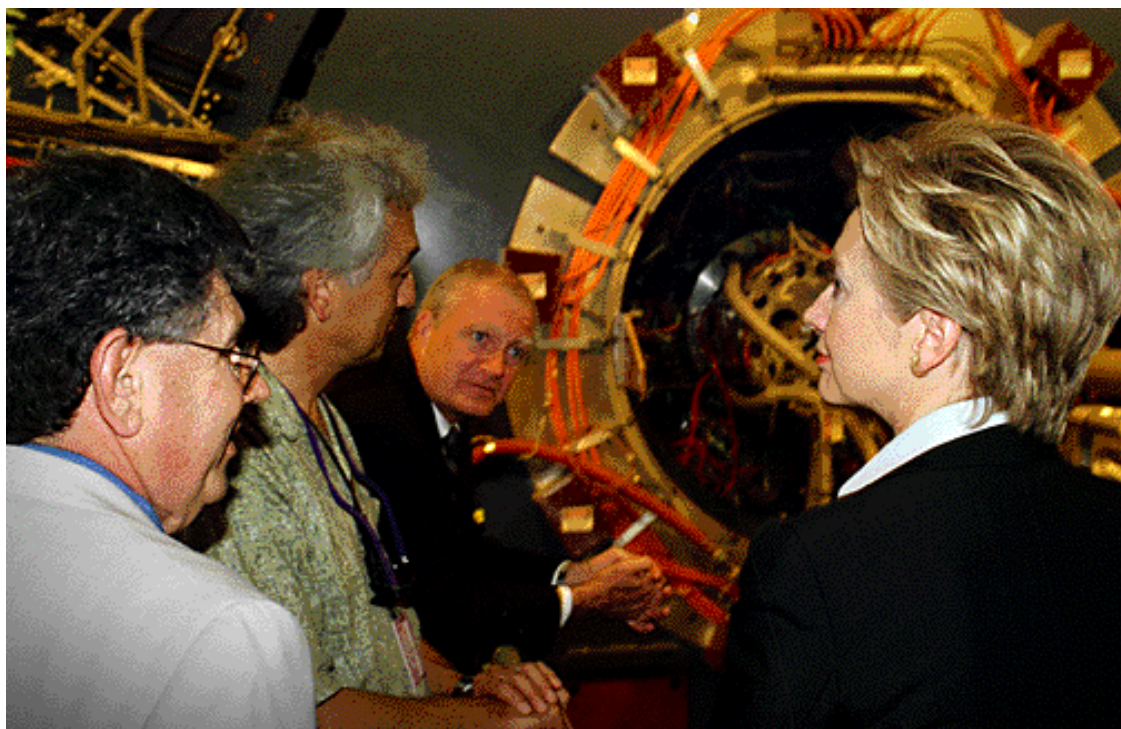


U.S. Senator Hillary Rodham Clinton Visits BNL



Roger Stoulenburgh CNE-667-01

At the STAR detector at BNL's Relativistic Heavy Ion Collider, where scientists aim to recreate conditions of the very early universe, are: (from left) Collider-Accelerator Department Chair Derek Lowenstein; STAR spokesperson John Harris, Yale University; BNL Director John Marburger; and U.S. Senator Hillary Rodham Clinton.



Roger Stoulenburgh CNE-663-01

At a talk on BNL's substance-abuse research given by Associate Laboratory Director for Life Sciences Nora Volkow are: (from left) Biology Department Chair Carl Anderson, Medical Department Chair Linda Chang, U.S. DOE Brookhaven Area Office's Robert Gordon, Staffer Julie Dade Howard of Senator Rodham Clinton's Long Island Office, U.S. Senator Hillary Rodham Clinton, and BNL Director John Marburger.



Roger Stoulenburgh CNE-471-01

Roger Stoulenburgh 8-665-01

On the experimental floor of BNL's National Synchrotron Light Source's (NSLS) ultraviolet ring, Senator Rodham Clinton meets: (from left) NSLS staff Raymond Raynis, Qing-Li Dong, and Collos Lamb.

NSLS scientist Lisa Miller (left) talks to Senator Rodham Clinton and BNL Director John Marburger about applications of x-ray and infrared light in studying such diseases as osteoarthritis and osteoporosis.

On Monday, August 20, U.S. Senator Hillary Rodham Clinton (New York State) visited the Lab to learn more about BNL science. Accompanied by her press secretary Peter Kauffmann, Chief Personal Aide Huma Abedin, and Long Island Office staffer Julie Dade Howard, Senator Rodham Clinton received a brief overview of the Lab and its history from BNL Director John Marburger, visited the Relativistic Heavy Ion Collider and the STAR detector, learned about experiments at the National Synchrotron Light Source, was briefed on medical imaging, and met with associate laboratory directors and department chairs.

BSA Distinguished Lecture The Aging Process

Biomedical gerontologist Caleb Finch, a professor at the University of Southern California (USC), will talk on "Puzzles and Paradoxes of the Aging Process," the next BSA Distinguished Lecture, to be held on Wednesday, September 12, at 4 p.m. in Berkner Hall.

Finch will discuss the basis for wide variations in life span. While each species has a characteristic longevity — humans outlive mice, and mice outlive nematode worms, for example — the life span of individuals of any species varies considerably.

According to Finch, genetics plays a relatively modest role in control of life span and aging. The case is remarkably clear for nematode worms. (continued on page 2)



Save the Date: 9/11 Celebration Set For Lab Director

The Lab community is invited to a celebration sponsored by BSA for Laboratory Director John Marburger on Tuesday, September 11, 4-7 p.m. at Berkner Hall. Refreshments and entertainment will be provided.

Marburger, who was selected by President George W. Bush for nomination as Assistant to the President for Science & Technology, will continue to serve as Lab Director until the Senate confirmation process to be scheduled this fall is complete.

BNL's AGS Produces First Significant Number Of 'Doubly Strange Nuclei'

Strange physics has taken a great leap forward at BNL, where physicists have for the first time produced a significant number of "doubly strange nuclei" — nuclei containing two strange quarks.

Strange quarks are one of the six types or flavors of quark believed to make up the particles in the nucleus of an atom. Studies of doubly strange nuclei will help scientists explore the forces among these particles, particularly within what is called baryonic strange matter, in which the quarks are confined to baryons, which contain three quarks. In addition, studying doubly strange nuclei may contribute to a better understanding of neutron stars, the superdense remains of burnt-out stars, thought to contain large quantities of strange quarks.

"This is the first experiment to produce large numbers of these doubly strange nuclei," said Adam Rusek, Collider-Accelerator (C-A) Department, who, with Robert Chrien, Physics Department, and Tomokazu Fukuda of Osaka, Japan, is a co-spokesperson for the collaboration. Rusek explained that the whole experiment was conceived and planned by Fukuda, who first had the apparatus designed and built in Japan, then brought the experiment to BNL to use the world's cleanest and most intense kaon beam — produced at the Alternating Gradient Synchrotron (AGS).

Collaborating on the experiment are 50 physicists, representing 15 institutions in six countries. They describe their findings in an upcoming issue of *Physical Review Letters*. Two collaborators, Joe Nakano and Toru Tamagawa, are from the University of Tokyo. Other BNL collaborators on this "strange" research are: Philip Pile, C-A, and Richard Sutter, Physics.

Four previous experiments conducted over the past 40 years in the U.S., Europe, and Japan have produced one such nucleus each, with varying degrees of certainty.

In the current publication, which is based on data taken in 1998, the collaboration describes 30 to 40 events out of several hundred produced. "That's enough events to begin studies using statistical techniques," Rusek said.

With the ability to produce appreciable numbers of doubly strange nuclei, "BNL is now the best place in the world to study this strange matter," said Morgan May, who leads BNL's strangeness nuclear physics program.

(continued on page 2)

At the AGS with the cylindrical detector system for the doubly strange nuclei experiment are: (front, from left) Adam Rusek and Robert Chrien, (back, from left) Sidney Kahana, Philip Pile, and Morgan May.



Roger Stoulenburgh CNE-376-01

News Flash! Fowler Wins Seaborg

Joanna Fowler, Chemistry Department, has won the American Chemical Society's 2002 Glenn T. Seaborg Award for nuclear chemistry. Details will follow in a future Bulletin.

Calendar of Laboratory Events

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

— EACH WEEK —

Mondays: Arts & Crafts

2-3 p.m. Rec. Bldg. \$5 per month covers materials. "Make Your Own Teddy Bear I" begins on September 10 and runs through September 24. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.
— Hospitality event

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Newcomers meet friends. Mimi Luccio, 821-1435.
— Hospitality event

*Wednesdays: BNL Ballroom, Latin & Swing Dance Club: beginner to advanced lessons

Register now for series 1 of the 10th anniversary 2001-02 season, which starts on Wednesday, September 12. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053; Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553; Sue Perino, perino@bnl.gov or Ext. 2483.

Wednesdays: Cooking Exchange

2-3 p.m. Rec. Bldg. \$1 per evening covers the cost of ingredients. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room, Mary Wood, Ext. 5923.

Wednesdays: Yoga Practice Sessions

12-1 p.m., Recreation Bldg. Free. Ila Campbell, Ext. 2206.

Mon. & Thurs.: Cardio Kickboxing

\$5 per class. Mon. & Thurs. from noon-1 p.m. in the Gym. Thursday evenings from 5:15 to 6:15 p.m. in the Brookhaven Ctr. Registration is required. Contact Mary Wood, Ext. 5923, or wood2@bnl.gov.

— NEXT WEEK —

Monday, Tuesday, 9/3, 4

The Lab will be closed in honor of Labor Day.

Thursday, 9/6

Corporate Express Demo

11:30 a.m. - 2 p.m., Berkner Hall. The Lab's Eway.com office products vendor will hold a products show. Demos from manufacturers includes 3M and Sanford.

— WEEK OF 9/10 —

Tuesday, 9/11

Celebration for Lab Director

4-7 p.m., Berkner Hall. All the Lab community is invited. See page 1.

Wednesday, 9/12

Divorced & Separated Support Group

noon-1 p.m., Berkner Hall, Room D. Mary Campbell, Ext. 4776, maryc@bnl.gov.



Photographed outside Berkner Hall are some of the many BNL volunteers who have given time to represent the Lab through programs such as the Ambassadors, the Envoys, Longwood Mentoring, Speakers' Bureau, and the Tour Program, most of which are grouped under the umbrella of the Community Involvement Office.

Doubly Strange Nuclei

Strange creations

To create these doubly strange nuclei, the researchers used the AGS beam of negatively charged kaons to strike a beryllium target and interact with its protons, causing some of the energy to convert into new strange quarks. These quarks then regroup to form a variety of particles, some of which continue to interact.

Occasionally, a structure containing a proton, a neutron, and two lambda particles — each composed of one up, one down, and one strange quark — is formed. This double-lambda structure, with its two strange quarks, is the observed doubly strange nucleus.

Look for pions

Detecting the formation of this strange species is no easy task. It is like finding a subatomic needle in a particle-soup haystack. For one thing, many other species are produced in the collisions.

Plus, the scientists cannot see the double lambda structure directly. Instead, they look for pions, a subatomic product that the lambdas emit as they decay in less than one billionth of a second.

Furthermore, to infer that the pions came from a nucleus containing two lambdas, there must be two pion decay signals at very specific energies.

From the analysis, the researchers concluded that several hundreds of lambda-lambda particles were produced.

"The most important part is eliminating all the other possible explanations for these events," said Sidney Kahana, a BNL Physics theoretical physicist. "We're left with this double lambda species as the only explanation."

Japanese contribution

"I want to stress the enormous contribution of the two

(cont'd.)

Japanese scientists, Joe Nakano and Toru Tamagawa, from the University of Tokyo, who completed their doctoral dissertations on this experiment," said Chrien.

In addition to his work on the physics and analysis of the experiment, Nakano was responsible for the design, construction, and operation of the cylindrical detector system (CDS), which, Chrien explained, was the crucial measurement element of the experiment.

Toru developed the analysis techniques and simulation codes required to understand the CDS data. He produced results for several calibrations and tests verifying the CDS response, as well as the analysis of the production data.

Two lambda laboratory

Now that the scientists believe they have a reliable method for producing the double lambda species, they would like to produce more so that they can get better measurements of the binding energy, or force of interaction, between the two lambda particles.

"We can use this nucleus as a laboratory in which the two lambdas can be held together long enough to study," Kahana said.

Based on the current data, the interaction between lambdas appears to be rather weak — too weak for the two particles to merge to produce a postulated, six-quark structure called an H particle. But further experiments are necessary, the scientists say.

The interaction between lambdas may also offer insight into the properties of neutron stars, which are thought to contain vast numbers of strange particles, including lambdas. Neutron stars are the only place in the universe scientists believe such baryonic strange matter exists in a stable form.

— Karen McNulty Walsh

Inventory Warehouse Shutdown, 9/13

All inventory stockrooms will be closed on Thursday, September 13, while a physical inventory is completed. No pick tickets will be processed, and no material will be received during this inventory.

Therefore, BNLers are encouraged to plan their stock needs beforehand. Enter all pick tickets by noon on Wednesday, September 12, to allow time to prepare for the inventory count. Do not use the on-line pick ticket system until Friday, September 14, when the warehouse will be open as usual. Process emergency requirements through: Ron Ondrovic, Ext. 4553; or George Dioguardo, Ext. 2597; or pager number 6300.

BSA Lecture on the Aging Process

(cont'd.)

tode worms: despite their identical genes and exposure to an identical environment, their individual life spans differ up to threefold.

Further, Finch will explain similar dynamics for identical human twins, who can

differ so much not only in terms of aging and life span, but also in the age of onset of menopause and Alzheimer's disease. These wide individual variations among twins have important implications for many current public concerns. Except in those people who carry rare mutations, people's health or life span are not strongly predicted by their genetics. Nor would cloning the family pet result in the genetic replica's having the same favorite personality.

After earning his undergraduate degree in biophysics from Yale University in 1961, Finch continued his work in cell biology, receiving his Ph.D. from



Rockefeller University in 1969.

Finch has received several major awards in biomedical gerontology, including the 1985 Robert Kleemeier Award of the Gerontological Society of America, the 1995 Sandoz Premier

Prize of the International Geriatric Association, and the 1999 American Aging Association's Research Award.

Finch became a University Professor in 1989, an honor held by only seven other professors at USC. A member of ten editorial boards, he has written over 350 articles.

In 1990, he published an internationally recognized and acclaimed reference book on aging, titled *Longevity, Senescence and the Genome* (University of Chicago Press). His latest book, *Chance, Development and Aging* (Oxford Press, 1999), was coauthored with Thomas Kirkwood.

— Diane Greenberg

Wanted: Helpers in Planning 'Take Our Sons to Work' Day

Helpers are needed to organize the next "Take Our Sons to Work Day," which will be held on Monday, October 8. Parents interested in helping should contact Susan Foster, Employee Relations Manager, foster@bnl.gov, Ext. 2888.

Brookhaven Town Fire Marshals, BNL Fire/Rescue Group Review Emergency Preparedness



Members of the Town of Brookhaven's Hazardous Materials Response Team visited with BNL's Fire/Rescue Group last week to discuss emergency preparedness and community outreach. The session included a review of lessons learned from recent events as well an exchange of knowledge of each other's equipment and tactics. The Brookhaven Town Fire Marshals brought along their new hazardous materials response vehicle (above, right) for a demonstration, and BNL firefighters displayed their new Rescue 4 (above, left). Pictured with others (from left) are BNL Fire/Rescue members: Lieutenant Antonino Realmuto, Firefighter James Forkin, Captain Charles LaSalla, and Firefighters Kevin Cosgrove, Joseph Perry, Timothy Devine, and William Strelecki.

COMPUTER TRAINING

The following PC training classes have been scheduled for September:

| date | class | level |
|---------|------------|--------------|
| 9/17 | Excel | intermediate |
| 9/19 | PowerPoint | intermediate |
| 9/24&25 | Word | advanced |

Future Plans

The Information Technology Division (ITD) is planning the training program for the next fiscal year. Send suggestions for future courses and comments to Pam Mansfield, pam@bnl.gov. MCSE Course

During the next fiscal year ITD will again offer the Microsoft certified systems engineer program of four core classes and two electives, to be held in the evening, 6-10 p.m., for approximately six months; two weeks each month. Contact Mansfield, pam@bnl.gov.

Registration

To register for the classes listed, or to register interest in a future class, send a training request form, and an ILR or Web requisition for the appropriate amount, to Pam Mansfield, Bldg. 515. For more information, registration forms, and class schedules, visit the ITD training page at: <http://training.bnl.gov/>.

College Funding Talk: Plan Now for Later

To prepare financially to send your child to college, investigate your options at a college planning seminar, "College Funding Options," to be given by American Express Financial Advisors, Inc., and sponsored by the Human Resources Division. The talk will be held on Thursday, September 20, from noon to 1 p.m., at Berkner Hall.

If you wish to attend, contact Joyce Wund by Friday, September 7, at jwund@bnl.gov, Ext. 7516, or Bldg. 185.

Tai Chi Classes, 10/1

Tai Chi is a gentle, flowing martial art promoting physical and mental health, longevity, and stamina. BNL's Tai Chi Club starts a new ten-week session of classes on Monday, October 1.

A \$40-per-person fee is due at the first class. Classes will be held on Mondays, Wednesdays, and Thursdays, 12:15-12:45 p.m., in the courtyard by the Recreation Building in the apartment area.

For more information, contact: Dejun Xue, Ext. 6358, xue@bnl.gov; Ivan So, Ext. 7026, so@bnl.gov; or Jerry Tanguay, Ext. 2198, tanguay@bnl.gov.

Softball Party

All softball players, their families, and friends are invited to the Annual BERA Softball League party, at the Brookhaven Center, on Friday, September 28, starting at 5:30 p.m. Tickets at \$12 per person include a hot and cold buffet dinner; two drink coupons for beer, wine, or soda; cake and coffee; music by DJ John; raffles for prizes; and a cash bar.

Everyone must have a ticket. To purchase tickets, bring cash or mail checks payable to BERA Softball to: Andrea Epple, Bldg. 750; Sue Cataldo, Bldg. 801; or Laurie Pearl, Bldg. 459, by Friday, September 14. For more information, e-mail softball@bnl.gov.

Public Meeting, 9/12: BGRR Cleanup

An engineering evaluation/cost analysis exploring cleanup options for the BGRR fuel canal is now available for public review and comment at <http://www.bnl.gov/bgrr/Docs/CanalEE-CA.html>. The public comment period runs through September 20, 2001. BNL will hold a public meeting on the options on Wednesday, September 12, 2001, at Berkner Hall, from 7 to 9 p.m. No reservations are required, but a courtesy call to Kathy Gurski, Ext. 7459, would be appreciated.

Needed: Ride To/From Middle Island

Temporarily, a BNL employee who has a disability needs a ride, two days a week, from Middle Island to the Lab at noon. If you can help, contact Lorraine Merdon, Diversity Manager, Ext. 3318.

Swimming Pool, Gym Fall Schedule

The fall season at the swimming pool will begin on Wednesday, September 5. The pool will then be open on Sundays as well as Saturdays. The pool is closed on all Lab holidays. Hours and fees are as follows:

Daily Admission

Monday through Friday

11 a.m.-1:30 p.m. employees, visitors, facility users
1:30 p.m.-2 p.m. speed swimming & training
4:30 p.m.-8:30 p.m. employees, visitors, facility users, their families & guests*

Note: On Tuesdays, 5:15-6:15 p.m., the pool is reserved for a water aerobics group.

Saturday & Sunday

1 p.m.-5 p.m. employees, visitors, facility users, their families & guests*

Fee Schedule

Daily Admissions

employees, visitors, facility users, family members \$2
*guests \$3

Season Tickets

individual \$50
family \$60

Pro-Rated Monthly Tickets

individual \$20
family \$25

*Guest ruling

(Applies to swimming pool and other recreation facilities):

One guest per employee, visitor, or facility user is permitted without prior arrangement. The guest must be accompanied by the sponsor. Additional guests, no more than five at one time per employee, visitor, or facility user, must have arrangements made beforehand at the Recreation Office, Human Resources Division, Bldg. 185. An admission card will be issued stating the life/guest number of the sponsor, the number of guests permitted, the date of the visit, and the facility to be visited. The sponsor will be requested to show the admission card at the main gate and at the swimming-pool desk.

Gymnasium

The Gymnasium & Exercise Facility re-opens 1-4 p.m. on Saturdays, from Saturday, September 8. It remains closed on Sundays.

Lockers

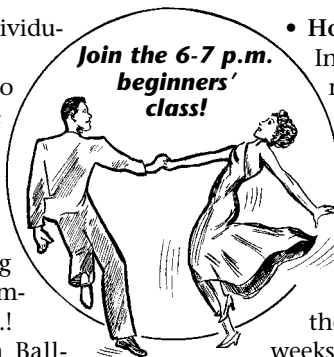
For information on pool or gym lockers contact the BERA Sales Office, dehler@bnl.gov, or Ext. 3347. For more information, contact Recreation Supervisor M. Kay Dellimore, dellimore@bnl.gov, Ext. 2873.

BNL Dance Club Lessons Start 9/12 Two Left Feet? First Lesson Free!

• **Who?** You! Individuals or couples!
• **What?** Learn to dance with the BNL Dance Club! Lessons taught by former U.S. Ballroom champion!
• **When?** Starting Wednesday, September 12, at 6-7 p.m.!

• **Where?** North Ballroom, Brookhaven Center!

• **Why?** Because it is fun! Good exercise! Meet new people! Impress your family, friends — and yourself! Good activity for couples!



• **How?** Take beginner Introduction to Ballroom 104: West Coast swing, fox trot, peabody, and quickstep (two weeks/dance)!

• **How much?** First lesson risk free! If you like it, then \$30 for the eight weeks!

• **More information?** Contact: Marsha Belford, belford@bnl.gov or Ext. 5053; Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553; or Sue Perino, perino@bnl.gov or Ext. 2483.

8th Walk for Beauty, 9/30 Fight Breast Cancer

On Sunday, September 30, the entire Lab community — employees, facility users, families, guests, retirees — is invited to join the BNL team that will participate in the 8th Annual Walk for Beauty. The proceeds from this walk will benefit breast-cancer research at the University Hospital & Medical Center at Stony Brook.

Contact Peggy Sutherland, Ext. 3131, or Donna Grabowski, Ext. 2720, for more information.

Free English Classes

BNL offers free English for speakers of other languages classes for employees, guests, visitors and their spouses. These on-going classes are held in the Recreation Building, Bldg. 317, in the apartment area. All are welcome to join the class. Those who are new to the program will receive an assessment of their English language skills.

The following classes will be resuming on September 12, and will continue to meet through December following the local school district holiday calendar. Contact M. Pandorf, Ext. 5251 or S. Munson, Ext. 7631 for information.

• Advanced level classes - Thursdays, 6:30-8:30 p.m.

• Intermediate to advanced level classes - Wednesdays, 9:30-11:30 a.m.

• Beginner to intermediate level classes - Thursdays, 9:30-11:30 a.m.

The following classes are also available through the BNL Hospitality Committee. Contact Joe O'Connor, Ext. 2212.

• Intermediate level class - Tuesdays, 9:30-11:30 a.m.

• Tutoring sessions for learners at beginner and advanced level are scheduled as needed

• Tutoring at the advanced level - TOEFL exam preparation classes - Fridays, 9:30-11:30 a.m.

Calling All Volleyball Players From Beginners to Experts

This fall, have fun, work out, and make new friends by joining a volleyball team. The BERA Volleyball League is hoping to get many new players this season, and Travis Shrey is running a volleyball clinic on Monday evenings right up to when the season starts in the third week in October. People of all levels of skill are welcome, from beginners to experts, so here's your chance to start learning a new sport or brush up on your old high-school expertise.

To ask any questions or to join, contact Shrey, shrey@bnl.gov, Ext. 7451; Gene Van Buren, gene@bnl.gov; or Frank Crescenzo, crescenzo@bnl.gov.

Captains' Meeting

A captain's meeting will be held on Wednesday, September 19, at noon in Berkner Hall, Room C, when teams will be made up.

Holiday Notes

The Lab will be closed next Monday and Tuesday, September 3 and 4, in observance of Labor Day. The Bulletin will not be published next week; the next issue will appear on Friday, September 14. Note the following schedules:

Food Service: The cafeteria will be open for breakfast and lunch, 7:30 a.m.-2 p.m., Saturday through Tuesday, 9/1-4. The Brookhaven Center will be closed Saturday through Monday, 9/1-3, re-opening on Tuesday, 9/4, 5-9 p.m.

Credit Union, U.S. Post Office: Closed Saturday through Monday, 9/1-3, re-opening Tuesday, 9/4.

Omega Leisure Travel Office, Research Library, Swimming Pool: Closed Saturday through Tuesday, 9/1-4.

Information Meeting: SUNY On-Site Courses

On Wednesday, September 12, 5-6 p.m., an information and registration meeting will be held in the Human Resources (HR) Division training room, Bldg. 459, on classes available through Empire State College (ESC), a comprehensive college of arts and sciences within the State University of New York (SUNY).

Sponsored by HR, ESC will offer two classes on site this fall:

• **Diversity in the Workplace:** four credits for social science or business program requirements. The first session will be on a Wednesday, and the remainder will be on Tuesdays in October and November.

• **Mathematics and Literature:** four-credit course comprising two math credits and two English literature liberal arts credits. Independent learning activities will be combined with six group sessions on Thursdays in October and November.

To attend the meeting, e-mail Marilyn Pandorf, pandorf@bnl.gov, or Starr Munson, munson@bnl.gov.

Calendar

(continued)

Week of 9/10 (cont'd)

Wednesday, 9/12

Rifle & Pistol Club Meeting

noon, 535A conference room. For more information, contact Jim Duran, Ext. 5993, Sue Foster, Ext. 5529, the club's hotline, Ext. 2658, or see www.bnl.gov/bera/activities/rpc/.

*BSA Distinguished Lecture

At 4 p.m. in Berkner Hall, Caleb Finch of the University of Southern California will present "Puzzles and Paradoxes of the Aging Process. See pages 1, 2.

*BNL Ballroom, Latin & Swing Dance Club: season starts

Evenings, North Ballroom, Brookhaven Center. Marsha Belford, Ext. 5053, belford@bnl.gov.

Thursday, 9/13

Blood Drive

9:30 a.m. - 5 p.m., Brookhaven Center. BNL volunteers, ages 17 - 75, in good health, weighing over 110 lbs. can donate blood. Donors should have photo identification and know their social security number. Sue Foster, Ext. 2888, or donateblood@bnl.gov.

—WEEK OF 9/16—

Tuesday, 9/18

BNL Toastmasters' Meeting

5:30 p.m., Biology Bldg. 463. Guests, visitors welcome. Club meets first & third Tuesday at 5:30 p.m., and the fourth Tuesday at 12:05 p.m. Margaret Conover, mcon@op.tonline.net; www.bnl.gov/bera/activities/toastmstrs/default.htm.

Wednesday, 9/19

Brookhaven Lecture

4 p.m., Berkner Hall. Subramanyam Swaminathan, Biology Department, will talk on neurotoxins.

Thursday, 9/20

Brookhaven Advocacy Council Meeting

Open Session, 12:30-1 p.m., Berkner Hall, Room C. Nancy Warren, Ext. 7548.

*College Funding Talk

noon, Berkner Hall. To prepare your finances to fund your child's education, attend "College Funding Options," talk by American Express Financial Advisors., sponsored by the Human Resources Division. Joyce Wund, Ext. 7516

—WEEK OF 9/24—

Friday, 9/28

Softball Party

5:30 p.m., Brookhaven Center, all softball players, friends, families. \$12/person, incl buffet, etc. Andrea Epple, Bldg. 750.

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. Please enter the 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.

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 employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present 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; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at www.bnl.gov/JOBS/jobs.html.

LABORATORY RECRUITMENT – Opportunities for Laboratory employees

DD8771. PROCUREMENT & PROPERTY CLERK – Under general supervision. Performs clerical duties requiring thorough familiarization with the operation of a phase of a subdivision of the central stores facilities. As directed, assists and aids Senior Clerk in performance of specific functions. Typical duties include solving clerical problems, tracing errors, and collecting data. Property and Procurement Management Division.

DD9134. SR. ADMINISTRATIVE SECRETARY (A-3) – Requires an AAS in secretarial science or equivalent, thorough knowledge of Laboratory practices and procedures, excellent oral and written communication skills, and proficiency with MS Word, PowerPoint, Excel, Access, IPAP, and PeopleSoft. In addition, the ability to work independently, exercise good judgement and be a team player is required. Will provide administrative and secretarial support to Division Head and all members of the Division. Will assist in the coordination and direction of all office practices, policies and procedures; will arrange and process travel; maintain files; arrange meetings, appointments, visitor paperwork; and handle confidential matters. Materials and Chemical Sciences Division.

DD8814. SR. ADMINISTRATIVE SECRETARY (A-3) - Requires an AAS in secretarial science or equivalent, thorough knowledge of Laboratory practices and procedures, excellent oral and written communication skills, and proficiency with Macintosh and/or PCs. In additions, must be proficient with MS Word, PowerPoint, Excel, Access, IPAP and PeopleSoft and possess the ability to work independently, and exercise good judgement. Will provide administrative and secretarial support primarily to Division Head and also to other members of the Division. Will manage all phases of office activities; produce technical reports, correspondence, viewgraphs and spreadsheets; coordinate meetings and conferences and maintain confidential records. Environmental Sciences Department.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK2430. MANAGER, LABOR RELATIONS (M-1) – Requires a bachelors' degree or equivalent experience, familiarity with the arbitration process and employment law, excellent oral and written communication skills and the ability to communicate effectively in difficult situations. In addition, must be able to assist the Legal Office in preparing Laboratory legal defense, have a history of increasing responsibility in Human Resources, have a thorough understanding of the Laboratory's Employee Assistance Program and knowledge of the promotion and progression policy. Certification as a Labor Relations professional highly desirable. Additional experience should include: grievance investigation and procedures, contract interpretation and progressive discipline practices. Will design and administer the Laboratory's overall labor relations policy, be responsible for the administration of collective bargaining agreements, and provide direction to Laboratory management with respect to the application of these agreements. In addition, will administer the Laboratory's disciplinary and substance abuse programs. Human Resources Division.

MK2214. POSTDOCTORAL RESEARCH ASSOCIATES (2 positions) – Requires a Ph.D. in chemistry, physics or materials science, capabilities as an experimentalist with a UHV and STM track record, analytical and synthetic skills and computer literacy. Research program will involve experimental studies of nanocatalyst model systems using scanning tunneling microscopy, photoelectron spectroscopy and kinetic measurements. Under the direction of J. Hrbek, Chemistry Department.

NS2307. SR. APPLICATIONS ENGINEER (I-8)/SCIENTIST (S-3) – Requires an advanced degree in physics or computer science, at least four years experience in HENP software development including experience

in core infrastructure development, and several years experience in C++ and object oriented programming. HENP database and/or data management infrastructure development experience strongly preferred. Position is in the Physics Applications Software group for the ATLAS core off-line software and grid software development. Will join a team participating in many areas of ATLAS software, including databases and data management; distributed computing; event model; physics analysis infrastructure; software support and code management and application software aligned with BNL's ATLAS detector and physics program. Will play a major role in developing software and production distributed processing systems as part of the Particle Physics Data Grid Project and play a major role in the development of the core software, particularly its distributed aspects, for the LHC ATLAS experiment for which BNL is the lead U.S. computing center. Physics Department.

DD2141. HEAVY EQUIPMENT MECHANIC-OPERATOR – Under general supervision operates all material handling, earth moving, grounds and road maintenance and similar equipment. As required will work in shop doing repairs and maintenance under direct supervision of shop mechanic. Plant Engineering Division

TB2094. MEDICAL ASSOCIATE II (P-5, 50% position) – Requires a BS or BA in biology with a minimum of 10 years related experience in handling animals (primarily rodents), basic knowledge of, and demonstrated skills in, inoculation of subcutaneous tumors in mice and/or rats and anesthesia, euthanasia, retro-orbital venipuncture, microsurgery, and necropsy in rodents. Areas of expertise should include the surgical inoculation of tumor cells into the cranium of rats, microsurgical techniques for arterial or venous cannulation for long-term infusion of compounds in rats. In addition, requires experience in carrying out tissue culture of eukaryotic cells. Medical Department.

TB9090. SR. TECHNICIAN (TW-3) – Requires an AAS in electronic technology or equivalent and relevant work experience. Under general supervision of senior group member, will evaluate, fabricate, test and troubleshoot modification and maintenance operations on electronic circuits. Requires basic working knowledge of digital electronics, basic test equipment, printed circuit layout from schematics, elementary electronic design, and basic mechanical fabrication techniques. Familiarity with AutoCAD LT or other CAD software would be a plus. Must be able to work mandatory overtime and be available during non-scheduled hours to respond to departmental operations. Collider-Accelerator Department.

DD2452. SR. OFFICE SERVICES ASSISTANT (CW-3) – Requires an AAS or equivalent, and 2-5 years experience in a field related to health insurance benefits administration, benefits claims, medical programs or COBRA requirements. Previous customer service experience is necessary. Duties include enrolling employees for benefits, resolving benefits issues and providing clerical/administrative support to the Benefits Office staff. Human Resources Division.

Happenings

BLUES HOUSE - Sunday, September 2, 9:30 p.m., George Bostick, SSD Division, will perform with the Blues House blues and rock musicians at Cantusa Restaurant/Bar, 190 Montauk Highway, Speonk.

HADICUS ROAD - Tonight, Friday 8/31/01, 6-10 pm, Greg Condemni of the RCD Division will give a free classic rock show on West Main Street in Patchogue.

Cycletrons' Family Picnic, 9/8



Joseph Rubino CNV-19401

The Cycletrons, BNL's motorcycle club, are pictured above at their latest, greatest lunchtime reunion, which was held on Wednesday, July 18. This date was also national Ride to Work day — a day where motorcyclists are encouraged to ride their bikes to work to promote awareness of this increasingly popular activity.

The Cycletrons are planning their fourth annual family picnic and they invite all club members, their families, friends, and others who have an interest in motorcycles to join

them on Saturday, September 8, at noon at the gazebo by the softball fields.

Tickets are \$5 per adult, and children 12 and under are free. Hamburgers, hot dogs, salads, and soda will be available, as well as various bike games, horseshoes, volleyball, softball, relay races, a three-legged race, and more.

To purchase tickets, contact: Frank Dusek, Ext. 2022; Charles Gardner, Ext. 5214; Frank Cetero, Ext. 2012; or Nick Franco, Ext. 5467.