be able to stand flat-footed in the shallow end of the pool, with mouth above the water, approximately 42 inches tall.

Each child will be scheduled for one swimming lesson every week for a total of eight lessons. American Red Cross certificates will be awarded to those children who qualify. Classes will be held Monday through Friday, 2:15 to 3:15 p.m. Children should arrive at the BNL pool at 2 p.m. for preparation. The registration fee per child is \$80, with no make-up classes for missed swim lessons.

It is requested that bathing suits be modest and in good taste, and that girls wear one-piece bathing suits or a T-shirt top.

Register with the Recreation Office, Building 400, with an \$80 check made payable to BERA. Payment in full is due on or before June 6. For more information, call the Recreation Office, Ext. 2873 and see www.bnl.gov/bera.

Employee Lunchtime Tour: The Tandem, 4/25

On Friday, April 25, all are invited to join the next Employee Lunchtime tour on a visit to the Tandem Van de Graaff, now in its 38th year of service to science. Meet the group at noon in Berkner Hall upper lobby to be taken on the tour, which will return to BNL by 1 p.m. The primary injector to the RHIC Collider complex, the Tandem provides the various ion species which are accelerated into the Relativistic Heavy Ion Collider. The Tandem is also the main supplier of the beams of particles used by the NASA space radiation facility at BNL and a program of experiments by industry and government. No reservations are needed for this tour. For more information, call Elaine Lowenstein, Ext. 2400.

Eric Forsyth Presents 'Nobody's Fuel' Film on Energy Alternatives, 4/22

Sponsored by the Brookhaven Retired Employees Association, retiree Eric Forsyth will present a film entitled "Nobody's Fuel" from noon to 1 p.m. on Tuesday, April 22, in Berkner Hall, Room B. Various energy alternatives will be discussed. The film suggests that for the next few decades, only nuclear power using advanced designs can supply the energy now obtainable from fossil fuel.

Talk on Managing Financial Stress, 4/23

A talk on "Managing Financial Stress: Surviving the Weak Dollar" will be presented by Nancy Losinno, Employee Assistance Program Manager, from noon to 1 p.m. on Wednesday, April 23. The talk will be held in the Medical Department large conference room, Bldg. 490. Topics will include recognizing that you are under financial stress, getting control, causes of money "relapses," and making changes. All are welcome. Seating is limited, so you may want to register for the talk with Linda DiPierro, Bldg. 490 or dipierro@bnl.gov.

One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, April 23; and Wednesday, April 30, to answer employees' questions about financial matters. The consultant will help you: understand the importance of protecting your assets against inflation; find the right allocation mix for you, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Suzanne Leone, (866) 842-2053, ext. 4601.

EAP Has Information for Caregivers

Are you the major caregiver for an elderly parent or a spouse? BNL's Employee Assistance Program (EAP) has a supply of a Caregiver's Handbook that can assist you in planning for long term care for your loved one. Call Ext. 4567 for a copy to be sent to you, or if you would like to discuss your situation in more detail, call or email nlosinno@bnl.gov for an appointment with Nancy Losinno, EAP Manager.

Defensive Driving Course in Two Parts, 4/21 & 24

The six-hour Defensive Driving (Point & Insurance Reduction) course will be held in two parts on Monday and Thursday nights: April 21 and 24, in the Brookhaven Center South Room, 6 p.m.-9:15 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is \$38 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message. Include your phone number. For more information, call Sarah Wiley, Ext. 4207.

Camera Club Meeting, 4/23

The Camera Club's next meeting will be on spring photographs. Please bring two images on a flash drive. The meeting will be held in Berkner Hall, Room D, on Wednesday, April 23, noon-1 p.m. Plans will also be made for a weekend field trip to a botanical garden. For more information, contact Ripp Bowman, Ext. 4672.

BERA Sells Ducks Tickets

LI Ducks tickets will be on sale at \$11 each, at the BERA Store in Berkner Hall, starting today, Friday, 4/18. For the month of April, each person will be limited to a two-game maximum. As of May 1, employees may purchase as many games as they want.

BNL Family Camping Club Kickoff And Membership Drive, 4/25-27

The BNL Family Camping Club will be kicking off the new camping season with a membership drive April 25-27. Anyone interested is welcome to join in camping for the weekend or just come down for a BBQ of hot dogs and hamburgers on Saturday afternoon followed by a campfire. If you plan to camp and/or attend the barbeque, please RSVP to the Camping Club Secretary, Anna Seda, aseda@bnl.gov or Ext. 7132.



CALENDAR

— WEEK OF 4/21 —

Mon.-Fri., 4/21-25

***Earth Week Celebrations**
See details of BNL program, p. 4.

Monday, 4/21

***436th Brookhaven Lecture**
Noon. Berkner Hall. As part of BNL's Earth Day program, Vasilis Fthenakis, National Photovoltaic Environmental Research Center at BNL, will talk on a "Solar Grand Plan." All are welcome. See p. 1.

***Defensive Driving in Two Parts**
6-9 p.m. Brookhaven Center. Part I. Part II on Thurs., 4/24. See notice, below, left.

Tuesday, 4/22

Film on Energy Alternatives
Noon-1 p.m. Berkner Hall, Room B. "Nobody's Fuel" film presented by Eric Forsyth, sponsored by BREA. See notice, left.

Wednesday, 4/23

***BSA Noon Recital**
Noon. Berkner Hall. Stony Brook Opera singers will present scenes from operas. See p. 3.

***Earth Talk: Garbage-Free Lunch**
Noon-1 p.m. Berkner Hall. Earth Day pollution prevention talk by Rosemary Wiesner of Brookhaven Town. See p. 4.

Thursday, 4/24

Take Our Children to Work Day
8:30 a.m.-5 p.m. On-line registration is on the Human Resources homepage, or call Liz Gilbert, Ext. 2315.

***Earth Day Awards Ceremony**
3:45-5 p.m. Berkner Hall. All are welcome. See Earth Day notice on p. 4 for more details.

Friday, 4/25

***Employee Lunchtime Tour: Tandem**
Noon-1 p.m. Meet group in Berkner Hall lobby. See notice above, left.

— WEEK OF 4/28 —

Monday, 4/28

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.

Friday, 5/2

Symposium: Neutrino Helicity at 50
9 a.m.-5 p.m. Large Seminar Room, Bldg. 510. All are invited. Contact dkerr@bnl.gov.

BJ's Wholesale Club Display
11 a.m.-2 p.m. Berkner Hall lobby. Representatives of BJ's Wholesale Club will discuss savings for BNL employees.

***Summer Dance Party**
7:30 p.m.-midnight. Brookhaven Center. Sponsored by the BNL Social & Cultural Club. Kane Daly Band. See notice above, left.

— WEEK OF 5/5 —

Tuesday, 5/6

***Diversity Education Talk**
10 a.m.-noon. Berkner Hall. Steve Robbins to talk on "Unintentional Intolerance." All are welcome, with supervisory approval. See notice, p. 2.

Wednesday, 5/7

***Talk: Healthy Travel Habits**
Noon-1 p.m. Medical Department Large Conference Room. Occupational Medicine Clinic staff talk on staying safe and healthy while traveling for business or pleasure.

Thursday, 5/8

Talk on Pathway to Peace
4-5:15 p.m. Berkner Hall. Sponsored by BERA's Indo American Association Yoga Club. See notice, p. 2.

American Physical Society Position

The editors of Physical Review A seek a dynamic and personable colleague to join our team at the American Physical Society Editorial Office in Ridge, New York, on Long Island near Brookhaven National Laboratory and Stony Brook University. Our core responsibility is the selection of manuscripts for publication, in the context of the peer-review process. For this purpose, we aim to hire an Assistant Editor who has at least some postdoctoral experience in an area relevant to the journal (in particular, atomic and molecular structure, interactions with strong laser fields, quantum information and/or quantum computation) and is familiar with research publication. In addition, we would welcome an interest in contributing to ongoing efforts by the APS journals to reach out to non-specialist and general readers. An excellent command of English is essential. No prior editorial experience is needed for this entry-level position - we train all new editors to develop the necessary skills. With experience, an Assistant Editor assumes responsibility for deciding the fate of submitted manuscripts. We offer career stability, a competitive salary, and an outstanding benefits package to a qualified individual ready to start a non-traditional career in physics. For general information about the American Physical Society and its journals, see www.aps.org. To apply, please send your resume plus cover letter containing salary requirements and timetable of availability to: Joseph Ignacio, Director of Human Resources, American Physical Society, One Research Road, Ridge, NY 11961, Email: edresumes@aps.org, Fax: 631-591-4155. (EOE M/F/D/V).

International Atomic Energy Agency career opportunities:

The International Safeguards Project Office at Brookhaven National Laboratory seeks qualified applicants for the following four positions: •06/TIE-007 Expert - Unattended and Integrated Monitoring Systems (P-3); •06/TIE-008 Expert - Unattended Monitoring Systems and NDA Data Acquisition (P4); •07/ICO-003 Expert - Safeguards Next Generation Desktop Development (P3); •06/IIS-008 JPO - Enhanced Information Analysis Architecture, n-Vision (P2). Information and assistance are available through the ISPO Web site at: www.bnl.gov/ispo/expert_opportunities.asp or by calling Susan Pepper at 631-344-5979 or Ray Diaz at 631-344-5979.

BNL Classified Advertisements

To apply for a position, go to www.bnl.gov. Select "Careers at Brookhaven" then "Employment Opportunities."

LABORATORY RECRUITMENT - Opportunities for Laboratory Employees

SR. ADMINISTRATIVE SECRETARY (A-3) - Requires formal secretarial training or equivalent, plus six years' experience including two years in a secretarial or office administration role at BNL. Demonstrated proficiency in MS Word and Outlook; demonstrated proficiency in PeopleSoft Domestic Travel and Foreign Travel required; familiarity with Excel and PowerPoint desired; voice transcription desired. Must have strong communications, organizational and problem-solving skills, the ability to work independently, handle multiple projects, policies, and procedures is essential. The ideal candidate will have writing and editing skills. Responsibilities include both routine and non routine administrative assignments which included, but not limited to: preparing reports and correspondence; processing travel, coordinating and scheduling appointments and meetings, coordinating reviews and workshops. The successful candidate will provide administrative secretarial duties and tasks for the NSLS-II Accelerator Division and will report to the lead Administrative Assistant for the division. National Synchrotron Light Source-II Project. Apply to Job ID # 14439.

SR. ADMINISTRATIVE SECRETARY (A-3) - Requires formal secretarial training or equivalent, plus six years' experience including two years in a secretarial or office administration role at BNL. Demonstrated proficiency in MS Word and Outlook required; familiarity with Excel and Access desired. Must have strong communication, organizational and problem solving skills, ability to work independently, handle, completing multiple projects, prioritize workload, and handle non routine office matters. The ability to maintain confidential administrative records and reports is essential. Knowledge of Laboratory practices, policies, and procedures is essential. Completed knowledge of the PeopleSoft Travel System is required and knowledge of the BNL Web Requisition System is preferred. The ideal candidate will have writing and editing skills and experience both within the lab and with outside organizations regarding arranging conferences and meetings, travel, appointments, services, and information gathering. Responsibilities include both routine and non-routine administrative assignments which include, but are not limited to: preparing reports and correspondence; processing travel, coor-

dinating and scheduling appointments and meetings, coordinating workshops and reviews, taking and transcribing minutes. The successful candidate will provide administrative secretarial duties and tasks for the NSLS-II Experimental Facilities Division staff, and report to the lead Administrative Assistant for the Experimental Facilities Division. National Synchrotron Light Source II Project. Apply to Job ID # 14440.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

ASSOCIATE PHYSICIST - Requires a Ph.D. in experimental nuclear or particle physics and a minimum of five years' experience. Candidates should have a demonstrated record of independent research and accomplishments, as well as being an emerging leader in the field of relativistic heavy ion physics. The successful candidate will play a leading role in physics analyses and hardware/simulations related to recent upgrades to the STAR detector (Time-of-Flight, DAQ1000) and future directions (Muon Detector, EIC). The STAR Group at BNL has a broad interest in scientific research at RHIC in the area of heavy flavor, particle identification, high-pt and flow. In addition, the successful candidate is also expected to play a major role in STAR operations in one or more of the areas of responsibility of the BNL STAR Group. Under the direction of Z. Xu, Physics Department. Apply to Job ID # 14445.

SCIENTIST - Requires a Ph.D. in nuclear or particle physics. A well established record of accomplishment in one or both of these areas is also required so that the candidate can take a prominent role in carrying out the spin research program and in shaping the future plans for the RHIC facility, including a proposed Electron Ion Collider (eRHIC). Candidate will play a leading role in the Laboratory's research program with spin-polarized proton-proton collisions at the Relativistic Heavy Ion Collider (RHIC). RHIC is a world-leading facility for high energy nucleus-nucleus and spin-polarized proton-proton collisions. BNL's Spin Group, working with international collaborators, plays a central role in the planning, execution, and analysis of spin measurements with both the PHENIX and STAR detectors at RHIC. The group also works closely with BNL's Collider-Accelerator staff in the precision measurement and monitoring of the colliding beam polarization. The expected start date for this position is October 1, 2008. Under the direction of T. Ludlam, Physics Department. Apply to Job ID # 14446.

POSTDOCTORAL RESEARCH ASSOCIATE (Two Positions) - Requires a Ph.D. in structural biology, molecular biology/biochemistry or crystallography. Experience in macromolecular crystallography is required and the prospective candidate should be able to work independently. Experience in cryoelectron microscopy is preferred for one of the positions. Research program involves protein purification and structure determination of macromolecules. The BNL Biology Department has excellent facilities for molecular and structural biology. State of the art x-ray diffraction data collection facilities are available at the BNL National Synchrotron Light Source. Under the direction of S. Swaminathan, Biology Department. Apply to Job ID # 14442 or 14443.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in biochemistry or biophysics, with experience in protein structure determination by x-ray crystallography, to study a class of metal transporters. This is a challenging and rewarding project ideal for career development in membrane protein structural biology (for more information on research program <http://www.biology.bnl.gov/structure/fu.html>). We use a multidisciplinary approach of molecular biology, biochemistry, biophysics and x-ray crystallography to explore novel metallochemistry employed by membrane transporters (see JBC (2004) 279:12043; Science (2007) 317:1746; Science (2000) 290:481). NSLS offers an outstanding environment for x-ray crystallography. Under the direction of D. Fu, Biology Department. Apply to Job ID # 14444.

POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, chemistry, chemical engineering, atmospheric science or related disciplines. Experience with translating new ideas and methods into science-based computing modules is required. Candidate's experience and abilities should be above that of a "modeler". Excellent background and skill in mathematics, atmospheric science, and aerosol dynamical processes are also required for this work. Candidate should be innovative and have proven communication skills needed to publish and deliver both oral and written reports. The ability to work as part of a team is especially needed to do this highly interactive work. This position requires development of state-of-the-art mathematical module based on the quadrature method of moments (QMOM) to represent aerosol evolution for use in climate science. Once the aerosol module is developed, the candidate will interact closely with the SciDAC modeling community and potentially with the SUNY-BNL NY Blue team to help integrate the module in these new platforms with the goal of helping to solve important problems in climate changes. The work will be carried out in an

office environment. Under the direction of R. McGraw, Environmental Sciences Department. Apply to Job ID # 14447.

MANAGER, FACILITY OPERATIONS OFFICE (M-3) - Requires a bachelors degree (preferably in engineering) with a masters degree highly preferred. Requires broad knowledge of facilities management; extensive managerial knowledge and excellent interpersonal and communications skills; strong data analysis and decision-making skills. Requires at least 15 years of experience in related field with at least 5 years in a managerial role. Experience should include developing, implementing and monitoring of operations and maintenance processes for a large industrial complex and demonstrated experience in operating cost reductions while maintaining safe operations. Requires broad knowledge in maintenance and engineering processes; proven ability to effectively apply risk management principles in facility related decisions; versed in return on investment and make or buy analyses; knowledge of work planning and conduct of operations; team building and analytical problem solving skills; strong leadership and customer focus, excellent skills in oral and written communication, decision-making, budgeting, as well as interpersonal and coordination skills. Directs the staff of the Facility Operations Office which provides a wide range of expertise in managing the conventional operations and maintenance of buildings and facilities across the Laboratory. Controls the use of, and activities within, buildings and facilities. Administers real property, space allocation, relocation planning, work planning, conduct of operations, maintenance engineering, Work Order Call Center, preventative maintenance, planning/estimating, facility inspection, hazardous area identification, and surplus facilities. Ensures that BNL's real property assets are planned for, managed, tracked, and upgraded. Ensures that all work is properly managed to ensure the safe performance of work. Identifies and arranges the execution of maintenance and asset management process. Maintains an effective maintenance engineering function. Manages a strategically driven maintenance investment program; ensures customer satisfaction; ensures that surplus facilities are adequately managed and maintained in a safe condition. Incumbent will be required to develop and implement clear, measurable safety performance and improvement goals, demonstrate openness to change, and display a passion for continuous improvement. Reports to the Assistant Laboratory Director for Facilities & Operations. Apply for Job #14450.

ADMINISTRATIVE SECRETARY (A-2) Requires formal secretarial training or equivalent, plus four (4) years experience in a secretarial or an office administration role. Demonstrated proficiency in MS Office, including Word and Outlook, is required; familiarity with Excel and PowerPoint is preferred. Must have strong communication, organizational and problem-solving skills, ability to work independently, and handle multiple projects. Strong writing and editing skills, experience with arranging conferences and meetings, processing travel, setting up appointments and services, information gathering, and taking meeting minutes required. Knowledge of Laboratory practices, policies, and procedures is preferred. Knowledge of PeopleSoft Financials, including travel and web reqs is preferred. Will be responsible for both routine and non-routine administrative assignments such as: preparing reports and correspondence including Power Point presentations and assisting with workshops and reviews. Will assist other secretarial staff as needed with administrative responsibilities for the NSLS-II Conventional Facilities Division and the National Synchrotron Light Source II Project. ERAP eligible: \$500.00. Apply to Job #14448.

OFFICE SERVICES ASSISTANT (CW-2) - Requires AAS degree or three years' accounts payable experience, and knowledge of Excel and Word. Working knowledge of personal computers, exposure to computerized business systems, knowledge of PeopleSoft is desirable, and good oral and written communication skills are necessary. Responsibilities will include opening and sorting incoming mail, filing, invoice processing in accordance with BNL policies, daily check processing, and providing Accounts Payable guidance to Laboratory organizations. Accounts Payable/Fiscal Division. Apply for Job # 14449.

BIOLOGY ASSOCIATE IV (P-1, term appointment) - Requires a BS degree in biology and/or chemistry. Experience in basic laboratory skills, molecular techniques, and crystallization of macromolecules desired. Work will involve expression, purification and crystallization of proteins. Biology Department. Apply for Job # 14438.

Motor Vehicles

05 KAWASAKI MEAN STREAK - Excellent condition, Magma Pearl Red, 1600 cc. 5100 mi. \$7,500/neg. BRUCE, 880-2425.

04 FORD F250 SUPER DUTY - Crew Cab, 4x4, XLT pkg plus tow pkg., silver. 8cyl,5L, a/t. exc cond. 29K mi. \$20,300/neg. Norbert, 445-2585/929-4886.

01 HONDA ODYSSEY LX - 6cyl cd chang-er, p/d, p/w, p/s, abs, ajay.dhawan@klim.com. 128K mi. \$6,995/neg. 347-723-1035.

Join In as BNL Celebrates Earth Week, 4/21-25

Environmental Display - 4/21-25. Wildlife photos taken on site, posters by local elementary schoolchildren as part of BNL's annual "Your Environment" art contest. For further information, contact Karen Ratel, Ext. 3711.

Environmental Pledge Tree - 4/21-23, 11:30 a.m.-1:30 p.m., Berkner Hall lobby, 4/24-25, 11:30 a.m.-1:30 p.m., Research Support Bldg. lobby. Pledge a donation leaf on the tree to show commitment to improving the environment. Donations will benefit the Foundation for Ecological Research in the Northeast (FERN). Contact: Jason Remien, Ext. 3477.

Environmental Speakers - 4/21 and 4/23:

On Monday, 4/21, **Vasilis Fthenakis** of the Energy Sciences & Technology Department will give a lecture entitled "**Grand Solar Plan: How Solar Power Can Cut Greenhouse Gases**," The event, which is also part of the Brookhaven Lecture Series and will be the 436th Brookhaven Lecture, will be at Berkner Hall, noon-1 p.m. (see story, p. 1). Learn about current research on converting sunlight into electricity and distributing the solar cell-produced electricity across the U.S.

On Wednesday, 4/23, **Rosemary Wiesner** of Brookhaven Town will give a talk on "**Garbage-Free Lunch**," noon-1 p.m. in Berkner Hall, Room B. Attendees will learn how to pack a healthy, garbage-free lunch.

Energy Challenge Kick-off - 4/22. Berkner Hall lobby.

The Energy Challenge goal is to raise employee awareness about energy management and how to help reduce energy consumption at the Lab and at home. Buildings will compete against each other to see how much energy they can conserve (based on their last three-years' usage). Contacts: Peter Pohlot, Ext. 5660 or Jeff Williams, Ext. 5587.

BNL Office Swap - 4/22 & 23, 11:30 a.m. to 1:30 p.m., Berkner Hall lobby - Clean out your office, conference rooms, and supply closets and get rid of supplies you no longer use or need. Clear out the clutter and make your work space a safer and more efficient work environment. All supplies not swapped will be recycled. Contact: Francine Donnelly, Ext. 3381.

Ride-share - 4/23, 11:30 a.m.-2 p.m., Berkner Hall lobby. Find out how you can cut your commuting costs and help save the environment by reducing air emissions. Sign up for this highly flexible rideshare service with Long Island Transportation Management or NuRide Sign-Up, and earn rewards. Contact: Jeff Williams, Ext. 5587.

Environmental Vendor Fair - 4/23, 11:30 a.m. to 1:30 p.m., Berkner Hall lobby. Learn about "green" products, and energy and ecological conservation. Vendors include LI Greenbelt Trail, Brookhaven Town, Long Island Sound Study, Ocean Janitorial, Home Depot, Sun Stream USA, Melalluca, Mid Island Electric, others. Contact: Mark Davis, Ext. 2165.

Annual Earth Day Awards Ceremony - 4/24, 3:45-5 p.m., Berkner Hall. All are welcome to attend as BNL awards employees for outstanding contributions in pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation. The "Your Environment" awards will be presented to children from local schools for creating Earth Day posters on the theme of energy conservation. Contact: Karen Ratel, Ext. 3711.

Hybrid Vehicle Display - 4/25, 10 a.m.- 2 p.m., Berkner Hall parking lot. See what's new in the world of hybrid vehicles. Learn about the benefits of owning an energy-efficient vehicle - helping to reduce air emissions while enjoying increased fuel economy. Contact: Jeff Williams, Ext. 5587.

Heckscher State Park Spring Festival - 4/26 & 27, 11 a.m. - 4 p.m. Check out the annual Heckscher State Park Spring Festival, hosted by the New York State Office of Parks, Recreation, & Historical Preservation in honor of Earth Day. Many environmental displays are set up by local government bodies, environmental groups, and private companies. BNL's Environmental & Waste Management Services Division will have a booth set up with several popular interactive displays. This is a fun day for all, so bring your family and friends and show your support for BNL. There will be food, music, and lots of free giveaways. Contact: Jason Remien, Ext. 3477.

And remember: For every event you participate in, receive a raffle ticket to increase your chances of winning a great door prize, including a new bicycle.

99 ISUZU RODEO - 4dr, 4wd, 6cyl, a/t, c/c, a/c, cass/cd, p/l, p/w, orig. owner, dlr. maint, 19/24mpg, 117K mi. \$4,200/neg. 734-2593.

Miscellaneous

METS TICKETS - Tue/Fri. night, 7:10 p.m., 20 games, 3 seats, Mezz sect. 15, Row B, n/a Yanks or final games, \$35-50 per seat. Margaret, Ext. 4841.

Yard & Garage Sales

ROCKY POINT - 2 sales! 30 King Rd. & 5 Oak Rd., Sat., 4/19, spring cleaning, lots of stuff, come look. Melanie, Ext. 3906.

Community Involvement

FAMILIES WALK 4 HOPE - Sat 5/3 supporting the breast cancer facility at Mather Hospital. <http://www.matherhospital.org/walk>. Roger, Ext. bnl pager # 7242.

Happenings

FREE CONCERT - Yvette Blum w/Bob & Brian, Piano/Guitar/Drums: Sings Latin Rhythms: Sachem Pub Lib Sun., 4/27, 2 p.m.

More ads are with the Bulletin on the web, or contact Ext. 2346 or Iseubert@bnl.gov.

the Bulletin

Published weekly by the Media & Communications Office for the employees, facility users, and retirees of Brookhaven National Laboratory.

Liz Seubert, editor
John Galvin, reporter
Roger Stoutenburgh, photographer

On the Web, the Bulletin is located at www.bnl.gov/bnlweb/pubaf/bulletin.html. A calendar listing scientific and technical seminars and lectures is found at www.bnl.gov/bnlweb/pubaf/calendar.html.

Bldg. 134, P.O. Box 5000
Upton, NY 11973-5000
phone: (631) 344-2345
fax: (631) 344-3368
e-mail: bulletin@bnl.gov

Motor Vehicles

05 KAWASAKI MEAN STREAK - Excellent condition, Magma Pearl Red, 1600 cc. 5100 mi. \$7,500/neg. BRUCE, 880-2425.

01 HONDA ODYSSEY LX - grey 6cyl cd changer, p/d, p/w, p/s, abs, excel. cond cond. ajay.dhawan@klm.com. 128K mi. \$6,995/neg. ajay dhawan, 347-723-1035.

99 ISUZU RODEO - 4dr, 4wd, 6cyl, a/t, c/c, a/c, cass/cd, p/l, p/w, orig. owner, dlr. maint, 19/24mpg, excel cond. 117K mi. \$4,200/neg. Ext. 2451 or 734-2593.

99 HYUNDAI ACCENT - 4cyl., 5spd., 2dr., hbk., am/fm cass. 91K mi. \$800/neg. Will, Ext. 5377 or 255-9010.

91 JEEP CHEROKEE - 6 cyl, 4 wheel dr., a/c, 4 dr, great for the beach, runs well. 190K mi. \$1,150/neg. 929-4563.

FOUR CAR TIRES - Two Good Year and Two Continental Tires from a 2004 Jaguar. \$50 for all. You pick up in Pt. Jeff. Ext. 4532.

TOW BAR - 3500 lbs. capacity w/2" ball hitch and safety chains. ask/ \$50. Peter, Ext. 5551 or 772-4751.

Boats

LE CUDDY CABIN - '96 Seaswirl 201 w/112 Johnson Outboard & trailer, CG equip, portapotty, ready to demo, excel. cond., \$7400. Tom, 495-7273.

Furnishings & Appliances

BUNK BED - solid wood, 1 mattress incl., like new, \$100/obo John, Ext. 208-6605 or 275-8445.

BUNK BED - solid pine with 2 drawers, \$50. Craig, Ext. 4028.

COFFEE TABLE - hand carved, french provincial, pic. online at <http://longisland.craigslist.org/fur/631504238.html>. Theresa, 935-3777.

COUCH & LOVESEAT - <https://post.craigslist.org/manage/593918843/ee4qh/> Ask \$400, Blk/Whit Tweed, gd cond. Ext. 4144.

CURIO CABINETS - oak, smoke free home, <https://accounts.craigslist.org/post/shwps?pii=644828213&db=lv>. Ext. 4144.

ENTERTAINMENT CENTER - 2 pc. oak unit, 2 glass drs. w/shelves, lots of storage, 71.5"L, 59"H, 17"D. \$150. 821-1271.

FORMAL COUCH - <https://accounts.craigslist.org/post/shwps?pii=644795304&db=lv> Pillow back, no rips, tears Ask \$500. Ext. 4144.

FURNITURE - outdr. set, 15 pc., incl. 72" table/6 ch, match umb/cush side table, lovely dk grn floral purch fort. Susan, Ext. 2828 or 924-3633.

HOUSEHOLD ITEMS - 2 l/r chairs; girls 20" bicycl; Cherry Sideboard & more, make offer. Andy, Ext. 7666.

LOVESEATS - 2 new sectional, recling w/wedge, Douglas mfg., 100% polyester micro-fiber w/5 yr. warr., pics avail. \$1500. Denise, Ext. 5873.

LOVESEATS - 2 new sectional recliners w/wedge, mfg. Douglas, 100% poly micro-fiber w/5-yr. warr., pic. w/measurements, \$1500. Denise, Ext. 5873.

MAPLE TABLE & CHAIRS - round w/2 leaves & pads. <https://accounts.craigslist.org/post/shwps?pii=644821315&db=lv> ask/\$200. Ext. 4144.

OUTDOOR SET - 15 pc., incl 72" table/6 ch match umb/cush side table, lovely dk grn floral purch Fortunoff gd. cond. ask/\$300. 924-3633.

PATIO SET - 43x43 tbl w/4 chairs <https://accounts.craigslist.org/post/shwps?pii=644843530&db=lv> Ask/\$300. Ext. 4144.

SOFA & BEDROOM SET - Queen sleeper couch/love seat - floral print, Queen bdrm set - dark oak, all excel. cond. best offer. Rosemary, 661-3368.

TABLE DECORATIVE - formica, round, almond, \$75; 2 maple twin beds, \$100/ea. 874-3606.

TABLE LAMP - Disney Princess, Hampton Bay, 10"w, 15.5"h, Snow White, Cinderella, Sleeping Beauty, princesses light up too, \$48. Linda, Ext. 2733 or 395-6784.

TV CORNER HUTCH - <https://accounts.craigslist.org/post/shwps?pii=644803176&db=lv> Maple, ask/\$800. Ext. 4144.

WALL UNIT - 3 pc washed oak, 76h x 82w total, glass drs, lighted, TV storage 35w x 27h, pics avail., \$150/obo. Ext. 3492 or 734-2593.

WATER COOLER - Sunroc elect., uses no-spill 5 gal. bottles, sep. hot/cold faucets, works great! \$30. Gary, Ext. 7779.

Audio, Video & Computers

ALBUMS AND TURNTABLES - assortment of r&b, dance, hiphop music, about 5 crates, turntables amp and mixer b/o. 872-8085.

AUDIO TAPES - 71 cassettes & 80 8 tracks, mostly Country Music, some Christmas, make offer. Peter, Ext. 5551 or 772-4751.

PC GAME - Quake 4, played once, \$8. Ext. 3621.

PC GAMES - 8 disks Hitman2, Chaser, Hulk etc., all unopened, in wrap, great gift. \$8/ea. or \$50/all. Ext. 5437 or 816-5189.

PRINTERS - HP PhotoSmart 8150, excel. \$60; HP Deskjet 840C, gd. , \$20; Magnavox recordplayer/ radio, \$50. Ext. 7647.

SLIDE SCANNING SERVICE - www.pictureperfectscans.com scans slides, prints, negatives & restores them to their original glory, delivered on DVD. Music slideshows avail. Dianne, 928-6469.

Sports, Hobbies & Pets

FISH TANK - 90 gal., filter, heater, hood and custom made cabinet. \$300. 929-4563.

GOLF PULL CARTS - Titleist Stowaway Plus, \$25, Wilson, light wt, \$15; men irons, vectra oversize, seniorflex, \$40. 929-4270.

KAYAK - Wilderness Systems, solo/tandem, sit on top, 12'10" long, \$200 neg. Chris, Ext. 2593.

METS TICKETS - Tue/Fri. night, 7:10 p.m., 20 games, 3 seats, Mezz sect. 15, Row B, n/a Yanks or final games, \$35-50 per seat. Margaret, Ext. 4841.

POP-UP TRAILER - '83 Coleman, sleeps 6, 3 burner stove, sink, elec., storage, needs tires, gd. cond., \$1000. Ext. 2716 or 878-2425.

TABLE - air hockey, 4 goals, gd. cond., \$50/obo. Don, Ext. 2253 or 821-3320.

WEIGHT BENCH - Irongrip, adjustable w/2 safety bars, 2 curl bars, 300 lb weight set & rack, rarely used, \$400/neg. Pamela, Ext. 3097 or 848-3695.

WETSUIT - For 12-13 year old child. Full one-piece 3mm. Excellent condition. \$30. John, Ext. 3222.

YANKEES TICKETS - May 1, 7:05 vs. Detroit, Tier 32, Row H \$10/ea. May 2, 7:05 vs. Seattle, Box 664, Row F \$48/ea. Andrea, Ext. 4656.

Tools, House & Garden

ENGINE ANALYZER - \$25; car ramps, \$20. chris, Ext. 2094 or 831-3469.

SINK - beige drop in w/fixture, builders grade; 37" formica counter top, \$15, pick up in Pt. Jeff. Ext. 4532.

TOOLS - Delta 15" scrollsaw, \$50; table-saw, Sears, 8", w/2blades, \$75; Saws, jack dovetail & wallboard, \$12. Ext. 7645. Miscellaneous

ANNUAL PIECES - swarovski, <https://accounts.craigslist.org/post/shwps?pii=644810821&db=lv> Smoke free home! ask/\$500ea set. Ext. 4144.

CAR SEAT - Evenflo convertible, infant/rear face to forward face, up to 40 lbs. great cond. w/latch, \$25. Anna, Ext. 7132.

EQUIPMENT - home medical, hospital bed elec/manual, transporter chair/commode, and commode gd. cond., hardly used. Steve, Ext. 4925.

FOR SALE - 21' camping trailer, '01 Jayco Kiwi, sleeps 8, 3500 lbs., 2 q-size side wings, \$8,500. Paul, 886-1280.

Yard & Garage Sales

ROCKY POINT - 2 sales! 30 King Rd. & 5 Oak Rd., Sat., 4/19, spring cleaning, lots of stuff, come take a look. Melanie, Ext. 3906.

Community Involvement

FAMILIES WALK 4 HOPE - Sat 5/3 supporting the breast cancer facility at Mather Hospital <http://www.matherhospital.org/walk>. Roger, Ext. bnl pager # 7242.

Happenings

FREE CONCERT - 4/27 Sun. at 2pm Yvette Sings Latin Rhythms w/Bob & Brian at Sachem Pub. Lib. Holbrook. Yvette, Ext. 5591.

Free

DIABETES SUPPLIES - OneTouch Ultra Soft Lancets and Strips. Bruce, Ext. 5229.

NINTENDO 64 - game box w/1 pokemon game, work excel., all incl. Ext. 5049.

Wanted

GITARS - old, unwanted or in need of repair. chris, Ext. 2094.

MG PARTS - What do you have? Check the back of your shelves. Michael, 878-9384.

MOTHERS HELPER - gen. house hold chores, iron, vaccum, errands, must have own trans. flexible hrs., neg. salary. 885-5320.

TRAILER - sm. enclosed for motorcycle storage and mobility. Charles, 872-9268.

Lost & Found

FOUND - Samsung Memory stick between bldg. 460 and the gym. Pam, Ext. 7774.

JACKET - Izod fleece, zipper front, found in Chemistry Dept. main office bldg. 555. Linda, Ext. 4303.

For Rent

BELLPORT VILLAGE - incl util/cable/wireless int., new carpet, oven, refrig; pvt ent. w/prkg, sep. thermostat, no smkg/pets. \$800/mo. Diane, 803-0958.

FARMINGVILLE - share lg house w/quiet students, incl. cable, phone, wifi, no Lease. \$495/mo. Ben, 513-8275.

MEDFORD - 1 bdrm, lg bath, huge l/r, f/p, eik, new appli., heat, water, cable tv/int. incl., pvt. ent., 2nd bdrm. optional, part. furn avail \$1,000/mo./neg. Jonathan, 730-8866.

MIDDLE ISLAND - brand new studio apt., 5 min to Lab, priv. ent. on quiet dead end st, int. access, no smkg/dogs, avail. May 1st. \$750/mo. Britta, 924-4426.

N. SHIRLEY - 2 br,lr/kit, pvt. ent, close to lab/train/buses, avail. May 1, mo sec, 1 mo rent, \$1300/all no/smkg. \$1,300/mo. Tanya, Ext. 4669 or 742-6918.

NESCONSET - 1 bdrm. apt., nice neighborhood, prk-n-drway, tv/util./cac incl., \$750/mo. \$750/mo. Christine, 516-578-8478.

ROCKY POINT - share 2 bdrm., 1 bath apt. w/ Ph.D. student. \$550/mo., heat incl., mcbennet@umich.edu \$550/mo. Marcus, Ext. 4962.

ROCKY POINT - avail May 1, clean, new studio w/pvt ent, cath'l ceiling, tile flr., full kit, bath, cable tv/net, no smkg/pets., all incl. 9 mi. to BNL. \$800/mo. Tony, 516-250-7764.

SANIBEL ISLAND, FL - timeshare, 2 bdrm, 2 bath, w/d, full kit., sleeps 6, pool, grnd. level, on beach, wk. 8/2-9. \$700/wk. Linda, Ext. 3750 or 672-4141.

SHIRLEY - rm. for student, priv ent., full bath, furn. cac, cable, wireless int, tv, drwy. prkg. spot, 14 min to lab, 5 min to stores/beach, no smkg/pets, 1 mo \$600/mo. Ext. 8321.

SHOREHAM - brand new, 1 bdrm, garden apt, 1st flr, indep. ent/drway, full bath, kit, l/r, cac, no smkg/pets, few mi. to BNL, 1 mo sec. all incl. \$1,300/mo. Ext. 3842 or 833-8374.

ST JAMES - 1 bdrm. apt., l/r, kit., priv. ent., upper flr., no smkg/pets, single preferred, util. incl. \$850/mo. Robert, Ext. 5031.

ST. MAARTEN - T/Share-Flamingo Beach Resort 6/21-28, Studio slps 4, full kit. top flr. unit overlks beach/Carribbean sea, priv. balc. pool, dining, casino. \$700/wk. Richard, 475-0373.

YAPHANK - Whispering Pines off W Floyd, 1 mi. to Lab, 2 or 3 bdrm condo, all renovated, 1 & 1/2 baths, clubhouse, pool, pets OK, commons charges included. \$1,600/mo. 988-8233.

For Sale

RIDGE, NY - beautiful 4 bdrm, 2 1/2 bath Colonial, updates galore. igs, cac, pvc fencing, fin. bsmt. w/ose. lg. property in family neighborhood min. to lab. \$489,000 252-3356.

RIDGE, NY - Lesiure Glen Condo/Townhouse, Quincy, active over 55 comm., incl. l/r, d/r, kit., 2 bdrm. cath'l ceil., patio, clubhse, pool, tennis, etc. \$249,000 Phyllis, 434-823-2265.

SHOREHAM, NY - Middlecross Estates, 4 bdrm., 2.5 bath Col., frml l/r and d/r, den w/fp, lg. kit. w/dinette, 2 car gar., fin. bsmt., igs, SWRS, much more. \$539,000/neg. Don, Ext. 2253 or 821-3320.

WADING RIVER, NY - lg. 3 bdrm, 2 bath, on .5 acre, lg mstr bdrm w/cath'l ceiling, lg. lvng. area, 1.5 car gar, unfin bsmt. SWRS, approx .5 mi from Sound. great cond. \$499,000/neg. Jean, Ext. 4391 or 379-2282.