

## BNL Physicist Nicholas Samios Awarded Gian Carlo Wick Medal *Recognized for contributions to discoveries at RHIC*

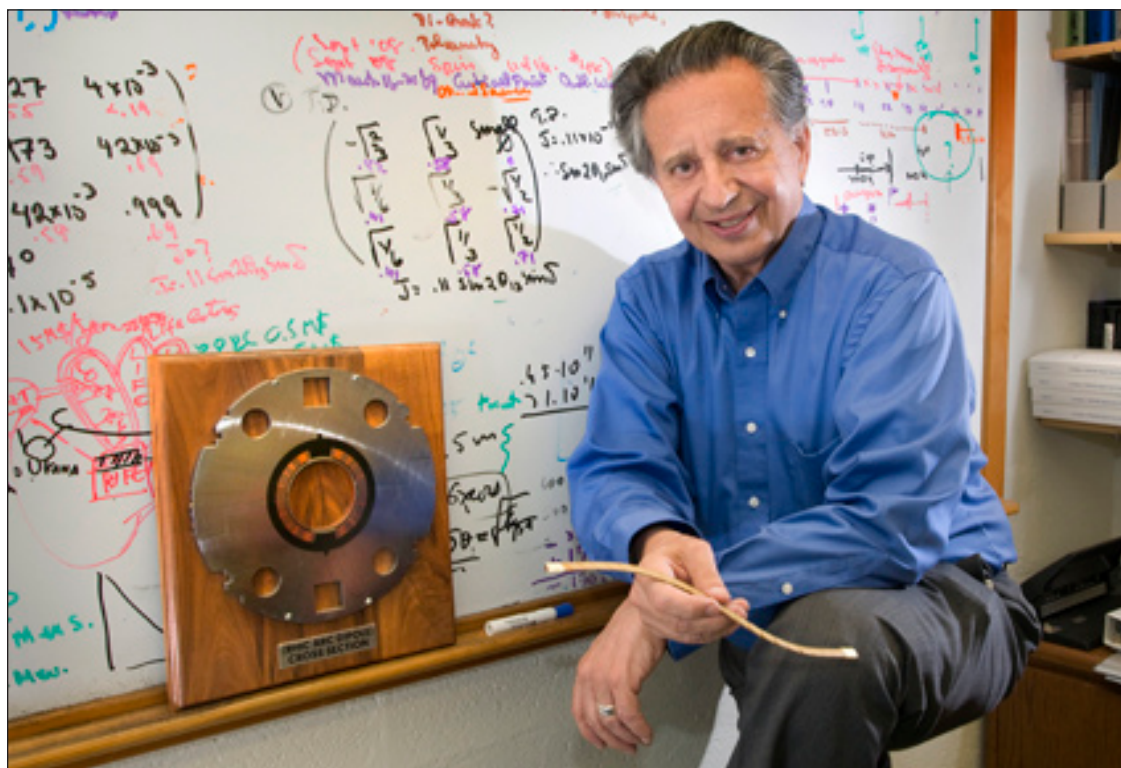
Distinguished Senior Scientist Nicholas Samios, former Laboratory Director and Director of the RIKEN BNL Research Center at BNL, has been chosen by the World Federation of Scientists (WFS) as the recipient of the 2009 Gian Carlo Wick Gold Medal Award, which is given annually to a theoretical physicist for outstanding contributions to particle physics.

Samios was cited "For his visionary role in the successful construction of the Relativistic Heavy Ion Collider (RHIC), and for his intellectual leadership in a series of remarkable experimental discoveries which established the existence of Quark Gluon Plasma (QGP), a new phase of strongly interacting nuclear matter."

"I am honored to be the recipient of this award and particularly pleased to be recognized for my efforts towards the successful construction, utilization, and physics productivity of RHIC," Samios said. "I must also acknowledge the major influence of the pioneering work of T.D. Lee and Gian Carlo Wick, who explored the structure of matter under extreme conditions of temperature and density, which greatly motivated the RHIC project," Samios added.

Said BNL Director Samuel Aronson, "The stunning findings from RHIC have presented us with some challenges and surprises, the foremost being that the matter we've created appears to behave more like a liquid than the gas we had expected. Nick's vision in designing such a versatile machine has enabled a detailed exploration of the properties of this unique form of matter, and an equally compelling investigation of another scientific mystery — the origin of proton spin."

RHIC began operation in 2000, following ten years of development and construction.



Roger Stouenburgh 00250609

Hundreds of physicists from around the world use RHIC to study what the universe may have looked like in the first few moments after its creation. RHIC drives two intersecting beams of gold ions, gold atoms stripped of their electrons, into head-on subatomic collisions to learn about the forces that hold matter together — from the smallest subatomic particles to the largest stars. RHIC also collides beams of polarized protons to find out more about the property of spin, as intrinsic and important to a particle's identity as its mass and charge.

Samios first came to BNL as a summer student in 1952, and joined the Physics Department

“For his visionary role in the successful construction of the Relativistic Heavy Ion Collider, and for his intellectual leadership in a series of remarkable experimental discoveries...”

as an assistant physicist in 1959. Serving as Physics Chair, 1975-81, Deputy Director for High Energy & Nuclear Physics, 1981-82, and Laboratory Director, 1982-97, he was the person with ultimate responsibility for building RHIC.

"Nick understood the various theoretical conjectures motivating such a facility, and brought together various elements of the theoretical and experimental physics communities, as well as those involved in accelerator design, insisting on a flexible design for the machine so that it could

produce ion-ion collisions at a range of energies, as well as proton-proton and proton-ion collisions," Aronson said. "Under his leadership, together with

the then Associate Lab Director for High Energy & Nuclear Physics, Mel Schwartz, he also brought together the vision of a suite of overlapping yet complementary detectors at RHIC."

The versatility of the accelerator concept and the diversity of the experiments proved to be essential for the present success and future potential of the RHIC program.

Data collected and analyzed over nine years of operations from collisions of various species of ions over a broad range

of energies clearly support the case that RHIC's gold-gold collisions are routinely producing a freely flowing liquid composed of quarks and gluons — the subatomic constituents of protons and neutrons. Such a substance, often referred to as quark-gluon plasma, last existed just after the dawn of the universe some 13 billion years ago. At early times in RHIC collisions of large nuclei, this matter has an energy density much greater than that inside a proton. The matter is so strongly interacting that it becomes nearly opaque to high-energy quarks passing through it. Its viscosity is so low that it is believed to be near the predicted quantum limit, making the matter produced at RHIC the most nearly "perfect" liquid ever observed.

The accelerator and detector capabilities at RHIC are currently being upgraded to enhance the facility's potential for further discoveries. Among the promising scientific leads being pursued are: the possibility that cold nuclear matter attains an as yet undiscovered universal form under the conditions of very high gluon density that control the earliest stages of RHIC collisions; the possible existence within RHIC's region of accessibility of a unique nuclear matter "critical point" akin to the one where

See *Samios' Award* on pg. 2

## Successful Power Transformer Upgrade at the AGS

Scientists and support staff achieved a successful upgrade at the Alternating Gradient Synchrotron (AGS) in replacing the main power supply transformers while the Relativistic Heavy Ion Collider (RHIC) was offline. The four original 40-year-old power transformers were reaching the end of their useful life, and neither the AGS nor RHIC could run without them. Also, the new transformers were designed and built to reduce the disruption of the electric current, or "ripple effect," that RHIC experiences. This, in turn, mitigated the loss of polarized protons (protons caused to spin in one direction) that are studied at RHIC.

When RHIC runs, if the AGS main ring power supply were plugged directly into the Long Island Power Association (LIPA) grid, eastern Long Island lights would flicker continuously.

Instead, a motor generator set buffers the pulsating load from the grid line. The instantaneous power needed to pulse the ring is taken from the energy stored in the rotating mass of the generator, and LIPA supplies only the average power dissipated in the system.

The project, which was successfully completed under budget, cost approximately \$3.6 million, funded by DOE's Office of Science, Office of Nuclear Physics. Thanks to the Collider-Accelerator Department, Facilities & Operations Division, and Maintenance & Fabrication Services Division staff's contributions, the transformers were up and operating for the 2009 RHIC run.

For more information, go to [http://www.bnl.gov/today/story.asp?ITEM\\_NO=1089](http://www.bnl.gov/today/story.asp?ITEM_NO=1089).

— Satya Shanmugham



Roger Stouenburgh 02470409

Many members of BNL's upgrade team for the AGS transformers.

CALENDAR

OF LABORATORY EVENTS

- The BERA Store in Berkner Hall is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Events flagged with an asterisk (\*) have an accompanying story in this week's Bulletin.

— REGULARLY —

Weekdays: Free English for Speakers Of Other Languages Classes

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

Mondays: BNL Social & Cultural Club

Noon–1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov)

Mondays & Wednesdays: Pilates

12:15–1:15 p.m. Mons.; 5:15–6:15 p.m. Mon. & Wed. Rec. Hall. \$75/once/wk., Registration is required. Ext. 5090

Mondays & Thursdays: Kickboxing

\$5 per class. Noon–1 p.m. in the gym. Pay as you go. Ext. 8481

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

Noon–1 p.m., B'haven Cntr N. Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov)

Tuesdays: Hospitality Coffee

10:30 a.m.–noon, Rec. Hall lounge. All welcome. Ext. 5090

Tuesdays: BNL Music Club

Noon, B'haven Center, N. Room. Come hear live music. Joe Vignola, Ext. 3846

Tuesdays: Knitting Class

2–4 p.m. Rec. Hall. All levels of skill. Ext. 5090 for information.

Tuesdays: Jiu Jitsu

6:30–7:30 p.m. Gym. All ages, 6 yrs. to adult. \$10/class, pay as you go. Tom Baldwin, Bldg. 452, Ext. 4556

Tuesdays: Toastmasters

3 monthly meetings: 2nd Tuesday: Noon, Berkner, Rm. D: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Rm 160. Guests, visitors welcome. <http://www.bnl.gov/bera/activities/toastrnstrs/>

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

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

Tuesday & Thursday: Aerobic Fitness

5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, [flood@bnl.gov](mailto:flood@bnl.gov)

Tuesday & Thursday: Aqua Aerobics

5:30–6:30 p.m., Pool. Registration is required. Ext. 2873

Tuesday & Thursday: Jazzercise

Noon–1 p.m. Rec. Hall. 8-wk session, \$90 2x/wk. Holbrook & Wading River locations too. Registration is required. Ext. 2873

Wednesdays: On-Site Play Group

10 a.m.–noon. Rec. Hall. Infant/toddler drop-in event. Parents meet while children play. Restarts 9/10. Petra Adams, 821-9238

Wednesdays: Ballroom Dance Class

B'haven Center, N. Ballroom. Instructor: Giny Rae. Three 1-hr. classes, starting at 5:15 p.m. Ext. 3845

Wednesdays: Yoga

Noon–1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, [ila@bnl.gov](mailto:ila@bnl.gov)

1st Wednesday of month: LabVIEW

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

Thursdays: BNL Cycletrons Club

Noon–1 p.m., First Thurs. of month. Berkner, Rm. D. Toni Hoffman, Ext. 5257

Thursdays: Reiki Healing Class

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

Fridays: BNL Social & Cultural Club

Noon–1 p.m., B'haven Center, S. Room, free beginners dance lessons. 7–11:30 p.m. N. Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, [alforque@bnl.gov](mailto:alforque@bnl.gov)

Fridays: Family Swim Night

5–8 p.m. BNL Pool. \$5 per family

Fridays: Family Gym Night

5–8 p.m. Family gym activities. Free

**CIGNA Representative**

A CIGNA Healthcare representative is available in Human Resources, Bldg. 400, or by phone to assist with claims issues you have been unable to resolve yourself through CIGNA's Customer Service number (1-800-CIGNA24) — by appointment only. You need to provide all pertinent documentation. To schedule, call Ext. 5126.

**Please, Donate Blood**

Giving blood is hard for many people, but thanks to the generous and unselfish blood donors, our family members or friend could be saved during an accident or illness. The Lab will hold a Blood Drive on June 16 & 17, 9:30 – 3 p.m., at the Brookhaven Center — please make every effort to give blood. Donors must be 16 to 75 years of age, in good health and weigh over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have a photo ID. To make an appointment, log on to the Human Resources webpage, click on “Blood Drive” and select “Schedule an Appointment” or contact Liz Gilbert, Ext. 2315.

**TIAA-CREF One-on-One Retirement Counseling**

A TIAA-CREF consultant will visit BNL on Thursday, June 18; Tuesday, June 23; and Thursday, June 25 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, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call 1-800-732-8353.

Arrivals & Departures	
— Arrivals —	
Eric Dooryhee .....	NSLS-II
Jillian Fan .....	Biology
Brendan Kennedy .....	NSLS
Chaminda Kodituwakku ....	NSLS-II
Robert Lenahan .....	PPM
Melissa Patterson .....	Chemistry
Dazhi Sun .....	CFN
Anthony Sturcken ...	Mod. Proj. Ofc.
James Stewart .....	Physics
Chris Tschinkel .....	Maint. & Fab.
Chenghao Yu .....	NSLS-II
Zhihua Xu .....	CFN
— Departures —	
Sean Hightower .....	Chemistry
Arshad Mahmood .....	Biology
Lisa Ramirez .....	NNS
Rahul Sharma .....	Physics
Dario Stacchiola .....	Chemistry

**Samios Awarded from pg. 1**

ice, water and steam can coexist; hints that certain fundamental symmetries of nature may be violated at the extreme temperatures reached in RHIC collisions and in the early universe; and possible solutions to the puzzle of how the proton spin arises from its quarks and gluons.

“The versatility and flexibility of the RHIC facility, conceived under the leadership of Nick Samios, position us well to continue our explorations into these exciting areas of physics,” concluded Aronson. “It’s especially satisfying to celebrate this recognition of Nick’s accomplishments as we embark on this new frontier.”

**Contributions, Honors**

Nicholas Samios received his B.A. and Ph.D. degrees in physics from Columbia University (CU) in 1953 and 1957, respectively. As a Brookhaven researcher from 1959, Samios made many of the particle discoveries that have helped define and lead to the acceptance of the “Standard Model” of particle physics, the accepted theory that explains known particle interactions. In particular, he is noted for the discovery of the phi meson and the omega minus hyperon, crucial elements delineating the



Roger Stoulenburgh 00390609

With more than 200 participants, this is one of OEP’s largest groups of summer guests in recent history.

# Summering at Brookhaven Lab

**More than 200 summer interns arrive for the 2009 summer programs**

BNL may not have the beaches or glitzy nightclubs of the nearby Hamptons, but more than 200 excited guests from universities across the country gathered in Berkner Hall on Monday, June 1, eager to begin their summer stay at the Lab.

“You are about to embark on one of the most remarkable summers of your career,” said Ken White, manager of the Office of Educational Programs (OEP), as he welcomed the incoming undergraduate, graduate, and faculty participants.

Lab Director Sam Aronson then addressed the group, welcoming them and emphasizing the importance of working safely. DOE’s Brookhaven Area Office Manager Mike Holland also welcomed the group as he spoke of exciting new facilities and improvements at the Lab.

To be part of one of OEP’s largest groups of summer guests in recent history, more than 1,300 people applied for approximately 210 available internships. Those selected will participate in DOE programs: the Community College Institute (CCI), DOE-Academies for Creating Teacher Scientists

(DOE-ACTS), Faculty and Student Teams (FaST), Graduate Research Internship Program (GRIP), Pre-Service Teacher Program (PST), and Science Undergraduate Laboratory Internship (SULI). In addition, several Dowling College students will participate in the Minority Teacher Development and Training program.

According to OEP program administrator Noel Blackburn, “The summer participants will work directly with mentoring researchers and support staff. They will be involved in nearly every aspect of the scientific community at BNL from the Center for Functional Nanomaterials to Instrumentation, Waste Management, Environmental Services, Physics, and Chemistry.”

Fellow OEP program administrator Mel Morris added, “For many students, this internship becomes a defining moment as they make academic and career choices. And at this world-class science facility, we have staff members who realize that we have to develop the work force of the future to maintain our leadership in science and technology in the 21st century.”

But the Lab’s summer programs are not strictly work without play. “We hope to give everyone a well-rounded experience,” said Blackburn. “Of course, they are here for research, but we also encourage them to participate in a graduate school fair, exposing them to different grad schools’ opportunities, and social and cultural activities including a softball game, dance party, talent show, and movie nights.”

A second group of nearly 70 summer-program participants, including middle- and high-school students and teachers, are expected to arrive at the Lab later this month. Throughout the summer, the Science Learning Center will also host elementary- and middle-school students involved in various camps and programs, including the Lab’s summer camp for employees’ children.

The 2009 summer programs will run until the week of August 3. Participants will submit research papers explaining their projects and present their work at a poster session prior to the closing ceremony on August 6.

— Joe Gettler

Talk on Healthy Marriages, Relationships, 6/10

The Lab community is invited to attend a talk by Diana Barnett, Academy of Certified Social Workers; on “Keys to a Healthy Marriage or Other Intimate Relationships,” from noon to 1 p.m. on Wednesday, June 10, in Berkner Hall, Room B. Sponsored by the Employee Assistance Program as part of the “Family Connections” series of talks, Barnett will discuss myths about marriage, stages of marriage, behaviors that create conflict and lead to divorce, and keys to maintaining a healthy relationship. All are welcome: registration is appreciated. Contact Linda DiPierro, [dipierro@bnl.gov](mailto:dipierro@bnl.gov) or Ext. 4564.

symmetry of hadrons, which ultimately led to the quark model of elementary particles, a pillar of the Standard Model.

Samios also made significant contributions through a decade-long study of neutrino interactions, both at BNL and at Fermi National Accelerator Laboratory. These studies included the discovery of the charmed lambda – the first charmed baryon observed — and early measurements of neutrino electron elastic scattering and limits on neutrino oscillations. A Distinguished Senior Scientist since 1997, he became Deputy Director of the RIKEN/BNL Research Center (RBRC) in 1998, and RBRC Director in 2003. RBRC is a research center at BNL funded primarily by the Japanese RIKEN Laboratory to explore both the theoretical and experimental physics potential of RHIC. Samios also held the position of adjunct professor in CU’s Physics Department, 1970-95.

Samios’ many honors include the 1980 E.O. Lawrence Memorial Award, the 1980 New York Academy of Sciences Award in Physical & Mathematical Sciences, the 1993 W.K.H. Panofsky Prize, and the 2001 Bruno Pontecorvo Prize of the Joint Institute for Nuclear Research in Dubna, Russia. He was elected to the National Academy

of Sciences in 1982 and is a Fellow of the American Physical Society, the American Academy of Arts and Sciences, the American Association for the Advancement of Science, and the Akademia Athenon.

**World Federation of Scientists**

The WFS was founded in 1973 in Erice, Italy, by a group of eminent scientists led by the late Isidor Isaac Rabi of CU and Antonino Zichichi of the University of Bologna, Italy. Now an association of more than 10,000 scientists from 110 countries, the WFS aims to share knowledge among all nations so that everyone can experience the benefits of scientific progress. Samios will receive the prestigious Gian Carlo Wick Gold Medal Award on August 20 at a WFS meeting to be held in Erice, Italy.

**Gian Carlo Wick at BNL**

Gian Carlo Wick (1909-1992), a native of Italy, was an eminent theoretical physicist who led the theory group at BNL from 1957 to 1965. Among other contributions, while at BNL, Wick developed the helicity amplitude formalism (HAF) — a way to describe the collisions of particles with various spins — with his student, Maurice Jacob, then of the Ecole Normale in Paris, France, and later a distinguished theorist at

CERN, the European particle physics laboratory. HAF became and remains a basic tool for the analysis of the many particles discovered in the 1960s and for many modern theoretical calculations.

Senior Physicist Emeritus Larry Trueman of BNL’s Physics Department worked with Wick during this time, and in 1964 they authored an article on crossing relations for helicity amplitudes. Trueman, who led the Lab’s High Energy Theory Group, 1974-81, was appointed Associate Laboratory Director for High Energy & Nuclear Physics from 1988 to 1991.

Of Samios’ administrative years, Trueman said, “In all this time, Nick took a very active role in formulating the research program at the Lab. He was smart and made good decisions, and in addition to his earlier outstanding contributions in experimental physics, his vision and leadership led to the design, construction, and finally the operation of RHIC, maintaining the Lab’s celebrated role in high energy and nuclear physics.”

— Karen McNulty Walsh  
*Note: BNL theoretical physicist Michael Creutz of the Physics Department was honored with the Gian Carlo Wick Gold Medal Award in 2008.*

## Child Development Center’s ‘Universal Grandma’ Retires

Barbara Bosshard loves babies. Working in the infant center at BNL’s Child Development Center (CDC) for the past 18 years, she has been caring for the Lab’s youngest family members, first as an assistant and then, since 1999, as supervisor of the infant center. Bosshard retires on June 5.

“It’s been a wonderful and interesting time,” says Bosshard, who knows almost all the children in the CDC, having first met them as infants. “I have had the joy of watching so many of the children here develop and grow, and make milestones for themselves and their families.”

Parents of children at the CDC have always appreciated Bosshard’s nurturing care of their babies, and she has been hailed as the “universal grandma” from the special relationship she develops with each little one. Bosshard enjoys the differences between one baby and another, she says. “For example, one baby will fall asleep easily, one always has to be rocked, one will sit and play, another will climb on anything. I can tell you, you don’t get bored!”

Said Joann Faberille, who heads the CDC, “Barbara has dedicated herself to providing the highest quality care to the children in her charge in a most loving and nurturing way. She has worked, either directly or indirectly, with just about every child and family who has walked through our doors, and she will be dearly missed.”

In looking back, Bosshard



Barbara Bosshard with “universal grandchildren” at the BNL’s CDC.

feels that a unique quality about the CDC is its international atmosphere. “I’ve learned so much from having children from so many countries, all with different customs that each country thinks of as ‘normal’ for babies and small children,” she says.

Bosshard was no stranger to the international scene. She grew up in Basel, Switzerland, and spent six months in England looking after babies and getting her first courses in early childhood education. When her Swiss husband, the late Heinz Bosshard, joined BNL’s Biology Department in 1989, she and her young sons accompanied him to the U.S.

“Luckily for me, the CDC started in 1991, and I got a job assisting with the infants. Later, I went back to school to become a regis-

tered nurse. But I really wanted to stay with the babies, and so when the infant center supervisor made a career change in 1998, I was able to replace her in that position and at the same time be available as an RN for all the children.”

When Bosshard retires on June 5, she will still have young children in her life — her own granddaughters. “I live in Yaphank, and I am very lucky to have one son and his family living in Sound Beach and my other son in Manhattan, so I see them often,” she says. And an adventure is near — three days after leaving CDC, Bosshard and her whole family are off to Switzerland to visit her Swiss family, including a very special aunt. “I’ll miss everyone, but good days lie ahead,” she says.

— Liz Seubert



Gathered in the photo are Grounds Crew members: (front, seated, from left) Tom Pope, Herbie Harris, and Brian Hobson; (back, from left) General Supervisor Rich Jones, Howard Bell, Robert DeAngelis, Tom Setton, Grounds Supervisor Mike Pankowski, Troy Mayo, Dane DeFio, Ulysses Tapley, Andrew Trent, William Robinson, Art Scholtz, and Barry Lotko. Missing from picture are: Sally Calabrese, Dorene Cousin, Darren Harris, and Tom Lambertson.

## Focus on SAFETY

We welcome the warmth of spring, but that means we also need to share the road, sidewalks, parking lots, and grassy areas with employees of the Lab’s grounds crew who are using large mowers and other equipment to maintain the landscape of the site.

According to Tom Lambertson, Manager of the Site Services Division, the spring sunshine and the rise in temperature puts the BNL grounds crew at work in full force. The change in weather also brings out the number of employees,

## Move Over for Mowers

guests, and students who are walking, running, and biking.

Lambertson says, “We want to remind everyone that crews are working to maintain and trim the lawns, trees, and plants around the site. To do that, they use heavy landscaping equipment. Everyone on site should practice safety and remember, keep your distance and never walk behind equipment when the operator is unable to see you. When parking, drivers should try to leave space between the car bumper and the curb so that the grounds crew can effectively mow the grassy areas.”

Grounds Crew Supervisor Mike Pankowski says that the crew is

provided with safety sunglasses, special gloves, safety shoes, ear protection, sunblock and other precautionary items like spray for ticks and poison ivy. “The crew works outdoors year round doing landscaping in the summer and snow and ice removal in the winter. Just mowing the lawn in the developed areas of the site takes seven or eight working days. Once it’s done we start all over again,” said Pankowski. “They are a hard working group, and I think they do a fantastic job.”

So, enjoy the beautiful landscape and the sunshine, but remember to give the right-of-way to the grounds crew. — Jane Koropsak

## BERA Trips

Purchase tickets at the BERA Store in Berkner, which is open Monday through Friday from 9 a.m. until 3 p.m.

- **Clearwater Festival:** Musical festival to benefit New York’s Hudson River. Satur-

day, June 20. \$40 per adult, \$10 per child 12 years and younger. Depart from BNL at 9 a.m. and leave park at 5 p.m. See <http://www.clearwater.org/festival/aboutfestival.html>.

- **BERA Summer Party:** At the Miller Beach Surf Club on Wednesday, July 1 (Lab holi-

day on 7/2), 5:30–10 p.m. \$50 per person, includes open bar and dinner buffet overlooking the Long Island Sound.

- **Dorney Park:** Friday, July 17. Two buses will depart BNL at 7 a.m. and leave Dorney Park at 6 p.m. \$30 per person.

## Benefits Office Reminder Student Status

All medical/dental plan participants are reminded to submit updated proof of student status to the Benefits Office, Bldg. 400B, for the upcoming college semester. The Benefits Office will submit this to the insurance company on your behalf. Proof of student status must be in writing from the college or university and include:

- *Dependent name*
- *Name of college/university*
- *Semester for which the child is attending*
- *Indication of full-time status (usually at least 12 credits for undergraduate programs)*

For a child over age 19 to be eligible for benefits, he or she must be unmarried, a full-time student attending an accredited college or university, and primarily supported by you. Dependent children who meet these criteria may be covered until the end of the year in which age 23 is attained.

Employees covering dependent children over the age of 19 as full-time students should be aware that full-time students are only covered in between semesters if the student attends classes on a full-time basis for both the spring and fall semesters. Otherwise coverage ends on the last day the child attended an accredited college or university on a full-time basis. If there is a possibility that the child may not be in full-time attendance for the fall semester, contact the Benefits Office immediately to discuss continuation of benefits through COBRA. You must notify the Benefits Office if you have dependents on your coverage that do not meet the above criteria. These dependents may be eligible for COBRA benefits. For more information, call the Benefits Office, Ext. 2877 or 5126.

## BERA Golf Association BNL Cup Outing, 6/15

The BERA Golf Association will hold its Fourth Annual Brookhaven Cup outing at Pine Hills Country Club on Monday, June 15. Two teams will compete for prizes and the cup. North and south teams will be based on participants’ home addresses in relation to a major east/west route. Players will play their own balls, and the best two-thirds of the adjusted net scores of team members will provide the team score. Two disaster holes, one from each nine, will be deducted from a player’s net score to arrive at the adjusted net score. The cost is \$55, which includes the greens fee, a cart, and \$10 toward prizes. All golfers, of no matter what ability, are welcome for this fun-filled event. For more information, visit <http://www.bnl.gov/bera/activities/golf/> or contact Jeff Williams, Ext. 5587 or [jwilliams@bnl.gov](mailto:jwilliams@bnl.gov).

## Cycletrons Motorcycle Club Lunch, Group Ride, 6/16

The Cycletrons will be hosting a Ride to Work lunch on Tuesday, June 16 (this is rescheduled from the original date). The first Ride to Work Day took place in 1992. It was established to encourage commuting via two wheels, and motorcycle and scooter groups and organizations actively encourage riders to commute by cycle on this day. All BNL motorcycle enthusiasts are invited to join the Cycletrons Motorcycle Club for their annual luncheon and group ride. The cost is \$5 per person — at the Gazebo at noon. For more information, contact Frank Dusek at [dusek@bnl.gov](mailto:dusek@bnl.gov) Please RSVP for the lunch in advance to Toni Hoffman, [hoffman1@bnl.gov](mailto:hoffman1@bnl.gov)

## CALENDAR

### — THIS WEEK —

#### Friday, 6/5

**2009 RHIC & AGS Users’ Meeting**  
Last day, plenary session. See [http://www.bnl.gov/rhic\\_ag/users\\_meeting/default.asp](http://www.bnl.gov/rhic_ag/users_meeting/default.asp)

### — WEEK OF 6/8 —

#### Wednesday, 6/10

**\*Talk on Marriage, Relationships**  
Noon-1 p.m. Berkner Hall, Room B. Diana Barnett, ACSW, talks on “Keys to a Healthy Marriage or Other Intimate Relationships.” All are welcome. See pg. 2.

#### Thursday, 6/11

**Get Your Discount Perks Card**  
11 a.m.-2 p.m. Berkner Hall lobby. Perks Card representatives give out free cards with local and national discounts.

#### Friday, 6/12

**\*Two Guitarists: Vignola, Raniolo**  
8 p.m. Brookhaven Center. Concert sponsored by the BNL Music Club, open to the public: Guitarist/composer Frank Vignola and local guitarist Vinny Raniolo will perform. Tickets are \$15 in advance, \$20 at the door. See details, pg. 4.

### — WEEK OF 6/15 —

#### Monday, 6/15

**\*Labwide NSLS-II Celebration**  
Hold the date. See notice, pg. 1. More details to follow.

#### Tuesday, 6/16

**\*Lab Blood Drive**  
9:30-3 p.m. Brookhaven Center. Donations are vital. See top of pg. 2 for details.

**\*Cycletrons Lunch, Group Ride**  
Noon. Gazebo in ball field. All welcome. RSVP [hoffman1@bnl.gov](mailto:hoffman1@bnl.gov). See notice below.

#### Wednesday, 6/17

**\*Lab Blood Drive**  
9:30-3 p.m. Brookhaven Center. See top of pg. 2 for details.

**452nd Brookhaven Lecture**  
4 p.m. Berkner Hall. Nikolaos Simos, Energy Sciences & Technology Department, will talk on “Extreme Environments of Next Generation Energy Systems and Materials: Can They ‘Peacefully’ Co-exist?” All are welcome to this free talk, open to the public. Visitors to the Lab of 16 and over must carry a photo ID.



Please put donations of canned goods in the Food Drive bins located in many buildings, e.g. Bldg. 400 lobby, or by the Mail Room, Bldg. 179.

## Concert: Guitarists Vignola, Raniolo, 6/12

Guitarist and composer Frank Vignola will perform at BNL on Friday, June 12, at 8 p.m. Sponsored by the BNL Music Club, the concert, which will be held at the Brookhaven Center, is open to the public. Visitors to the Lab 16 and older must bring a photo I.D.

Vignola's repertoire crosses many genres and includes songs from Mozart to Black Sabbath as well as American popular songs, traditional jazz, bluegrass and contemporary tunes. He has recorded and toured with musical icons including Ringo Starr, Madonna, and Leon Redbone, and performed at masterclasses at many U.S. universities. Joining Vignola on stage will be local guitarist Vinny Raniolo. At the age of 23, Raniolo has already performed at local gigs and toured U.S. and Caribbean Islands as lead guitarist of the Radio Disney band.

Tickets for the show are \$15 in advance at the BERA Store in Berkner Hall or [www.ticketweb.com](http://www.ticketweb.com); and \$20 the day of the show. See also: <http://www.frankvignola.com/> and <http://www.vinnyraniolo.com/html/about.php> — Jane Koropsak



### Classified Advertisements

To apply for a position, go to [www.bnl.gov](http://www.bnl.gov). Select "Job Opportunities," then "Search Job List."

**OPEN RECRUITMENT** – Opportunities for Lab employees and outside candidates.

\*Note. (This note applies to positions below ending "See \*Note above.") When applying for a position, please add the contact and email address of at least three references in the Reference box located on the application page. If you have applied for multiple positions under one application, the same reference information is attached to all those positions. If you elect to use different referees for different positions, apply to each position separately. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years.

**SCIENTIST** (Group Leader in Microscopy) – The Center for Functional Nanomaterials (CFN) is seeking an outstanding electron microscopist to conduct research in nanomaterials and to lead its Electron Microscopy (EM) group. The CFN is a user-oriented research center with a scientific focus on energy-related themes and with state-of-the-art facilities in materials synthesis, nanofabrication and structural and functional characterization. The EM facilities consist of two dedicated aberration-corrected transmission electron microscopes (STEM and environmental TEM) and a versatile 200keV TEM, as well as a sample-preparation laboratory. Will join an interdisciplinary team devoted to carrying out the CFN's dual mission of conducting in-house research in nanomaterials for catalysis, solar-energy conversion, and inorganic-organic hybrid devices, and enabling nanoscience research by external users of the CFN facilities. Requires a Ph.D. degree in materials science, physics, chemistry or related field, at least eight years of professional experience in electron microscopy and an outstanding record of scientific achievements. Good communication and interpersonal skills are essential. Experience in managing a research group is highly desirable. The EM group leader's responsibilities include developing the strategic plan for the group; conducting research in topics related to the scientific themes of the CFN that fully exploits its advanced facilities; managing the user program in electron microscopy; managing a diverse group of scientists and engineers; and being a collegial member of the CFN's management team. Center for Functional Nanomaterials. Apply for Job ID#14893.

**POSTDOCTORAL RESEARCH ASSOCIATE** – Requires a Ph.D. in experimental condensed matter physics or related field. Experience in x-ray or neutron scattering and strongly correlated electron systems is highly desirable. Will participate in research program on charge inhomogeneities in strongly correlated systems, including bulk, interface and nanoscaled systems. Under the direction of J. P. Hill, Condensed Matter Physics & Materials Science Department. Apply for Job ID #14896. (See \*Note above.)

**POSTDOCTORAL RESEARCH ASSOCIATE** (Electrical Transport in Individual Nanostructures) – Requires a Ph.D. in physics, chemistry, materials science, or a closely related discipline. Demonstrated experience in transport or device physics is required. Experience in UHV methods is a plus. The opening is in a project on electrical transport in nanostructures (graphene, nanowires), using a "Nanoprobe" system in ultrahigh vacuum (UHV) and controlled ambient to measure properties important for future applications in energy conversion and storage. Catalysis and sensing. Under the direction of P. Sutter, Center for Functional Nanomaterials. When applying for this position, attach a

CV, publication list and a brief (< one page) statement of research interests. Apply for Job ID #14897. (See \*Note above.)

**POSTDOCTORAL RESEARCH ASSOCIATE** (Genotyping and Genomic Samples) – Requires a Ph.D. in molecular biology, human genetics or biochemistry. Experience with genotyping and genomic samples are required, as are good oral and written communication skills. Experience with imaging genetics and clinical research is highly desired. Working knowledge of preparation of primary genomic samples, performing genotyping, processing and data analysis is also desired. Will join the Neurogenomic Group of the Medical Department. The main program focus is to isolate DNA from human blood, genotyping, DNA purification and sequencing. This group will establish vital tools that combine genetics and neuroimaging to find causes for human disease. DNA will be subjected to a genotyping by PCR with a set of primers specific for brain-related genes. Employment is contingent upon the successful completion of a DEA background check. Under the direction of E. Shumay, Medical Department. Apply for Job ID #14898. (See \*Note above.)

**POSTDOCTORAL RESEARCH ASSOCIATE** (Electron-proton collision, Detector Simulations, Spin Physics) (Two Positions) – Requires a Ph.D. in physics, high energy nuclear physics or high energy physics. Experience in experimental particle or high energy nuclear physics and knowledge of physics event generators and detector simulation packages are highly desirable. These positions will involve work on physics and detector simulations to further develop the physics case of a new electron-ion collider (EIC) and guide the design for the detector. BNL has recently initiated a dedicated program of research in this area and is seeking talented individuals to actively participate in this effort. Work on the preliminary design of an EIC at BNL (eRHIC) is underway. Will get involved in studies of ep and eA collisions and the referring physics topics and document the feasibility of a broad range of measurements. In addition, will be expected to spend a fraction of his/her time on one of the existing RHIC experiments, either in the spin or the heavy-ion program. Under the direction of E. Aschenauer and T. Ullrich, Physics Department. Apply for Job ID #14899. (See \*Note above.)

**POSTDOCTORAL RESEARCH ASSOCIATE** (In-situ Time Resolved X-ray Diffraction, X-ray Absorption Spectroscopy, Photoemission) – Requires a Ph.D. in chemistry or chemical engineering. Extensive experience in structural characterization and reaction kinetics is desired. Will participate in studies of the structural, electronic and chemical properties of catalytic materials. The main objective of this project is to generate basic knowledge that can be used for the scientific design of industrial catalysts. The experimental work will involve the characterization of high-surface area powders using time-resolved x-ray diffraction (XRD) and x-ray absorption spectroscopy (XANES/EXAFS). Under the direction of J. Rodriguez, Chemistry Department. Apply for Job ID #14901. (See \*Note above.)

**ELECTRICAL RESEARCH ENGINEER II** (P-7) – Requires a bachelor's degree (a master degree is preferred) in electrical engineering and seven years of hands-on experience in the design of digital hardware and systems engineering. Will design, test, and integrate state of the art real time distributed control and data acquisition systems for the Relativistic Heavy Ion Collider complex. Experience with computer bus interfacing is required. Familiarity with high density programmable gate arrays and design tools for schematic capture and simulation is essential. Embedded microcontroller hardware/firmware design and development systems experience is highly desirable. Experience with analog signal interfacing desirable, as well. Industrial PLC experience is a plus. Must be able to analyze and troubleshoot systems with test equipment such as logic

analyzers and oscilloscopes. Requires excellent communications skills and experience with project planning & scheduling. Collider-Accelerator Department. ERAP Eligible \$1,000. Apply for Job ID # 14904.

**MECHANICAL/CIVIL ASSOCIATE/STAFF ENGINEER** (P-3/P-5) - Requires a bachelor's degree in mechanical, civil or marine engineering, and a broad knowledge of engineering disciplines and construction techniques. Some engineering design and analysis experience is preferred. CAD/CAE computer skills with ANSYS, Pro-E, Inventor, or equivalent software are desirable. Office skills with MS Word, Excel, and Project are required. Excellent written and verbal communication skills are required to direct the efforts of laboratory craft and technical personnel during maintenance and installations. A desire to perform creative engineering, to work hands-on with mechanical equipment, and work as part of a team to develop and build unique equipment is required. The Collider-Accelerator Department is responsible for operation, maintenance, and upgrade of the Relativistic Heavy Ion Collider (RHIC). As a member of the Experimental Support & Facilities Division, will design new equipment installations, build large static and dynamic structures, lifting fixtures, water and air cooling systems, and support the installation of cryogenic systems. Will be placed at the Associate Staff Engineer (P-3) or Staff Engineer (P-5) level dependent upon depth and years of experience. Collider-Accelerator Department. ERAP Eligible \$1,000. Apply for Job ID# 14547.

**UNIX/LINUX APPLICATIONS ENGINEER** (I-6/I-7) - National Synchrotron Light Source seeks a Unix/Linux Applications Engineer who will develop, test, and integrate control applications and provide program support for the NSLS accelerator control system. Will communicate with engineers and scientists to determine project specifications, prepare project schedules, determine resource needs, and resolve project issues. Proficiency in C/C++ and network programming in Unix/Linux environment, as well as experience in X-Windows GUI programming is required. Knowledge and experience in Fortran programming is a plus. Will have strong analytical and problem solving skills, as well as excellent communication skills to work with a diverse group of scientists and engineers. Requires a BS degree (MS degree preferred) in computer science, physics, or equivalent, and a minimum of 3 years' experience in Unix/Linux applications development. Will be placed at the Applications Engineer or Advanced Applications Engineer level dependent upon depth and variety of experience in the programming languages specified. National Synchrotron Light Source. ERAP Eligible \$1,000. Apply for Job ID #14902.

**ARCHITECTURAL PLANNER/ESTIMATOR** (T-5) - Responsible for planning, estimating, and scheduling all types of facility maintenance and repair work orders. Works closely with craft supervision concerning work planning, tracking, scheduling and completion of work orders. Duties include timely and efficient preparation of job layout, material orders, and labor estimates. Must have skills in organizing and leading people and be comfortable working independently or as a team member. Knowledge of and demonstrated ability to use R.S. Means construction estimating software and the New York State Building Codes required. Experience submitting written proposals, scopes of work, scheduling and coordinating site contractors and other assigned personnel preferred. Ability to operate Microsoft Windows computer systems utilizing Microsoft Office Products (Word & Excel), familiarity with Computerized Maintenance Management System Programs, and AutoCAD preferred. Requires a minimum of ten years' carpentry experience related to the construction, modification and maintenance of buildings and their component parts. Facility Operations Office. Apply for Job ID #14908.

**VACUUM SYSTEMS TECHNICAL SPECIALIST** (T-2) - Requires an AAS degree in electro/mechanical technology or equivalent experience, plus four years' experience in assembly, maintenance, repair and operation of ultrahigh vacuum systems and related equipment. Extensive experience in the use of hand tools and electronic test instruments is required as well as the ability to work from drawings, schematics, and verbal instructions. Must be self-motivated, able to work with minimum supervision, and have good communication skills. Will be responsible for fabricating, assembling, commissioning, troubleshooting and repairing vacuum systems and related equipment such as leak detectors, turbo molecular pumps, ion pumps, titanium sublimation pumps, residual gas analyzers, vacuum gauges and their associated controls. Proficiency with computers, machine shop practices, particle accelerator systems and/or large vacuum systems is desired. Collider – Accelerator Department. ERAP Eligible \$1,000. Apply for Job ID# 14903.

**DRAFTING SPECIALIST** (T-2) - National Synchrotron Light Source is seeking a Drafting Specialist to join the mechanical design group in the Experimental Systems Division. Under the supervision and guidance of the group leader, will design and layout mechanical parts and systems for the NSLS accelerators and beamlines. Will maintain close contact with NSLS mechanical designers, mechanical engineers,



Composed by Joseph Rubino D330509

## Brookhaven Veterans Association Holds Memorial Day Ceremony

To commemorate Memorial Day, the Brookhaven Veterans Association (BVA) hosted a ceremony at the flagpole in front of the Brookhaven Center on Friday, May 22. During the traditional ceremony, a red, white, and blue wreath was placed at the base of the flagpole while the guest speaker, Gene McSherry, Commander of the Veterans of Foreign War, Post 2476, Riverhead, NY, spoke on the importance of remembering the contributions of our armed forces, not just on Memorial or Veterans Day, but every day. In keeping with classic tradition, BVA member Louis Gerlach played taps on a trumpet followed by a moment of silence.

The BVA was established in March 2007. Membership is open to BNL employees, retirees, and employees of the Brookhaven Site Office of the U.S. Dept. of Energy, who are or were on active duty, reserve, retired or have received an honorable discharge from the U.S. military service. For more information on the BVA, contact Don Farnam, [farnam@bnl.gov](mailto:farnam@bnl.gov) or Ext. 8248.

and other individuals for whom work is being performed. Requires an AAS degree in mechanical engineering or equivalent and at least four years' working experience in the design of complex mechanical components and systems. Requires a working knowledge of engineering standards, codes, and policies including ANSI Y14.5, materials, machine shop practices, and vendor products. Good interpersonal skills and strong self-motivation are required. Considerable experience in managing layouts, parts, and assemblies in the drawings database is desired. Experience with Autodesk's AutoCAD and Inventor will be given preference. National Synchrotron Light Source. Apply for Job ID #14888.

### Motor Vehicles

07 KAWASAKI ZX-6R NINJA – 2.604K mi. excel cond, \$6,500 neg. Nick, Ext. 3696.  
04 NISSAN 350 Z – 22.1K mi. Touring Ed, a/t, Lthr, Garaged, \$17,200 neg. 567-5631.  
04 NISSAN 350Z – 35K mi. red, mint cond. \$16,000. Gil, 905-1617.  
03 NISSAN ALTIMA – 90.5K mi. CD/FM/AM. excel cond, \$7,200 neg. 516-474-6300.  
03 SUBARU FORESTER – 73K mi. silver, excel cond, still under warr. \$7,900. 475-0132.  
02 FORD WINDSTAR – 107K mi. p/w,p/l, a/c,dual slidg drs, sts 7. \$4,000 neg. 987-4281.  
02 HONDA CIVIC EX – 90K mi. 4dr, s/rf, abs, cd, p/w, p/l, 5spd. \$6,000 neg. 745-9611.  
01 FORD MUSTANG GT – 29K mi. lthr int, bullet whls new tires. \$11,900 neg. 764-8136.  
01 SUZUKI VITARA – 45K mi. 2dr, h/top, a/t,4wd, 4cyl, excel cond. \$5,950. 281-6026.  
97 ACURA 3.2TL – a/t, 4dr, all/p, c/c, a/c, s/rf, keyless start, \$3,795 neg. 344-5958.  
97 NISSAN PATHFINDER – 123K mi. 5spd, 4wd, gd cond, r/rck. \$2,300 neg. Ext. 7505.  
51 OLDSMOBILE 88 – runs well, looks gd. \$6,500 neg. Gil, 905-1617.

### Boats

26' WELLCRAFT NOVA SYDER – 87' twin 350 merc cruiser, \$6,100 neg. 235-9405.  
22' CATALINA 1973, SWING KEEL – boat/motor/trailer, all/sep, \$2,600 neg. 751-8731.  
17' SAILSTAR EXPLORER – seat 6, fgl, 2.5hp motor, trailer. \$990 neg. 286-1022.  
17' STARCRAFT – '70 boat, heavy, 88hp Evenrude eng., \$650 neg. 375-8519.

### Sports, Hobbies & Pets

METS TICKETS – 2, left-field landing row 5, 6/23 vs Cardinals, \$32/e; more. Ext. 2745.  
METS TICKETS – 2; Excelsior Lv; sec 338; r 3; on aisle. Call for dates. 751-7023.

### Tools, House & Garden

GENERATOR 1850 – \$250/obo; Crftsmn gas blow; \$40; pool filter, new, \$600. Ext. 7132.  
DEWALT 10 – used 10" compound miter saw, v/gd shape, \$120. shrey@bnl.gov.

SNAPPER RIDER MOWER – for parts, blade housing damaged, rest ok, \$250. 495-8099.

### Miscellaneous

CRIB – 3 in 1 conversion crib turns into toddler bed, excel cond. \$40. 775-9366.  
CRIB MATTRESS – like new, and firm, 150 coil, ask/\$20. Ext. 4532.  
MICROWAVE CABINET – w/wheels, solid wood, 18"d, 52.5"h, 25"w w/towel rack, drawer, storage, \$65/obo. 591-1183.  
PIANO – upright, Winter brand, needs tuning, can help move for fee, \$300. 286-1018.  
RECORDING EQUIP. – Color video camera: Sony DXC-3000, \$19k new, sell \$1200; recorders: Sony VO-9600, \$600; Sony VO-6800, \$300. New, in bxs w/mnuls. Ext. 2913.  
SHIATSU MASSAGING CUSHION – Homeedics Therapist, box unopened, Fathers Day gift, orig/\$99, ask/\$60. 672-4141.  
SKID STEER & TRAILER – 3-Cyc Isuzu Diesel Calcium filled tires 60" bucket, '95 hvy hauler trailer w/treks decking, 6x10 dual axle, elec brakes, new batt, more. 965-2270.

### Yard & Garage Sales

CENTER MORICHES – 6/6&7, yrs of STUFF, 9a-4p. 878-1178, murdock@bnl.gov.

### Car Pool

MEETS IN PLAINVIEW – 3-pers. car pool looks for 4th driver/rider, BNL hours 8a-4:30, call Elliott, Ext 2495 or Ron, Ext. 6068.

### Community Involvement

ADOPT-A-PLATOON – Monetary donations gratefully accepted towards mailing shipments to military overseas. Thank you. Joanne, Ext. 8481 or jrula@bnl.gov.  
TEMPLE BETH EMETH BARN SALE – Sun 6/7. 10 a-3p. 52 Mt Sinai Ave, Mt. Sinai. Clothes, electronics, much more. 744-8632.

### Happenings

CONCERT – Sound Symphony plays Beethoven's Ninth, Sat., 6/6, 8 p.m., W. Floyd HS w/W. Floyd & Westhampton Beach HS choirs. Ext. 5056 or mrowe@bnl.gov.  
YVETTE SINGS BOB PLAYS – 6/6 & 20, Yvette M. Blum sings, Bob Boucher plays keybrd, guitar @ Don Quijote Restaurant @ Miller Place, Route 25A. Ext. 5591.

### Lost & Found

SCANDISK 4GB CRUZER – Titanium Plus, found 5/28 in Berkner prkg, Ext. 2441.

### Rest of the Ads?

The Bulletin regrets that the rest of the ads are omitted for lack of space. Read them in the pdf version of this issue at <http://www.bnl.gov/bnlweb/pubaf/bulletin/default.asp> or get a copy at the Bulletin Office upstairs in Bldg. 400, or by calling Ext. 2346 (leave your address clearly) or e-mail [bulletin@bnl.gov](mailto:bulletin@bnl.gov).

All the ads from 6/5/09’s Bulletin

## Motor Vehicles

07 KAWASAKI ZX-6R NINJA – 2.604K mi. Bike is in excel cond, runs like new, Female ridden, never abused. \$6,500 neg. Nick, Ext. 3696 or njssli23@yahoo.com.

04 NISSAN 350 Z – 22.1K mi. Touring Edition,a/t,Leather,Loaded,Garaged,Like New. \$17,200 neg. Bill, Ext. 4201, 567-5631 or wking@bnl.gov.

04 NISSAN 350Z – 35K mi. red, mint cond. \$16,000. Gil, 905-1617.

03 NISSAN ALTIMA – 90.5K mi. Velvet Beige Metallic exterior, beige cloth interior. CD/FM/AM player. Excellent Condition, very well kept and maintained. No known issues. \$7,200 neg. Muhammad, 516-474-6300 or mparvaz@bnl.gov.

03 SUBARU FORESTER – 73K mi. silver, excel cond, still under warr. \$7,900. Debbie, 475-0132.

02 FORD WINDSTAR – 107K mi. p/w,p/l,a/c,dual sliding doors,excel. cond.,runs great,cln int,seats 7. \$4,000 neg. Joe, 987-4281.

02 HONDA CIVIC EX – 90K mi. 4dr, sun-roof, abs, cd, p/w, p/l, 5spd. \$6,000 neg. 745-9611.

01 FORD MUSTANG GT – 29K mi. red w/ gray leather int, bullet wheels new tires, excel cond. \$11,900 neg. Anthony, 764-8136.

01 SUZUKI VITARA – 45K mi. 2dr, hard-top, a/t,4wd, 4cyl, a/c, p/b p/s, p/w, p/l,tilt wheel, am/fm stereo, CD, 25mpg, excel cond. \$5,950. Denise, 281-6026.

97 ACURA 3.2TL – a/t, 6cyl, 4dr, p/s, p/w, p/l, p/seats, c/c, ice cold a/c, s/roof, drives great! keyless start, excel. cond, well-maint. \$3,795 neg. Cherno, 344-5958.

97 NISSAN PATHFINDER – 123K mi. 5spd, 4wd, gd cond, black, roof rack. \$2,300 neg. Ext. 7505.

51 OLDSMOBILE 88 – runs well, looks gd. \$6,500 neg. Gil, 905-1617.

## Motor Vehicle Supplies

TIRES – 2/Continental brand, P235-70/R16, tread depth 11/32”, no cuts or patches, excel cond, fits Ford/other SUV’s, \$5/ea. Joseph, Ext. 2975.

Boats

26’ WELLCRAFT NOVA SYDER – 87’ twin 350 merc cruiser, tandem trlr, call for details. \$6,100 neg. Bob, 235-9405.

22’ CATALINA 1973, SWING KEEL – boat/ motor/trailer, all or sep, v/gd main from Lee sails, gd 110, 135, 150, pimitive furler, or hanked 135 also good, v/fast, average cond. \$2,600 neg. 751-8731.

17’ SAILSTAR EXPLORER – seat 6, fiber-glass, mainsail/jib, centerbrd, 2.5hp motor, trailer,. \$990 neg. Sanford, 286-1022.

17’ STARCRAFT FIBERGLASS – ‘70 boat, heavy, rides well, it has an 88hp evenrude eng., cruises at 35 knots, one of a kind boat, First to call takes all. \$650 neg. Dennis, Ext. 4028, 375-8519.

## Furnishings & Appliances

CRIB – 3 in 1 conversion crib turns into toddler bed, excellent condition. \$40. Dawn, 775-9366.

CRIB MATTRESS – like new and firm, 150 coil, ask/\$20. Ext. 4532.

ELEC POWER LIFT/RECLINE CHAIR – MaxiComfort model, perfect cond, chocolate brown, pd/\$1,200, local delivery possible, ask/\$500/neg. Pam, Ext. 3097 or pesposit@bnl.gov.

MICROWAVE CABINET – w/wheels, solid wood, 18”d, 52.5”h, 25”w w/towel rack, drawer, cabinet storage, photo avail, \$65/ obo. Jane, Ext. 2198, 591-1183 or lysik@bnl.gov.

PIANO – upright, Winter brand, needs tuning, can help move for fee, reduced/\$300. Lynda or Michael, Ext. 7235, 286-1018 or fitz@bnl.gov.

## Audio, Video & Computers

RECORDING EQUIPMENT – Color video camera: Sony DXC-3000, \$19k new, sell \$1200; two recorders: Sony VO-9600, \$6400 new, sell \$600; Sony VO-6800, \$4200 new, sell \$300. All new in boxes with manuals. Ext. 2913.

## Sports, Hobbies & Pets

15 GALLON TANK – Aqueon 15 High fish tank, 20x10x18 black w/faux background, \$20. Jim, Ext. 7460 or milligan@bnl.gov.

BNL BIKE JERSEYS – new ordering of the great BNL Bike Jersey you’ve seen around site, also bike shorts, email for picture and details, \$50. Jim, Ext. 2432 or higgins@bnl.gov.

METS TICKETS – 2 tickets in left field landing row 5, 6/23 vs Cardinals, \$32/e; 7/27 vs Rockies \$40/ea; 8/22 vs Phillies \$48/ea. John, Ext. 2745 or benante@bnl.gov.

METS TICKETS – 2 seats; Excelsior Level; SEC 338; ROW 3; SEATS 1 & 2 ON THE AISLE. Great view of the game. Call for available dates left. 751-7023.

WETSUIT – youth size 12, excl. cond, like new. pd/\$110, ask/\$55. Lynda, Ext. 7235, 286-1018 or fitz@bnl.gov.

## Tools, House & Garden

COLEMAN GENERATOR 1850 – Powermate, rarely used, great cond. \$250/obo. Anna, Ext. 7132 or asweet@bnl.gov.

CRAFTSMAN GAS BLOWER – works great! \$40. Anna, Ext. 7132 or asweet@bnl.gov.

DEWALT 10 – used 10” compound miter saw, works great, in v/gd shape, \$120. Travis, shrey@bnl.gov.

POOL FILTER – brand new, never used, Hayward Perflex Extended-Cycle D.E. Filter, model EC50AC w/ 1-1/2 HP pump w/new fittings, sells for \$640, ask/\$600/ neg. incl.AquaPerl filter media. Anna, Ext. 7132 or asweet@bnl.gov.

SNAPPER RIDER MOWER – for parts, blade housing damaged, all else okay, \$250. Terry, Ext. 5980, 495-8099.

## Miscellaneous

34’ 5TH WHEEL – Alpha Gold 2000, 3 slides, deluxe model, can be seen locally, great shape, fully loaded, too much to list! \$25,000/neg. Audrey, 520-444-3565.

BABY STUFFS – nursing rocking chair, like new, bundleme,used twice, bassinet, used 2 mos, breastfeeding pump, medela, backpack style, used only 2 mos. Ext. 5351.

CURVED SHOWER ROD – Oil rubbed bronze hotel style curved shower rod fits standard shower openings 60”-72”. Brand new. Paid \$85, \$60 obo. Angela, Ext. 7397 or awefer@bnl.gov.

DIAMOND ENGAGEMENT RING – 1 carat in white gold setting, photo avail., purchased at Commack Jewelry Exchange, receipt-price \$2K, ask/\$750/obo. Ext. 2198, 516-817-0999 or lilady007@optonline.net.

LITTLE BOYS ADDIDAS FLIP FLOPS – Brand new, never worn, size 11. Ext. 3008 or ddaniels@bnl.gov.

POCKETBOOK ‘KATHY VAN ZEELAND’ – beautiful turquoise/blue color; never used, photo avail, \$20/obo. Jane, Ext. 2198 or lysik@bnl.gov.

RIVAL CROCKPOT – never used, still in box, \$40. Ext. 3008 or ddaniels@bnl.gov.

SHIATSU MASSAGING CUSHION – Homedics Therapist, box unopened, great for Fathers Day gift, orig/\$99, ask/\$60. Linda, Ext. 3750, 672-4141.

SKID STEER AND TRAILER – 3-Cyc Isuzu Diesel Calcium filled tires 60” bucket recently serviced, ‘95 hvy hauler trailer w/treks decking, 6x10 dual axle, elec brakes, new batt, wiring, paint & brake. Matt, 965-2270.

SPRINKLERS – poly pipe, repairs, complete sprinkler systems installed, 284-2277. Michael, Ext. 5262.

TODDLER SMART CYCLE W/ 2 GAMES – Great condition, \$80. Ext. 3008 or ddaniels@bnl.gov.

## Yard & Garage Sales

CENTER MORICHES – June 6&7 yd sale, yrs of STUFF, 9-4 Sat& Sun. Come and browse,. George, 878-1178 or murdock@bnl.gov.

SHORIDGE HILLS – neighborhood yard sale, Sat. 7/6, 7/7, start at Harvard or Valentine Road, off N. Country Rd, Shoreham and work your way around. Carol, 744-8632.

## Car Pool

MEETS IN PLAINVIEW – established 3-person car pool, looking for 4th driver/ rider, BNL hours: 8am-4:30, call Elliott, ext 2495 or. Ron, Ext. 6068.

## Community Involvement

TEMPLE BETH EMETH BARN SALE – Sunday June 7. 10 am-3pm. 52 Mount Sinai Ave, Mt. Sinai. Clothing (\$5/bag), electronics, appliances, books, furnishings, games, toys and much more. Carol, 744-8632.

## Happenings

CONCERT – Sound Symphony plays Beethoven’s Ninth, Saturday, June 6, 8 p.m., William Floyd High School with William Floyd and Westhampton Beach high school choirs. Mona, Ext. 5056 or mrowe@bnl.gov.

DINNER/SHOW OUTING – Miracle of Christmas Nov 14,2009 at the Millennium Theatre and dinner at Millers in Strasburg,PA. DEPOSITS of \$60pp due now. Seats still available. Call for details. Kim, Ext. 7465, 399-3098 or khayes@bnl.gov.

TESLA SCIENCE CENTER – Join the fight to preserve Nikola Tesla’s Wardenclyffe Laboratory, 10am Saturday May 30th, 25A Shoreham, between Randall rd + Tesla Street, see teslasciencecenter.org. Ext. 2632.

YVETTE SINGS BOB PLAYS – June 6 & 20th Yvette M. Blum sings popular songs & Bob Boutcher plays the keyboard & guitar @ Don Quijote Restaurant @ Miller Place, Route 25A. Luv to see you there!. Yvette, Ext. 5591.

## Free

GARAGE DOOR OPENER HARDWARE – Sears, model 9-53920, having all the new hardware, e.g., beams, chain, except the motor. Ext. 3294.

METAL TABLE LEGS – for dining/kit, all you need is a top. Ext. 3884.

SEALY QUEEN BOX SPRING – w/frame, like new, u-pic-up. John, 344-8611 or selva@bnl.gov.

## Wanted

ADOPT-A-PLATOON – Monetary donations gratefully accepted towards mailing shipments to military overseas. Thank you. Joanne, Ext. 8481 or jrula@bnl.gov.

ENGINE – Chevy 292 cubic inch, 6 cyl. Thomas, Ext. 3172 or wozniak@bnl.gov.

FIREARMS – fair \$\$ pd old/new. Joe, Ext. 3783, 487-1479.

INFANT CAR SEAT – good condition. Ext. 2346 or lseubert@bnl.gov.

MACBOOK BATTERY – If you have an unused one and want to help, please contact me, thanks. Qin, Ext. 2641 or qinwu@bnl.gov.

TREADMILL – must be in gd/excel cond, w/a minimum 2.5 hp motor. Ken, Ext. 7915 or ks@bnl.gov.

Lost & Found

FOUND: SCANDISK 4GB CRUZER – Titanium Plus 5/28 in Cafe/Berkner prkg lot, identify color and claim by calling. Ext. 2441.

## For Rent

CENTEREACH, NY – sm studio w/kit, bath, priv ent., cable, no smkg/pets. \$750/mo. Maureen, 833-4087.

EAST PATCHOGUE, NY – 1 bdrm, full bath, eik., laundry rm. priv. patio in backyd, sep thermostat for heat & cac, all util. incl, no smkg/pets. \$1,150/mo. 475-0132.

MASTIC, NY – 3 bdrm, 2.5 ba house, eik, d/w, w/d, bsmt, 1-car gar, swimming pool, patio and deck, 7mi to BNL, rm-mates, pets ok, w/refs, +util/sec. \$1,850/ mo neg. Carla, Ext. 5651, 790-7179 or cmvale@gmail.com.

MASTIC, NY – 1 bdrm, full kit & bath, den, own ent/ drwy, for 1 person, all incl, 1 mo sec, no smkg/pets. \$850/mo. joe mondi, Ext. 3499, 219-7241.

MEDFORD, NY – 2 bdrm, 1 ba., living, kitchen, 10mi to BNL, incl wireless/cable, close to store, McDonald, 1 mo sec, 32 Madison Ave. \$1,400/mo. 730-8866.

MIDDLE ISLAND, NY – 1br/1ba apt, 10 min. from BNL, big bdrm, big l/r, incl. heat, a/c, laundry, +elect, nice/quiet place, avail, 7/1. \$1,100/mo. 828-338-2328.

MIDDLE ISLAND, NY – Nice 1 bdrm, l/r, full kit. & bath, bsmt apt, incl. all, 10 min. to BNL. Priv. ent/drwy, clean, quiet, strictly no smkg/pet, int/phone incl. \$900/mo neg. Istvan, Ext. 7020, 672-2451 or dioszegi@bnl.gov.

MIDDLE ISLAND, NY – 3 bdrm, 1ba,furn ranch, bsmt, w/d, new updated granite kit, f/p, lg fen yd w/deck, no smkg/pets, 15min to BNL, util/sec req’d w/refs, quiet area, call for appt. \$1,800/mo. 748-0665.

MILLER PLACE, NY – 1 bdrm apt, 1yr old, woon flrs, fantastic kit space w/dw, 20 min from lab, HunterAve/25A, all util. incl int/cable. \$1,100/mo. Gerrard, 603-2344.

ROCKY POINT, NY – 1 bdrm house, eik, lg l/r, .5 bsmt, oil heat, no smkg/pets, 15 mins. to BNL. \$1,100/mo. 744-8919.

ROCKY POINT, NY – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, Indry rm on prem, prkg spot, no smkg/pets, cac, incl. gas/water. \$1,150/ mo. 806-5965.

SHIRLEY, NY – 1rm studio fit for one,furn,full bath/sep ent/cable/elect/ a/c/int/all incl/1mo. sec/5mi to stores/ beach/LIRR/all major highway/7min to lab/no smkg/pets. \$650/mo. 804-8609.

SHIRLEY, NY – 2 rms, shared kit & livng rm., \$750/incl all; reg. bdrm shared bath incl. all, 1 mo sec. \$600/mo. Ted, 395-3109 or ccti@optonline.net.

SHOREHAM, NY – Share a house w/professional, partial furn bdrms, 7 mi from BNL, int/TV all incl., no smkg/pets, single preferred. 516-380-2650/cell. \$650/mo. 744-3543.

SUFFOLK, NY – ridge nwly rnvtd 3bdrms, l/r kit hrwd flrs 2bth w/d, + 1 mo sec, ref chckd. \$1,800/mo. maria, 516-769-5190 or mariasingleton1@gmail.com.

SUFFOLK, NY – ridge, 1 rm studio 1/2bth, priv ent prkg, ref chckd, no smkg/pet, 8min frm lab, incl utils +1 mo. sec. \$500/ mo. maria, 516-769-5190 or mariasingleton1@gmail.com.

SUFFOLK, NY – ridge czy,1 bdrm ctgge l/r kit,full bth priv ent prkng ref chckd, 1 mo sec +utils, no smkg/pets, 516-769-5190. \$800/mo. maria, 566-1512 or mariasingleton1@gmail.com.

YAPHANK, NY – 1 bdrm, living area, eik, full bath, no smkg/pets, util incl, except phone/cable, priv ent, 10 min from lab, 1 mo sec req. \$1,200/mo. Matt, 816-6424.

POCONOS, PA – Time Share - 7/17-18/09, Tanglewood Resort, 2 bdrm, full kit, sleeps 6, many amenities, golf & lake, www.tanglwoodresorts.com. \$650/wk. Linda, Ext. 3750, 672-4141.

## For Sale

POIPU, HI – One of two properties, Diamond Resort @ Poipu Point, EOY-Even http://tinyurl.com/c7kztx . \$9,000 neg. Ext. 5322.

POIPU, HI – One of two properties for sale. Diamond Resort @ Poipu Point, EOY-Odd http://tinyurl.com/datkdx . \$9,000 neg. Ext. 5322.

MASTIC, NY – 3 bedroom 1 bath ranch. Updated kitchen all new appl. Remodded bathroom, updated electric service, too many extras to list. 1 block from Forge River dock/launching ramp. MUST SEE. Call for app’t. \$175,000. Ed, 766-5236 or epdiaz@bnl.gov.

MIDDLE ISLAND, NY – 4 bdrm, 2.5 baths victorian house, ‘03 construction, excel cond, upgrades, pix/more info at www.tinyurl.com/h11953. \$389,000. Ext. 3621.

NEW YORK, NY – Manhattan Club, http://tinyurl.com/cmp2z6 . \$10,000 neg. Ext. 5322.

SO. BAYPORT, NY – lakefront, 4 bdrm, 2.5 bath, den w/fp, lg. rms, igp, 2 car gar, 2/3 acre, cul de sac. \$575,000. 472-0393.

SOUTH BAYPORT, NY – Lakefront,4Br,2.5 Ba, Den w/fplc, lrg rooms, iGP, 2-car gar,2/3acre, cul de sac. \$575,000. 472-0394.