



B-N-L 60!

On May 1 at noon, hundreds of the Lab community gathered in the field at Police Headquarters to form a giant "BNL 60" to celebrate the Lab's 60th anniversary year. The event was organized by Marsha Belford of the Community, Education, Government & Public Affairs Directorate, with help from the Plant Engineering Division, Fire/Rescue Group, Police Group, and many other volunteers. Atop the water tower, Roger Stoutenburgh and Michael Herbert took photos and a video, while, on the ground, candid camera persons Alex Reben and Joe Rubino filmed the crowd. (To see these photos and a time lapse video of the formation of the human BNL 60, go to www.bnl.gov/60th/events/photo.asp) An enthusiastic stampede to get free commemorative T-shirts followed the Hollywood moments. Then, everyone went to lunch.



2007 BSA Scholars



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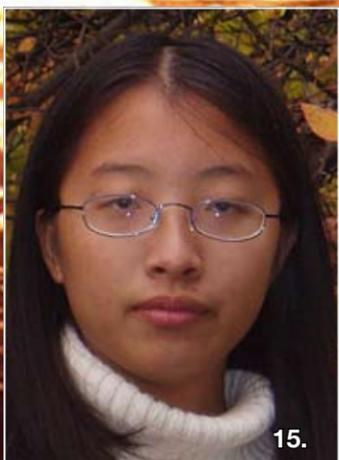
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Brookhaven Science Associates (BSA) has announced the 15 winners of the annual BSA Directors' Scholarships, which go to children of BNL employees in continuation of a tradition instituted at BNL in 1965 (see story, page 3). Each BSA Scholar is a high-school senior who will receive \$2,500 per year for up to four years of study at the college or university of his or her choice.

1. Valerie Askinazi of Ward Melville High School is the daughter of Maurice Askinazi, Physics Department. Undecided as yet about her major and career field, she is considering attending Ithaca College or American University.

2. Marisa Campbell, the daughter of Mary Campbell, Basic Energy Sciences Directorate, attends William Floyd High School. She will major in rhetoric English at the State University of New York at Binghamton for a career in journalism.

3. Jenna Ferrieri of Patchogue Medford High School is the daughter of Richard Ferrieri, Medical Department. To earn her bachelor of science degree in naval architecture and marine engineering, she will attend the Webb Institute.

4. Sarah Hatton, a senior at Southampton High School, is the daughter of Diane Hatton, National Synchrotron Light Source II. She is also the granddaughter of Dolores Collins, Collider-Accelerator Department, and the niece of Eileen Papa, Information Technology Division, and Claudia Hatton, Facilities & Operations Directorate. She will major in either English or biology at Boston College.

5. Danielle Hoey, the daughter of Steven Hoey, Center for Functional Nanomaterials, attends Earl L. Vandermeulen High School. She will major in Spanish and education at the University of Vermont for a career in teaching.

6. Stephanie Hu of Ward Melville High School is the daughter of Jih-Peng Hu, National Synchrotron Light Source Department. She will major in a science discipline with comparative literature, perhaps for a career in neonatology.

7. Yishu Huang, a senior at Ward Melville High School, is the daughter of Haixin Huang, National Synchrotron Light Source Department. She will probably major in economics at Columbia University.

8. Elizabeth Hubbard, the daughter of Garry and Barbara Hubbard of the Collider-Accelerator and Medical Departments, respectively, attends Westhampton Beach High School. She will major in elementary education at the University of New Hampshire.

9. Milan Kahanda, the son of Galathara Mahendra Kahanda of the Chemistry Department, attends Ward Melville High School. For a career in medicine, he will pursue the seven-year physician-scientist program at Rensselaer Polytechnic Institute and Albany Medical College.

10. Shirin Mortazavi of Bellport High School, is the daughter of Payman Mortazavi, National Synchrotron Light Source Department. She will attend the University of Texas at Austin to pursue studies in biochemistry toward a career in health science.

11. Victoria Philipsberg, the daughter of Paul Philipsberg, Nonproliferation & National Security Department, attends Mount Sinai High School. She plans to achieve a double major in technology with a foreign language. She is undecided as yet on where to study.

12. Joanne Sandorfi of Earl L. Vandermeulen High School is the daughter of Andrew Sandorfi, Physics Department. To be a professional dancer and choreographer, she will major in ballet at the University of Utah.

13. Michelle Toscano of Smithtown West High School is the daughter of Mark Toscano, Plant Engineering Division. She will major in engineering and aerospace engineering at Notre Dame University, Boston College, or Villanova University.

14. Ruizhi (Rebecca) Yu, twin daughter of Hua-Gen Yu of the Chemistry Department, is a Ward Melville High School senior. At the Massachusetts Institute of Technology or Princeton University, she will pursue studies for a career in science.

15. Ruihui (Rachel) Yu, twin daughter of Hua-Gen Yu, Chemistry Department, attends Ward Melville High School. She will attend Princeton University, her major as yet undecided.

Then & Now — The Scholarship Kids

In The Bulletin Board of May 12, 1965, the first announcement was made of college tuition scholarships' being given to ten children of regular BNL employees, and to two children of regular National Radio Astronomy Observatory (NRAO) employees. Associated Universities, Inc., managers of the Lab and NRAO, started the program that year. And ever since — right up to this year, because Brookhaven Science Associates continued the tradition after taking over as managers of the Lab in 1997 — many BNLers read with interest the names of the winners and wish them well in their future careers.

In 1965, the ten BNL-parented winning students were: from Earl L. Vandemeulen High School in Port Jefferson: Carol Barton, daughter of George Barton, Personnel; Linda Dexter, daughter of Edward Dexter, Cosmotron; Eleanor Olson, daughter of Howard Olson, Physics; Laraine Rathvon, daughter of N. Peter Rathvon, Director's Office (DO); Robert Schaeffer, son of Daniel Schaeffer, DO; Jonathan Skret, son of Claire and Andrew



BNL's first AUI Trustee Scholarship winners were: (from left) David Sparrow, Linda Dexter, Robert Schaeffer, Eleanor Olson, Robert Stehn, Jonathan Skret, Laraine Rathvon, Paul Semplicino, Carol Barton, and John Vineyard.

Hull, Medical and Health Physics, respectively; and Robert Stehn, son of John Stehn, Nuclear Engineering. From Bellport High School were: David Sparrow, son of Rhoda and Arnold Sparrow, Biology; and John Vineyard, son of George Vineyard, Physics. From Carle Place

High School was: Paul Semplicino, son of Anthony Semplicino, Mechanical Engineering.

Each 1965 scholar won up to \$900 per year, applicable against college expenses, renewable for an additional three years or until requirements for the bachelor's degree were

completed. Now, in 2007, each scholarship is for \$2,500, renewable for three years.

To get a feel for what \$900 was worth in 1965, one can look at the ads on page 4 of the paper — where everyone still looks first — and see that a six-room house with sunporch in Selden was advertised for rent at \$125/month unfurnished, \$150 furnished, utilities extra. Asking rent for a three-room apartment with bath and enclosed porch in Riverhead was \$85/month including utilities. A 1964 Chevrolet Styleside pickup, 16k miles, eight-month complete warranty, was \$1,600. A 1965 Simca 1000 four-door sedan with 50k mile-guarantee and radio was \$1,400. A 1962 VW sedan, 39k miles, was \$1,100.

Another ad of interest in the same paper was under "Wanted." The request was for manpower to open up woods road and walks for a handicapped children's summer retreat, Camp Pa-Qua-Tuck, East Moriches. Many BNLers since that time have volunteered to help with this worthwhile project. — Liz Seubert

A 'Take Our Children to Work Day' Experience

April 26 was "Take Your Kids to Work Day" at the Lab, organized by the Human Resources Occupational Medicine Division staff. Among the 120 or so children experiencing something of what parents do in their workplace, Casey Backofen, Genevieve and Emma Herbert, Rachel Genzer, and Cooper Jansson visited the Photography, Copy Service and Printing areas of the Lab to learn about how documents are copied, printed, and folded. With the help of Bulletin writer Jane Koropsak, they wrote the following account of their visit and watched and helped the story get sent to press.

We all thought the folding machine was "psychedelic," as Genevieve put it.

We also saw how the Lab makes thousands of copies of all kinds of documents. We visited the photography shop and learned how to "transform" pictures of people by using Photoshop.

The folding machine folds the



Bulletin at a rate of one per second. "This was the favorite stop along the tour," said Cooper.

Emma said, "I would like to learn more about photography, because I think it is very interesting."

Casey said, "I didn't realize how complicated the machines are that my parents use at work."

Rachel added, "My dad explained how they interview scientists to write press releases

to tell the public about the Lab's discoveries."

After bagels and conversation, we enjoyed lunch, a show, and a

tour of the Lab. — Casey Backofen, Genevieve and Emma Herbert, Rachel Genzer, and Cooper Jansson.

At left: In the press room with Cornelius Jackson are: (from left) Casey Backofen, Genevieve Herbert, Emma Herbert, Rachel Genzer, and Cooper Jansson.

Below: With Jane Koropsak (third from right) are the five children and their parents: (from left) Lisa Janssen, Kelly Backofen, Rick Backofen, Peter Genzer, and Michael Herbert.



BNL Volunteers Needed for Special Olympics, 5/6 W. Floyd School to Host Games for 5-7-Year-Olds

On Sunday May 6, more than 1,000 young athletes will be converging on the grounds of the William Floyd School District in Mastic Beach to compete in the Special Olympics Regional Spring Games. To make the games extra special for the five-to-seven year-old special Olympians and their families, planners with the Special Olympics of New York and the William Floyd School District are hosting an Olympic Village. The Lab's Volunteers in Partnership (VIP) group is one of more than 300 organizations that have volunteered to sponsor tables and activities for the Olympic Village. BNL volunteers are needed to man the table and to help out in other capacities at the games. If you are interested in volunteering at this special event, contact Jeff Williams, Ext. 5587.

BSA Noon Recital, 5/16

In the next BSA-sponsored noon recital, on Wednesday, May 16, INDIVIGO DUO — internationally acclaimed violinist Alla Aranovskaya and fellow member of the St. Petersburg Quartet, violist Boris Vayner — will perform music by Mozart, Handel, Martinu, and Hunt in Berkner Hall. BSA noon recitals are free and open to the public. Visitors to the Lab of age 16 and over must carry a photo ID.

Cafeteria Closed This Saturday, 5/5

To accommodate BNL's Annual Elementary School Science Fair, the Berkner Hall Cafeteria will be closed on Saturday, May 5. However, the Center Club in the Brookhaven Center, Bldg. 30, will be open, 7:30 a.m.-2 p.m., serving a continental breakfast in the morning and cold sandwiches at lunchtime.

Retirees' Lunch, 6/5

All BNL retirees are invited to the Brookhaven Retired Employees Association (BREA) Luncheon on Tuesday, June 5, at the Bellport Country Club. To attend, send a \$30 check made out to BREA, to BREA, P.O. Box 5000, Bldg. 475C, Upton, NY 11973-5000. For more information, phone 344-2707 or see www.brea.bnl.gov.

BERA Swim Lessons

BERA swim lessons are available for children or grandchildren of all Lab employees, retirees, visitors and facility users. The child should be able to stand flat-footed in the shallow end of the pool, with mouth above the water, approximately 42" tall. The fee is \$80 for a one hour lesson per week for eight weeks. Return your \$80 check made payable to BERA to the Recreation Office, Building 400. Payment in full is due on or before June 1. For more information, call Ext. 2873 or go to www.bnl.gov/bera.

Defensive Driving, 5/12

The next six-hour Defensive Driving (Point & Insurance Reduction) course will be held on Saturday, May 12, in Room B, Berkner Hall, 9 a.m.-3:30 p.m. The course is open to BNL, BSA, and DOE employees, facility-users, and their families. The cost is \$30 per person. Preregistration is required. To register, call Ed Sierra, 821-1013, and leave a message with your phone number. For more information, call Sarah Wiley, Ext. 4207.

Arrivals & Departures

— Arrivals —

Palani Kandavelu.....Biology
Richa Rawat.....Biology
Michael Rosenthal.....NNS

— Departures —

Mohamad Azarm.....EST
James Bell.....CFS
Mark Dierckxsens.....Physics
Carl Holmstrom.....CFS
Michael Palumbo.....CFS
Minhua Shao.....Chemistry
Madeline Windsor.....ISD

CALENDAR

— WEEK OF 5/7 —

Wednesday, 5/9

*Talk on Veterans' Benefits (1 of 3)
Noon. Berkner Hall, Room B. "VA Health Care, Entitlements and Disability Benefits," by Joe Sledge, Northport VA Public Information Officer. See notice, page 4.

Friday, 5/11

*Blues: Alexis P. Suter Band
6:30 p.m. Brookhaven Center. Tickets, \$10. Blues vocalist Alexis P. Suter and her five-member band. Sponsored by the BNL Music Club. All are welcome to this event, open to the public. Visitors to the Lab of 16 and over must carry a photo I.D. See notice, page 4.

Saturday, 5/12

*Defensive Driving Course
9 a.m.-3:30 p.m. Berkner Hall, Room B. \$30/person. Point & Insurance Reduction course open to BNL, BSA, & DOE employees, facility-users, and their families, at \$30 per person. Pre-registration required. To register, call Ed Sierra, 821-1013. Leave a message with your phone number. For more info, call Sarah Wiley, Ext. 4207.

— WEEK OF 5/14 —

Tuesday, 5/15

*ASAP Book Club Meeting
6 p.m. ASAP lounge either in Bldg. 750 or in Bldg. 462, to be announced. The Association for Students & Postdocs welcome all to this meeting to discuss Elizabeth Costello by J.M. Coetzee. Tea and cookies. For more information, contact bnash@bnl.gov. See page 4.

Tuesday, 5/15

PHOTONIS Photo Sensor Technology
11 a.m.-2 p.m. Berkner Hall lobby. Representatives of the PHOTONIS Group will describe their leading-edge photo sensor technology. Products include image intensifier tubes for night vision and low-light level imaging for industrial and scientific systems; photomultiplier tubes for medical imaging, homeland security, high energy physics and life sciences; electro-optic products; and power tubes. See www.photonis.com.

Wednesday, 5/16

*BSA Noon Recital
Noon. Berkner Hall. Violinists Alla Aranovskaya and Boris Vayner will play Mozart, Handel, Martinu, Hunt. All are welcome: free event, open to the public. Visitors to the Lab of 16 and over must carry photo I.D.

*Talk on Veterans' Benefits (2 of 3)
Noon. Berkner Hall, Room B. "Suffolk County Entitlements for Veterans," by Tom Ronayne, Suffolk Co. Vets Service. See notice, page 4.

Brookhaven Lecture
4 p.m. Berkner Hall. Paul Friley, Energy Sciences & Technology Department, will talk on "A Hydrogen Economy: Opportunities & Challenges." All are welcome to this free lecture, open to the public. Visitors to the Lab of 16 and over must carry a photo I.D.

— WEEK OF 5/28 —

Wednesday, 5/30

BSA Distinguished Lecture
4 p.m. Berkner Hall. Lawrence Krauss, Case-Western University will present "Einstein's Biggest Blunder? A Cosmic Mystery Story." All are welcome to this free lecture.

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.

'Fierce and fabulous' Alexis P. Suter Band, 5/11

"Fierce and fabulous," said *Living Blues Magazine* of Alexis P. Suter's debut CD called "Shuga Fix." Blues fans and anyone who has not tried blues but likes to start at the top — do not miss the Alexis P. Suter Band, starring blues vocalist Alexis P. Suter, accompanied by her five-member band, on Friday, May 11, at 6:30 p.m. in the Brookhaven Center.

Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab age 16 and over must bring a photo ID. Tickets cost \$10 each and can be purchased in advance at the BERA Store and at www.ticketweb.com, or at the door on the evening of the show. Call Ext. 3846 for more information.

New Book Club — Come, Discuss, 5/15

Anyone interested in books and discussion is welcome to come to the first meeting of the ASAP Book Club, organized by members of the Association for Students & Postdocs (ASAP). The meeting will be held on Tuesday, May 15, at 6 p.m., when the first book to be discussed will be *Elizabeth Costello* by 2003 Nobel Prize winning author J.M. Coetzee. The location will be the ASAP lounge, either in Bldg. 750 or Bldg. 462, to be confirmed later. Tea and cookies will be provided. Email bnash@bnl.gov or check out the blog at <http://bnlasapbooks.blogspot.com/> for more information.

Three Talks on Veterans' Benefits, 5/9, 5/16, 6/6

BNL's Employee Assistance Program (EAP) and the BERA Veterans' Association are presenting three talks on the needs of veterans and their families, noon-1 p.m., in Berkner Hall, Room B, on the following Wednesdays:

5/9 - "VA Health Care, Entitlements & Disability Benefits," by Joe Sledge, Northport VA Public Information Officer.

5/16 - "Suffolk County Entitlements for Veterans," by Tom Ronayne, Suffolk County Vets Service.

6/6 - "The Invisible Wounds of War, by Lawrence Brown, retired career military and mental health counselor, Babylon Vet Center of U.S. Veterans' Administration.

If you are a veteran, a spouse of a veteran, surviving spouse of a deceased veteran, or a parent of a returning veteran, you may be particularly interested in these talks. To register, contact EAP at Ext. 4567 or dipierro@bnl.gov.

Classified Advertisements

Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

NS4111. VACUUM PROCESS/PROJECT ENGINEER I/II (P-7/P-9) Requires a bachelor's or master's degree in engineering and at 7-10 years of relevant experience with mechanical design and construction of ultra-high vacuum systems. Experience with Computer Aided Design and Analysis software and engineering drawing standards is required. Requires engineering stress and heat transfer analysis skills, excellent written and verbal communications skills, good interpersonal skills, and office computer skills. Responsibilities will include project management, overall system engineering, detailed design, and preparation of equipment specifications for procurement of new vacuum equipment. Will direct the efforts of technicians during all phases of construction of new equipment, during the repair and upgrade of existing equipment, and during operations. The Vacuum Group is responsible for operation and upgrade of the beamline vacuum systems and cryogenic insulating vacuum systems for the Relativistic Heavy Ion Collider (RHIC) complex of particle accelerators, the Energy Recovery Linac, and other existing and planned accelerator systems. Collider-Accelerator Department.

NS4401. ELECTRICAL/PROJECT ENGINEER I (P-9) - Requires a bachelor's or master's degree in electrical engineering and 10 years of electrical power engineering experience in the design, operation, and maintenance of both commercial and heavy industrial areas. Experience with electrical distribution systems and electrical equipment involving voltages from

120V up to 13.8 kV is required. Experience in lighting designs is a plus. The candidate should be experienced in the incorporation of the National Electric Code and NFPA 70E and with Auto-Cad and Electrical Engineering analysis software. Responsibilities will include overall system engineering, detailed design, preparation of equipment specifications, project engineering support and guidance during installation of new equipment and upgrade of existing equipment, and troubleshooting support during operations. The successful candidate must have good communication skills to interface with scientific and engineering staff and to work with and direct technical staff and craft workers. The Electrical Power Distribution Group is responsible for operation and upgrade of the electrical distribution systems for experimental facilities and associated buildings that support the operation of the Relativistic Heavy Ion Collider (RHIC) complex of particle accelerators, the Energy Recovery Linac, and other existing and planned accelerator systems. Collider-Accelerator Department.

NS4400. ELECTRICAL STAFF ENGINEER (P-5) - Requires a bachelor's or master's degree in electrical engineering and four years of relevant experience in power converter design and operations. Experience with both high-power thyristor controlled devices and switch mode converters is desirable. Familiarity with electrical circuit analysis software such as MicroCap is a plus. Responsibilities will include overall system engineering, detailed design, and preparation of equipment specifications for procurement of new equipment. Will direct the efforts of technicians during all phases of construction of new equipment, during the repair and upgrade of existing equipment, and during operations. The Collider-Accelerator Department Electrical Engineering Group is responsible for operation and upgrade of various power supply systems that support the operation of the Relativistic Heavy Ion Collider (RHIC) complex of particle accelerators, the Energy Recovery Linac, and other existing and planned accelerator systems. Collider-Accelerator Department.

TB4403. ASSOCIATE STAFF ELECTRICAL ENGINEER (P-3) - Requires a bachelor's or master's degree in electrical engineering. Familiarity with CAD tools for schematic diagrams and PLC programming skills are a plus. Should have excellent communications skills and must be able to support a team with diverse skills and talents during all phases of construction, testing, repair, and upgrade of existing equipment, and operations support. The Access Controls Group is responsible for operation and upgrade of PLC-based personnel safety systems for the RHIC complex of particle accelerators, the Energy Recovery Linac, and other existing and planned accelerator systems. Collider-Accelerator Department.

TB4112. PHYSICS ASSOCIATES IV (P-1, 2 positions) - BS required in physics or related field. Primary duties, as part of a rotating shift team, include the operation and troubleshooting of the Collider-Accelerator complex for the experimental physics program. Will be part of Collider-Accelerator emergency response team while on shift. Requires excellent written and oral communications skills. Background experience in high-power pulsed power supplies, digital electronics, computer controls and programming, as well as laboratory test and measurement techniques is desirable. Collider-Accelerator Department.

TB4373. SENIOR BUYER (A-6, 2 POSITIONS) - Requires a bachelor's degree in business or equivalent, with a working knowledge of Federal Acquisition Regulations and a minimum of four years of procurement experience. Must have demonstrated ability to deal with project deadlines and risk-significant procurements. Must be well versed in all aspects of cradle-to-grave procurement including pre-and-post award activities, i.e. preparing solicitations, evaluating prospective suppliers' quotes, bids and proposals, analyzing cost and price proposals, negotiating, and awarding purchase orders and contracts, change orders and modifications. Under general supervision, will be responsible for the economical and efficient procurement of a variety of goods and services in a high volume environment, including leveraging purchasing power through strategic purchasing. Procurement & Property Management Division.

RM4108. SR. DRAFTING SPECIALIST, ELECTRICAL (T-3) - Requires an AAS degree in electronic technology or equivalent experience plus at least six years of drafting experience, including three years in the design of precision analog, RF, and high-speed digital multi-layer printed circuit boards (PCBs). Experience with Mentor Graphics CAD software highly desired. With the support of electrical engineers, must be able to interpret and create drawings of circuit-card assemblies, wiring diagrams, and electrical schematics, and create and maintain standard library electronic parts in Mentor. Must be able to follow ANSI Y32.2, IEEE STD 315, and ASME Y14.5M-1994, as well as Laboratory standards for schematic design, circuit board layout, fabrication, and assembly. Must also be proficient in Microsoft Office (Word, Excel, & Outlook). Experience with AutoCad is a plus. Will interface with various engineering team members and should have excellent interpersonal & time management skills. Collider-Accelerator Department.

RM4110. SR. DRAFTING SPECIALIST, MECHANICAL (T-3) - Requires an AAS degree in mechanical technology, mechanical drawing, or equivalent experience, and a minimum of six years' experience with 3D modeling software of mechanical components including fabrication drawings. Experience with Pro-E Wildfire and/or AutoCad Inventor or equivalent software is required. Must have the ability to perform mechanical design functions as part of team with staff mechanical engineers or scientists. This includes knowledge of material properties, component choice, manufacturing/machine shop processes, and dimensioning and tolerances. Must be able to create accurate and detailed 3D system designs as well as mechanical manufacturing drawings to ANSI Y14.5 standards. Work experience with vacuum system components, high voltage/high current systems, RF systems, and cryogenics is highly desirable. With engineering support, will design and provide fabrication drawings for components used in particle accelerators such as magnets, power supplies, RF systems, vacuum chambers, and electronic diagnostics. Collider-Accelerator Department.

RM4109. DRAFTING SPECIALIST, MECHANICAL (T-2) - Requires an AAS degree in mechanical technology, mechanical drawing, or equivalent experience, with two years of drafting experience. Experience in using Pro-E Wildfire or Inventor and AutoCad is highly desirable. Requires knowledge of engineering fundamentals, materials, machine shop practices, and vendor products, as well as demonstrated skills in developing engineering concepts into detailed 3D models and drawings. With technical direction, performs non-routine drafting assignments in support of the scientific and engineering staff. Working from sketches, oral information or data sheets, develops and completes layout and illustrative drawings. Interprets and ensures conformance to applicable drafting standards including ANSI Y14.5 and document designs through detailed fabrication drawings including bill of material and catalogue parts. Collider-Accelerator Department.

TB4402. PRINCIPAL/RF TECHNICIAN (TW-4) - Requires A.A.S degree in electrical engineering technology and at least two years' related experience or equivalent. Knowledge of RF circuit analysis, impedance matching using Smith chart, transmission lines is required. Experience working with high voltage power supplies and high power RF experience is preferred. Must have excellent troubleshooting skills. Must be available for system repair off hours as required. Collider-Accelerator Department.

04 CHEVY BLAZER 4X4 - 6cyl., a/c, abs, p/l, p/w; gd cond, orig. owner. 55K mi. \$12,500/neg. 325-1929, after 6 p.m.

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

02 TOYOTA CELICA - GT, blue, 2dr., 5spd., a/c, am/fm/cass/cd, c/c, FWD, avail. 08/17. 82K mi. \$9,000. Ext. 4924.

00 HONDA CIVIC EX - dark green, 4cyl, a/t, 2 Door, all pwr, m/roof, keyless ent., many extras. 59K mi. \$8,400. Ext. 3089.

99 JEEP CHEROKEE SPORT - 2 dr, 5 spd. 4.0 6cyl, red, new tires, brakes. Tube r/bmp, 2" hitch. 102K mi. \$4,000/neg. Ext. 3001.

95 DODGE HANDICAP VAN - 6cyl. Many new parts. Rem contr for side drs & lift. Best offer. Ext. 8488 or 929-4663.

95 CHEVY BERETTA - 2 door, very clean, has new tires and brakes. Runs well. \$1,300. 289-9727.

90 HONDA LX COUPE - a/t, am/fm/cass., orig. owner, dealer serv., many new parts, runs v. well, b/o. 210K mi. 751-8403.

88 GMC PICKUP - 5.7 liter, a/t, 4X4, half ton. \$1,400. Ext. 2531.

86 HONDA 700VF MOTORCYCLE - low mi. New fork seals, fuel pump, batt. Best offer. 2,600 mi. Ext. 8488 or 929-4663.

84 FORD BRONCO - 8cyl, 4 spd, well maint., vg cond., loaded. 100K mi. \$4,200/neg. 875-9426.

68 CHEVY CHEVELLE MALIBU - fr. end redone, restor. proj. Runs well, new brks, some rust. 350-hurst. \$6,500/neg. 988-5231.

Boats & Marine Supplies

19' GRADY WHITE TOURNAMENT - 130 hp Yamaha, magic tilt trailer, full encl., VHF & Depth Finder, more. \$8,000. 878-8302.

20' SHAMROCK CTR CONSOLE - 350 Chev eng. ib, trailer. \$16,500/neg. Ext. 4312.

32' BRISTOL SLOOP - Sleeps 5, diesel, wheel, galley, centerboard/ keel, draft 3'-6. \$17,500/neg. Thomas, Ext. 5275.

Furnishings & Appliances

BUNK BED LOFT SYSTEM - twin, white attach dressers w/toy box at top. excel. cond. Drawers still have warr. 662-1220.

RECLINER - pics avail., \$30. 909-1498.

TORCHIERE LAMPS - 3, 300W halogen, 6'tall, dk grn/brass. Not identcl, but look gd together, \$25ea. Ext. 2211 or 813-9434.

WALL OVEN - GE, self cleaning, vg cond., black, 28"Hx25"W x 24"D. \$250. Ext. 7043.

WINDOW A/C UNITS - excel. wkg cond, W/1pool 8,000BTU 6yr. old \$100; Frigid-aire 5,450BTU 5 yr. old \$75. 722-3967.

Audio, Video & Computers

WEBCAM - Creative, Live!, 640 X 480, 15 fps, good cond. \$10. Yugang, Ext. 3485.

X-BOX 360 - w/modem/auto-save, 3 cntrls, 5 games: NBA Live07, Madden 07, Lost Planet, Gears of War, Ghost Recon; 3-yr. warr. Mary, Ext. 6344.

Sports, Hobbies & Pets

BUMPER POOL TABLE - bought for \$180, asking \$120/neg. comes with cues/extra tips. Matthew, 917-225-7706.

DOG SUPPLIES - lge cargo style crate w/casters, 32"L 22"W 28"H. 25' leash, retracts; water dish. \$35/all. Elaine, Ext. 2211.

GOLF CLUBS - 24, mixed ladies/juniors, irons/woods. 2 carry bags, glove, practice balls. \$15/all. 813-9434.

ICE SKATES - Size 5 hockey skates - \$20. John, Ext. 3222.

ORIGINAL X-MEN COMICS - Silver age, Issues 39-49, excel. cond., not graded. \$200/firm. Ext. 4538.

PHOTO ENLARGER - Durst F30 w/stand, gd. cond., \$25. 698-0057.

TICKETS-POCONO CUP RACE - 2 tkts for NASCAR NEXTEL Cup Pocono 500 6/10. Terrace Vista, top row, turn three. \$80 ea. Ext. 5658 or 727-6714.

WETSUIT - Ocean Ray boy's 3mm jumpsuit. Fits 12-13 yr old, excel. cond. \$30. Ext. 3222.

YANKEE TICKETS - 4 tickets for Yankee/Seattle game. Saturday, 5/5, 4 p.m. Tier 12, Row P. \$20/each. Andrea, Ext. 4656.

Tools, House & Garden

COMMERCIAL SEWING MACHINE - Singer Mdl 31-15 med. duty, 48"x22" tble, steel legs, drawer & light. 516-449-1623.

Miscellaneous

JEWELRY BOX - wood, small, 4 drawers & necklace hooks. Ask \$10. Ext. 3431.

LEAF BLOWER - Poulan weed wacker, gas pwr., old but works, \$15. 698-0057.

LUGGAGE ROOF RACK - 2 cross pieces from '03 Tahoe, may fit other vehicles, \$75/both. Pete, Ext. 2790.

PROM DRESSES - Several styles & colors. Small sizes. Pics available upon request. Reasonable prices. 793-5399.

SLIDING GLASS DOOR - builder's grade, 9 yrs. old, just removed. \$75 obo, you pick up. John, 331-4792.

WOODEN SWING SET - swings, glider, fort w/slide, cargo net, monkey bars. You pick up. \$125.00. Ext. 5132 or 744-6309.

Yard & Garage Sales

BROOKHAVEN - 14 Beach St., 5/05 & 5/06 rain or shine furn., books, antiques, craft/sewing items & more. 591-4254.

YAPHANK - 482 Yaphank-Mdl Is Rd., May 19 & 20, no reas. offers refusd. Ext. 4538.

Happenings

CHINESE AUCTION - theme baskets, St. Andrew's Episc. Church, Main Str., Yaphank, Sat., May 5, 12:30 start. Ext. 4538.

Free

BASKETBALL BACKBOARD - Portable, gt cond, you pick up. Rich, Ext. 5741.

SOFA - 7', no longer firm, but otherwise gd cond. John, Ext. 4354 or 744 6606.

Wanted

90 CC QUAD RUNNING OR NOT - I am looking to purchase a 90cc Quad for my 8 yr old son. Joseph, Ext. 7316 or 929-0668.

CAREGIVER FOR BABY - In Ctr Moriches, F/T-M-F. Loving, nurturing mom-type to care for one-yr old. Refs. 929-0596.

HOUSE TO RENT - close to Lab. 1 to 3 bdrms. Avai. before June 15. Ext. 5351.

HOUSE TO RENT - need at least 2 bdrms w/lots of closets, pref nr Lab. \$1300/mo or less. Excellent tenants! Ext. 4538.

PAPER CUP LIDS - I'm looking for the paper lids to cups suppl. here at BNL. Call, I'll pick them up. Ext. 7477.

ROOM OR APT - Small, cheap, nr Lab. Kitch & bath. For min. 1 yr, max 2 yrs. 1 person. Eugenio, Ext. 2365 or 375-6341.

Lost & Found

FOUND: KEYS - car and house keys found at gas station. Joanne, Ext. 8481.

LOST: HEARING AID - 3/4" in-ear device; tan color w/blue "oticon" notation. Ext. 5159.

For Rent

ANTIGUA - Timeshare week 11/24-12/1, Studio by pool side at resort w/beach view, see www.antiguavillage.net \$1,000/wk./neg. Michael, Ext. 2550 or 744-7360.

BROOKHAVEN - New 1-bdrm furn. apt. Airy 2nd flr, priv. ent. Cable, heat, A/C, electric, water, wireless internet incl. \$1,200/mo. 399-1435.

FARMINGVILLE - 1 bdrm in lg house, share bath w/2, full kit., l/r, d/r. elec incl. \$450/mo. Ben, 513-8275.

LENOX, MA - 2 bdrm., 2 bath, timeshare unit, max. 6 people during 11/17-24, \$900/mo. 909-1498.

MEDFORD - 1 bdrm., full bath, eik, sep. ent., 15 min to BNL, util (elec, heat, TV, Internet) incl., no pets/smkg. \$900/mo. Betty, Ext. 3562 or 758-2653.

N. SHIRLEY - 1-bdrm. apt, grd level, fully furn, pvt. ent., 4 min to Lab, utils incl., single, no smkg./pets. \$800/mo. 281-3479.

RIDGE - 1 bdrm. apt., priv. ent., eik, cac, huge backyd., 4 mi. to BNL, incl. all for single prof, 1 mo sec/ref. avail. \$650/mo. 657-0159.

ROCKY POINT - 1-bdrm. apt., kit., l/r, bath, pvt. dr/way/ent., no smkg/pets, 1 mo. sec., utils not incl. \$850/mo. 821-3287.

SHIRLEY - 3 bdrms., 1-1/2 baths, fridge, w/d, gar., fenced yard, full bsmt., nr beach, d/r, kit., avail. 6/1. \$1,000/mo. Joseph, Ext. 4030 or 745-2495.

For Sale

BROOKHAVEN - 4 bdrm., 2 bath cape, cac, oil ht., full bsmt., 2 car gar., renov kit. & baths, by wood preserve, perennial & organic veg. garden. \$449,000 286-2505.

FLANDERS/SOUTHAMPTON TOWN - Waterfront 2 BR, Cathdrl, skylts, FPL, patio, renov. 2003, Nr Hamptons, nFork. <http://ti-nyurl.com/2ktm7s>. \$595,000. 764-0360.

MANHATTAN - Timeshare, any 7 days per year. Across from Carnegie Hall. Sleeps 4, 1 bath, kitchen. \$23,500 OBO. Gerhart Friedlander, 631-650-3222.

MILLER PLACE - 4-bdrm. Col., l/r, d/r, lg eik, den, 2.5 baths, gar., wooded lot, 20 min. to BNL & SBU, 5 min. to beach. \$450,000 473-4715.

SHOREHAM - 4-bdrm, 2-1/2 bath, formal l/r & d/r, den, fin. bsmt., igs, 2 car garage. \$589,000/neg. 821-3320.

SOUND BEACH - 3BR/1BA ranch, eik, cac, fenced, l/r w/fire pl, deck, jacuzzi, new walkway, fin bsmt, wd floors, new w/d, taxes \$5,300 w/Star \$385,900. 821-4409.

YAPHANK - Whispering Pines Birch Model 2 Br townhouse End unit, fin.bsmt., gar. Updated master bath. Backs to quiet treed area. \$305,000 929-4920.

On-Site Services

ENTERPRISE RENT-A-CAR - Stop by the on-site office at Bldg. 355, 50 Brookhaven Ave., to check weekend specials, daily rates. Or call Ext. 4888 or see www.enterprise.com.

ON-SITE SERVICE STATION - In addition to gas, the station provides all vehicle services, NYS inspections, new batteries, tires, timing belts, repairs, etc., done while you are at work. Ext. 4034.

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