

Record Rains, Go Away!

Last week's torrential rains did more than flood basements, topple trees, soak ceiling tiles and make life generally miserable for many BNLeers and Long Islanders. The rains made history, with a record 19.01 inches of precipitation measured at BNL in October, smashing the previous record of 11.98 inches set in 1955, the most since the Lab began keeping records in 1949. This is also the highest total for any single month since record keeping began. In addition, the storm nearly set a new record for maximum daily rainfall, with an incredible total of nine inches measured at BNL last Friday, October 14 — just short of Hurricane Edna's 1954 all-time record of 9.02 inches in a 24-hour period.

"As I watched the radar screen and saw waves of precipitation moving toward us, I knew this was going to be a record-setting event," said BNL meteorologist Victor Cassella. "In my 15 years' forecasting for the Lab, I have seen summer heat waves, droughts, thunderstorms, hail, gusty winds, winter cold snaps, blizzards, and long snowy winters, but I never thought I would be part of a rain event that would last a week."

The record-setting rains were caused by a stalled (stationary) front that was lined up along the East Coast for more than a week. With no stronger system coming from the south or west to push it out into the Atlantic, a series of low-pressure systems formed along this front, picked up tropical moisture from the Atlantic, and then dumped it on the Northeast.

To make matters worse, coastal areas of the Island saw significant flooding during the event as strong, gusty winds of 40-50 miles per hour piled water up in the bays at times of high tide. The winds — caused by a strong pressure gradient between the low pressure that brought the heavy rains and a cold high pressure system moving in from the northwest — also downed numerous trees and caused power outages.

"When engineers talk about a 50- or 100-year storm event, this was it," said Cassella, "Some people have asked how much snow we would have gotten if this was a few months later. I would say 100+ inches...so, remember, it could always be worse!" — Peter Genzer

See box on page 3 for a comparison of last week's record-breaking precipitation to the previous records.

Distinguished Guests Help Celebrate BNL's Environmental Cleanup



Pictured above (from left) are William Levitan, Environmental Management, DOE; Praveen Chaudhari, Brookhaven National Laboratory Director; U.S. Senator Charles Schumer; Allen Steinberg, Regional Director, USEPA; and Michael Holland, DOE Brookhaven Site Office Manager.



Pictured at left are: (from left) Rod Rimando, DOE Project Director for Cleanup; U.S. Representative Timothy Bishop, and Michael Holland.

U.S. Senator Charles Schumer

On Friday, despite deep gray skies, high wind, and drenching downpours, Berkner Hall was bright and cheery as U.S. Senator Charles Schumer joined other special guests, DOE and BNL officials, community members, and hundreds of BNLeers in celebrating a significant Lab milestone — the completion of major environmental remediation projects agreed to by DOE and the regulators in an Interagency Agreement reached in 1992.

The event, marking the cleanup of soil, groundwater, and the Peconic River, as well as several decommissioning projects at the Brookhaven Graphite Research Reactor, kicked off with enthusiastic welcoming remarks from BNL Director Praveen Chaudhari and DOE Site Office Manager Michael Holland.

Next, DOE Environmental Management representative William Levitan spoke, calling the event "a great day here at Brookhaven." He was followed by Allen Steinberg, Regional Administrator for the U.S. Environmental

Protection Agency, Region 2, who noted the value of the partnerships formed between DOE, BNL, elected officials, and various local, state, and federal agencies during the cleanup process. "This cleanup represents government at its very best," Steinberg said. "All of you should be very, very proud."

Senator Schumer began his talk with a bit of history, describing his efforts to support BNL during his 1998 campaign, when the Lab was facing criticism from community members, elected officials, and the media over its environmental problems. During that time, he said, it was his view that keeping the Lab open and cleaning the site were possible. "We rolled up our sleeves and went to bat, and accomplished what we are celebrating today," he said.

Schumer cautioned that the work is not over — the Lab must continue to monitor the restoration areas and groundwater treatment systems — but was very positive about what has been done and about the future of Brookhaven.

"This is truly a model for the rest of the country," he said.

The Senator also discussed his support for two major science projects at BNL, the Relativistic Heavy Ion Collider (RHIC) and the new light source that the Lab is working to secure, National Synchrotron Light Source II (NSLS-II).

RHIC is a project with "enormous potential," Schumer said, stressing that he is working hard to see that RHIC's funding remains stable. "There's not another thing like it anywhere in the world. Why would we cut it?"

In his support for NSLS-II, Schumer was equally resolute, calling it "one of the great things we can do here at Brookhaven." He continued, "It belongs here, and we are going to get it here, and I will do everything I can to make that happen."

Schumer concluded his talk on a high, hopeful note. "What we're celebrating here is not an end, but truly a beginning. I feel a passion to see Brookhaven go on to greater and better things."

The celebration also featured posters, handouts, and a timeline of the major cleanup projects. Other attendees included U.S. Congressman Timothy Bishop, New York State Assemblyman Marc Alessi, Suffolk County Legislator Vivian Vioria Fisher, Stony Brook University Provost Robert McGrath, Suffolk County Director of Environmental Affairs Michael Deering, Jean Mannhaupt, president of the community organization Neighbors Expecting Accountability and Remediation and administrator of the Environmental Protection Agency Technical Assistance Grant, and Community Advisory Council members. — Laura Mgrdichian

Download "Celebrating DOE's Cleanup Accomplishments," an eight-page pdf file that summarizes the Lab's cleanup projects at www.bnl.gov/bnlweb/pubaf/pr/docs/celebrating.pdf



Top Quark at Fermilab!

BNL's contributions of expertise, hardware, software remembered

Ten Years Ago

Ten years ago, members of the Omega Group in BNL's Physics Department were among the happy and proud who announced the discovery of the top quark at the world's highest energy collider, the Tevatron at Fermi National Laboratory (Fermilab). A celebration called "Top Turns Ten" is being held today at Fermilab.

The BNLeers were part of the 42-institution collaboration called D-Zero, which, along with its rival experiment, the Collider Detector at Fermilab, revealed on March 2, 1995, that the sixth, heaviest and most elusive member of the quark family of elementary particles had finally been found after nearly 20 years of searching.

As predicted by the particle-physics theory called the Standard Model, the top is one of

six "flavors" of quarks. Paired in three generations, the six quarks are: up and down, charm and strange, and top and bottom. Although all six were present at the birth of the universe, only the up and down quarks exist in ordinary matter today. Since the charm, strange, top and bottom quarks have not occurred naturally since the Big Bang, they have had to be recreated and, hence, discovered by humankind using high-energy particle accelerators or colliders.

Recalling the top-quark discovery, "It was a really exciting time knowing there was probably evidence for the top — but until the collaboration went through an extensive analysis, not everyone was convinced," says BNL Senior Physicist Howard Gordon, who, at the time, headed the Omega Group.

"As has happened before in particle physics, discoveries previously made become the method of calibrating new detectors. This is particularly true in the ATLAS experiment at the LHC [Large Hadron Collider] where we expect to accumulate more than 1,000 top events in the first week of running, and this will tell us that the experiment is working correctly," adds Gordon, who is now the Physics Department Associate Chair for High-Energy Physics and has been managing the U.S. participation in the building of the ATLAS detector for the LHC, which, when it comes on line in 2007 at the European particle physics laboratory CERN, will take over the world record as the highest energy collider.

To the D-Zero experiment and, hence, to the top-quark discovery, the Omega Group

contributed much expertise, hardware and software.

For example, BNL physicist Bruce Gibbard headed D-Zero's on-line data acquisition, and BNL physicist Serban Protopopescu contributed significantly to the top discovery while leading D-Zero's off-line data reconstruction and analysis. And, as it turned out, the discovery-yielding analysis relied heavily upon measurements made by one of the D-Zero detector's four major systems: the central calorimeter, which was designed, engineered and built by the Omega Group.

— Marsha Belford

Note: For the full story of BNL's contributions to the top-quark discovery, as published in the Brookhaven Bulletin of March 10, 1995, go to www.bnl.gov/bnlweb/pubaf/bulletin/1995/031095.pdf.

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. 33470 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 (Rec. Hall) 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

Weekdays: Free English for Speakers Of Other Languages Classes

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

Mondays & Thursdays: Kickboxing

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

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

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

Tues. & Thurs: Aerobics

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

Tues. & Thurs: Aqua Aerobics

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

Tues. & Thurs: Jazzercise

Noon-1 p.m., Rec. Hall. Preregistration is required. Newcomers can get a free try-out. Christine, Ext. 5090.

Tue., Thu. & Fri: Upton Nursery School

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

Tuesdays: Welcome Coffee

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

Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club

6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmasters/default.htm.

Tues., Wed. & Thurs: Rec Hall Activities

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

Wednesdays: On-Site Play Group

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

Wednesdays: Weight Watchers

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

Wednesdays: Yoga

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

Wednesdays: Ballroom Dance Class

\$30/person/6-week series. Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

Thursdays: Reiki Healing Class

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

Fridays: Family Swim Night

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

Fridays: BNL Social & Cultural Club

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

Suffolk County Legislature Honors BNL for Educational Programs



Photo courtesy of Bob Strovink

The Suffolk County Legislature has honored BNL with a proclamation “for its exemplary work on behalf of the children of Suffolk County.” Specifically, the legislature honored the Lab for sponsoring its annual elementary school science fair for 20 years. Over the last two decades, some 14,000 children have participated in the fair.

The BNL science fair recognizes the achievements of kindergarten through sixth-grade winners from local elementary school science fairs.

The winners from across Suffolk County come to the Lab, where BNL staff and local teachers evaluate their projects. The winning student in each grade level receives a large banner to display at his/her school. The fair is designed to celebrate academic achievement and promote science literacy. BNL’s Office of Educational Programs organizes the science fair, and it is run with the help of many volunteers from the Lab and the community each year.

— Diane Greenberg

From Ants to Yo-Yos:

BNL’s 2005 Elementary School Science Fair

The students participating in BNL’s 2005 Elementary School Science Fair created a range of diverse projects, from describing the food preferences of ants to prescribing the best yo-yo string. More than 500

students’ projects were entered in the contest by 116 Suffolk County schools. Lab scientists and local elementary school teachers judged the projects, based on scientific thought, creativity, thoroughness, and

clarity. Pictured at right is second grader Quillian Martin of The Laurel Hill School in East Setauket, who won first place for a project on “Which Are The Strongest, White Eggs or Brown?” — Diane Greenberg

Suffolk County Legislator Lynne Nowick, 13th Legislative District (center) presents the proclamation to those involved with BNL’s educational programs: (from left) Frank Crescenzo, DOE Brookhaven Site Office Deputy Manager; and from BNL, Mel Morris, Education Program Administrator; Susan Sears, Museum Program Educator; Marge Lynch, Assistant Laboratory Director for Community, Education, Government & Public Affairs; Kathy Nasta, Museum Program Coordinator; Gail Donoghue, Museum Program Supervisor; Jeanne Petschauer, Community Relations Representative; and Ken White, OEP Manager.



Roger Stoutenburgh DT76505

SBU Student Wins First Dr. Mow Shiah Lin Scholarship



Roger Stoutenburgh DT590905

Yuanzhi Tang, a graduate student in the Department of Geosciences at Stony Brook University (SBU), has won the first annual Dr. Mow Shiah Lin Scholarship. The Asian Pacific American Association (APAA) at the Lab initiated the scholarship, which consists of \$1,000 and a plaque, to honor the late distinguished Brookhaven Lab scientist for which it is named.

Mow Shiah Lin began his career at BNL in 1975 as a postdoctoral fellow and advanced to co-lead a research team working with an environmental remediation company to use selected bacteria to con-

vert toxic oil wastes, such as used motor oils, into useful products. In 2001, Lin shared the R&D 100 Award, given by *R&D Magazine* to the top 100 technological achievements of the year, for a technology to recover silica from geothermal brine. Lin died suddenly due to a brain aneurysm at the height of his career in 2003, and his fellow employees, friends, and family contributed funds to establish the scholarship.

In honor of Lin’s research, achievements, and inventions, the scholarship will be granted annually to an Asian immigrant

with a student visa who is matriculating toward a graduate degree at an accredited institution of higher education in environmental science, biology, or chemistry, in remembrance of the manner in which Lin began his career.

Tang’s research at SBU involves the use of various analytic techniques — including x-ray imaging at BNL’s National Synchrotron Light Source — to study the mechanisms of the reaction of contaminants in natural environments, especially reactions at the interfaces of minerals and water.

— Diane Greenberg

With Mow Lin Scholarship winner Yuznhi Tang (fifth from left) in the photo are: (from left) Susan Eng Wong, co-coordinator, APAA; Thomas Butcher, BNL scientist and head of the scholarship selection committee; Satoshi Ozaki, BNL scientist/administrator and APAA advisor; Beth Y. Lin, APAA co-coordinator and widow of Mow Shiah Lin; Lucinda Lin, daughter of Beth and Mow Shiah Lin; Richard J. Reeder, Director, SBU Center for Environmental Molecular Sciences and thesis advisor for Tang; Samantha Lin Alvarado, daughter of Beth and Mow Shiah Lin; Marie Van Buren, member of the APAA scholarship committee, and (front, center) Josephine Alvarado, granddaughter of Beth and Mow Shiah Lin.

Former Astronaut ‘Doc’ Graveline Talk on Space Radiation Effects , 11/1

Duane “Doc” Graveline, a former astronaut who received international recognition for his research on the effects of zero gravity on the human body, will speak about some of the medical effects of space flight at BNL on Tuesday, November 1, at 1:30 p.m. The public talk, entitled “Retinal Flashes and Return to the Moon,” will be held in the Medical Department’s conference room.

Because today’s astronauts are spending more time in space, NASA is working with BNL and other institutions to learn about the possible risks to human beings exposed to space radiation. To study the radiobiological effects using beams that simulate the cosmic rays found in space, a new, \$34-million NASA Space Radiation Laboratory has been established at BNL.

Visitors to the Lab ages 16 and over must bring a photo ID.

Celebrate Diwali, Festival of Lights, 11/19

All are invited to celebrate Diwali, the Festival of Lights, with the BERA Indo-American Association on Saturday, November 19, at Berkner Hall. The cultural program of Indian music and dances starts at 3:15 p.m., followed by a traditional Indian dinner at 8 p.m. Admission: adults, \$12; children of ages 5-12, \$8. For tickets, contact Shailendra Chouhan, Ext. 2443; Ramesh Gupta, Ext. 4805; or Sharadha Sambasivan, Ext 4862. For more information, see <http://geocities.com/TheTropics/Harbor/1595/iaaEvents.html>.

Halloween Costumes Wanted

The BNL Quality of Life/BERA/Recreation Office is collecting Halloween costumes that are clean/gently used for underprivileged children in the local area. Drop off your costumes to Christine Carter or Joanne Rula, Bldg. 179B.

Employee Conflict Resolution
The Brookhaven Advocacy Council Is Here to Help



Roger Stoutenburgh D21B0805

The Brookhaven Advocacy Council (BAC), composed of BNL peers, is an independent, confidential committee that reports directly to the Laboratory Director. As a key component of the Lab's justice system, the BAC is charged with the authority to receive and respond to employee, guest, and facility user concerns or issues; analyze

and research data; and propose resolutions. The BAC may also make recommendations to the Lab Director on the resolution of certain of these problems and concerns. Says BAC Chair Alistair Rogers, "The Brookhaven Advocacy Council is a group of 11 members of the Lab with different backgrounds and different out-

looks on life. Together we aim to be an honest broker for conflict resolution at BNL. Our commitment to fairness and confidentiality is serious and I believe that message is beginning to reach the BNL community." Once a month, usually on the third Thursday, the BAC holds an open meeting from 12:30 to 1 p.m. for employees,

The Brookhaven Advocacy Council members are: (back, standing, from left) Gerard Shepherd,* Environment, Safety, Health & Quality Directorate, Ext. 5233; Joseph DeLong, Collider-Accelerator Department, Ext. 2868; Ernest Tucker, Training Office, Ext. 5735; Chair Alistair Rogers,* Department of Environmental Sciences, Ext. 2948; (front, from left) Lori-Anne Neiger, Office of Intellectual Property & Sponsored Research, Ext. 3035; Stasia Scocca, Quality Management Office, Ext. 3979; Co-Chair Bill Gunther, Life Sciences Directorate, Ext. 7961; James Fung, Information Technology Division, Ext. 8403; Gretchen Cisco, National Synchrotron Light Source, Ext. 4703; Amber Melosi, Physics Department, Ext. 3807; Angela Melocoton, High Energy & Nuclear Physics Directorate, Ext. 5322. *The photos of these two members were added digitally. guests, and users to share general thoughts and concerns. Meetings, which are posted on the BAC website, are usually held in a Berkner Hall meeting room. To bring a concern or issue to the BAC's attention, contact a member directly or call its hotline at Ext. 4200. For more information, see www.bnl.gov/bac/.

New Mercury Law Requires Change In
Fluorescent Bulb Disposal Practices at BNL



New York State has passed legislation that, among other things, requires labeling and proper disposal and/or recycling of mercury-added consumer products. It is now illegal to dispose of mercury-containing consumer products in the normal trash. As a result of this law, *The Mercury Free Water Resources and Mercury Reduction Management Strategy Act of 2005*, (available at <http://assembly.state.ny.us/leg/?bn=A01560>), low-mercury items, such as green-tipped fluorescent light bulbs, which were previously disposed of in the normal trash, must now be disposed of as "universal waste," in similar fashion to how high-mercury fluorescent light bulbs are disposed of. For more information, contact Gary Olsen, Ext. 8580; Peter Pohlot, Ext. 5660; or Steve Ferrone, Ext. 5531.

Teen-Parent Communication Workshop, 11/3
'What Works, What Doesn't'

Join John Quinlan of the Cornell University Cooperative Extension on Thursday, November 3, from noon to 1 p.m. in Berkner Hall, Room B, where he will present "Teen-Parent Communication: What Works and What Doesn't," a workshop designed to build a more supportive and satisfying relationship through effective communication. Preregistration is required for this talk. Check your mailbox for registration forms. For more information, contact Michael Thorn, Ext. 8612.

2006 BSA Scholarship Alert

Applications for 2006 BSA Scholarships may now be obtained from the Human Resources Division, Bldg. 185. The application deadline is November 15. Applicants must be secondary school seniors who will be graduated during the current academic year and entering college by fall 2006. To qualify, applicants must be: children of BNL employees who began regular, full-time, or regular, eligible part-time employment no later than November 15 of this year, and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the previous two years before making the application. All scholarships are awarded competitively and are renewable for up to a total of four years of study toward an academic degree. Selection is made by an independent committee appointed by Scholarship and Recognition Programs in Princeton, NJ. Thirteen scholarships will be awarded without regard to ethnicity. Two additional scholarships will be awarded to under-represented minorities (Black, Hispanic, or Native American) achieving the requirements established for these scholarships. For more information, call Bonnie Hulse, Ext. 2885.

Recital

BSA Noon Recital: Cello Quartet, 11/2

The Rastrelli Cello Quartet will give a concert on Wednesday, November 2, at noon in Berkner Hall. Founded in Stuttgart, Germany, in 2002, the Quartet plays a variety of music — including classical, pop, and jazz — that expands the cello's sound. The quartet's artists hold an impressive collection of international competition prizes among them. Sponsored by Brookhaven Science Associates, the company that manages BNL, noon concerts are free and open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Wanted: Oil Burner Field Study Participants

BNL and its industry partner Heatwise, Inc., has developed a new residential oil burner that uses 73 percent less electrical power than conventional burners. Volunteers are wanted to participate in an in-home field test, sponsored by the New York State Energy Research and Development Authority. For more information or to participate, contact Wai-Lin Litzke, Ext. 7153 or litzke@bnl.gov.

Old Precipitation Records

Maximum Daily Precipitation
9.02 inches
September 10 - 11, 1954
Hurricane Edna

Maximum Monthly Precipitation
13.01 inches
January 1979

Maximum October Precipitation
11.98 inches
October 1955

Recent Storm Highlights

October 2005
Monthly Rain Total
19.01 inches

Daily Rainfall Total
October 14
9.00 inches

Prostate Cancer:
Free Screening
On Site, 11/10

Howard Adler, Assistant Professor of Clinical Urology and Director of Stony Brook University Hospital's Prostate Care Program, will conduct free prostate cancer screening, which includes a PSA blood test and a digital rectal examination, on Thursday, November 10, from 2 to 4 p.m. in the Occupational Medicine Clinic, Bldg. 490. Pre-registration is required. To register, call 1-800-862-2215. For more information, contact Michael Thorn, Ext 8612, or mthorn@bnl.gov.

Menopause Presentation, 11/15

Doris Weisman of Stony Brook University's School of Medicine and School of Nursing will talk on menopause on Tuesday, November 15, noon-1 p.m., Berkner Hall, Room B. Preregistration is required to attend this talk. Check your mailbox for registration forms. For more information, contact Michael Thorn, Ext. 8612.

CALENDAR

— THIS WEEKEND —

Friday, 10/21

Healthfest 5-km On-Site Run
12:05-1 p.m. Starts at Biology, Bldg. 463. The 5 km (3.1 mile) run counts as 1st half of Healthfest Biathlon. See more detail on page 4..

Saturday, 10/22

***BERA Trip to Hudson Valley**
9 a.m. Start from BNL for a day at Bear Mountain State Park in the Hudson Valley. Oktoberfest, Apple Festival. Luxury coach fare, \$10. Buy at BERA Store. For more BERA trips, events, see www.bnl.gov/bera/

— WEEK OF 10/24 —

Monday, 10/24

Healthfest 400-yard Swim
11:30 a.m.-12:30 p.m. Swimming pool, Bldg. 478. Participants must be 18 or older. To register, complete the form at <https://www.bnl.gov/hr/healthfestreg/>. See notice, page 4.

IBEW Meeting
6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. A meeting for shift workers will be held at 3 p.m. in the Union Office. The agenda includes regular business, committee reports, and the president's report.

Wednesday, 10/26

Healthfest 800-yard Biathlon Swim
11:30 a.m.-12:30 p.m. — at the pool, Bldg. 478. You must be 18 or older. Register at <https://www.bnl.gov/hr/healthfestreg/>. See page 4.

Friday, 10/28

***Halloween Costume Dance Party**
7 p.m. Free Lindy Hop lesson. 8:30 p.m. Live music by Tommy James & the All-Stars. DJ music also. Dancing, costume contest, all sponsored by BERA Social & Cultural Club. Tickets, \$12 advance, \$15 at door. See notice on page 4.

— WEEK OF 10/31 —

Tuesday, 11/1

***Talk on Space Radiation**
1:30 p.m. Conference Room, Bldg. 490. Former astronaut Duane "Doc" Graveline talks on space radiation effects. See notice, page 2.

Wednesday, 11/2

***BSA Noon Recital — Cello Quartet**
Noon. Berkner Hall. Rastrelli Cello Quartet. See notice, left.

Friday, 11/4

Blues, Rock Concert
8 p.m. Prof. "Louie" & the Crowmatix will perform, with the Lone Sharks band to open. Tickets are \$15 in advance, \$20 at door. Sponsored by the BNL Music Club. See notice, page 4.

— WEEK OF 11/7 —

Thursday, 11/10

Talk on Einstein Discoveries
4 p.m. Berkner Hall. BSA World Year of Physics Lecture by John Rigden, Washington University, on "Albert Einstein's Revolutionary Discoveries in Physics. All are welcome to this free lecture.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

Arrivals & Departures

— Arrivals —
None

— Departures —
Harold Gassner C-A
Tammy Stein..... Physics

BNL’s Month-Long Celebration Of Health, Fitness, Safety

During this year’s Healthfest, BNLers are encouraged to take responsibility for personal health, fitness, and safety. All are welcome to take part in Healthfest raffles, health screenings, safety demonstrations, fitness events, and the “Health, Fitness & Safety Fair.” See https://www.bnl.gov/hr/healthfestreg or contact Healthfest 2005 Co-chairs Denise DiMeglio, Ext. 2881; or Michael Thorn, Ext. 8612.

— Next Week’s Healthfest Events —

400-Yard Swim

Monday, 10/24 • 11:30 a.m. – 1:30 p.m. • Pool, Bldg. 478.

Participants must be 18 years or older and will receive a 2005 Healthfest T-shirt, while supplies last.

800-Yard Biathlon Swim

Wednesday, 10/26 • 11:30 a.m. – 12:30 p.m. • Pool, Bldg. 478.

To determine the biathlon results, the 800-yard swim results will be combined with the fitness run (11/21, see calendar, page 3) results. Participants must be 18 years or older and will receive a 2005 Healthfest T-shirt, while supplies last.

Classified Advertisements

Placement Notices

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

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

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

TB3715. REFRIGERATION & AIR CONDITIONING ENGINEER - Under minimum supervision, constructs, installs, repairs, maintains, and operates refrigeration, air conditioning, ventilating and auxiliary and related equipment. Will perform the same work on air compressors and vacuum pumps whether or not associated with the above equipment. Shift workers assigned to Building 600 acknowledge all Laboratory alarms in the control room and make appropriate notifications. Plant Engineering Division.

Motor Vehicles & Supplies

04 CROSSROADS CRUISER - 30' trailer, dbl. slide, qu. br., bath, bunks, lots storage, used only 5 times. \$21,500/neg. 924-0139.

03 CROSSROADS CRUISER 5TH WHEEL - single slide out, 2 bdrms., one w/bunks, loaded, must sell, taking offers. 874-0404.

03 CHEVY 2500 AVALANCHE - grey/leather heated seat, 8.1 ltr, 6CD, m/roof, loaded, 5yr/7 28K mi. \$26,000/neg. 921-5189.

02 CHRYSLER PT CRUISER - Ltd. Ed., a/c, abs, a/t, cd, c/c, p/b, p/l, pwr. m/rf., more, 57K mi. \$10,000. Robert, Ext. 7859 or 312-6451.

99 DODGE DURANGO - a/t, 4wd, 8cyl., c/c, a/c, p/l, p/w, cd, ttd. wndws, 3rd seat, amethyst, cloth int. 75K mi. \$8,500/neg. 874-0404.

99 FORD WINDSTAR SE - fully loaded, v.gd. cond., orig. owner, silver/blue. 79K mi. \$5,000. Diane, 758-7913.

98 DODGE DURANGO - 8-cyl., a/t, 4WD, A/C, CD/cass, c/c, p/b, p/l, p/s, p/w, excel. cond. 98K mi. \$15,000/neg. 924-7586.

98 HONDA CIVIC EX COUPE - black, 2 dr., new tires & batt., s/roof, all pwr., excel. cond., must sell. 84K mi. \$5,900/neg. Ext. 4705.

96 MERCURY SABLE - lg. st. wgn, white, runs well, gd. cond., powerful eng. model, 25 mpg. 105K mi. \$1,500/neg. Steve, Ext. 8137.

96 NISSAN QUEST - orig. owner, new brakes, tires, shocks, plugs, wires, great cond., 141K mi. \$2,900. Ext. 3815 or 821-3486.

95 DODGE VAN - handicap accsbl., side door power lift, new br., muffler, cat. conv, shocks, inspected. 130K mi. \$8,900/neg. 929-4663.

95 BUICK SKYLARK - 4dr, 6-cyl, abs, a/t, a/c, all pwr., am/fm/cd, excel. cond. chenm@bnl.gov 107K mi. \$1,800/neg. 344-1136.

95 BUICK LESABRE - All options. V-6, a/c. Everything works %100. Ready to drive. 70K mi. \$5,000/neg. 821-1127.

94 BMW 325i CONVERTIBLE - loaded. a/t, new tires/batt., CD, gar., excel. cond. 91K mi. \$6,500. Rick, Ext. 3005 or 874-9639.

93 JEEP GRAND CHEROKEE LAREDO - 4L, 4x4, a/c, p/w, p/l, p/seats, a/t, abs, new fr. brks., well maint. 147K mi. \$3,000. 591-1611.

92 FORD TAURUS - lg. st. wgn., blue, gd cond. New rad., eng. mnts., brks. 20 mpg. 125K mi. \$600/neg. Steve, Ext. 8137.

92 FORD EXPLORER - Eddie Bauer Edition, Good shape, runs well. 141K mi. \$1,800/neg. 363-2268.

91 ISUZU AMIGO - a/c, 5spd., 2wd, new tires/brakes, blk./gray int., new cd w/remvbl. face. 39K mi. \$1,500/neg. 786-8535.

83 FORD LTD - 6 cyl., a/t, a/c, runs well, good station car. 116K mi. \$400. 929-6421.

POCKET BIKE - silver, 49cc. \$300. Ext. 4705.

RIMS & TIRES - 18" 5-lug chrome rims w/ low profile tires, 1 rim needs new tire, as is. \$600 obo. Ext. 7692 or 445-4027.

Boats & Marine Supplies

23' CHRYSLER CUDDY CABIN I/O - fg hull, camper top, Chr. outdrv., excel. cond. \$475/neg. Dennis, Ext. 4028 or 375-8519.

Furnishings & Appliances

BREAKFRONT - 53"w/76.5"h/14"d, mahogany; 4 glass drs, 2 shlvs., ctr. sec'try, 3 drwrs., lfr/t cabs, needs work, \$350. Ext. 3424.

COUCHES, LOVESEAT - floral brocade, carved wd. frames, photo avail., pd. \$3K, sell \$950, sleeper couch \$450. 689-5215.

DINING ROOM TABLE - solid honey oak w/two leaves & prot. pads, 4 upholstered chairs. Pics avail. \$500. 909-1498.

DISHWASHER - Frigidaire, 1-yr. old, works. Best offer or will give away for free. Steve, Ext. 8137.

FURNITURE - lg. cust. made prof. office desk (>\$150), dry sink, dresser, hutches & more, best offers. 208-0408.

GAS WALL OVEN - Almost new, 24" Magic Chef. Used only twice. \$200. 514-9871.

LAMP - Pewter, tall, w/stenciled shade in pink/teal. Asking \$10. Barbara, Ext. 3431.

MATTRESS - 2-yr.-old Serta Post/Pedic full-size/w/bx. spg., \$450; antique wicker chr. \$25; reclr/rcrk. \$45. Ext. 7007 or 473-9678.

MICROWAVE OVEN - Kenmore, counter-top, good cond. \$30. Craig, Ext. 4028.

WALL UNIT - 8 ft., 3 pc., white-washed wood, perfect, photo avail., paid \$1,800, ask \$750. Jodi, 689-5215.

WASHER & DRYER - Frigidaire full capacity washer & full capacity Maytag dryer. Both \$100. Ext. 8321 or 804-8609.

WASHER-DRYER - Equator, washer, vent-less dryer in one unit. 1-yr old. Wash fine, no dry. Best offer or free. Steve, Ext. 8137.

Sports, Hobbies & Pets

2003 TOTAL GYM - like new, all accessories incl. \$75. Jody, Ext. 4127.

CAMOUFLAGE - military style to conceal items, 2 sheets, ask \$75. 208-0408.

GO CART - Yerfdog, 2-seater w/6-hp eng., ask \$400. Will deliver locally. Ext. 3255.

NORDICK TRACK - Excel Exerciser, solid oak, steel frame, wheels, excel. condition, cost \$450, b/o/over \$195. 208-0408.

Tools, House & Garden

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

COVER-IT - Portable garage (12x12x24) for boat, RV or any storage, excellent condition. Asking \$200. 208-0408.

LATHE - Sheldon, 10" swing, bench top, good cond., can e-mail pictures, ask \$250. William, Ext. 3799 or 651-9798.

SNOW PLOW. - 7.5' Meyers, pwr. angle, excel. cond., garage kept, ask \$1,700. Anthony, Ext. 4867.

Blues, Rock Concert at BNL, 11/4 Professor ‘Louie’ & The Crowmatix With The Lone Sharks to Open the Show

Professor “Louie” & The Crowmatix, a Woodstock, New York-based band that plays a mix of blues, rhythm & blues, and rock both nationally and internationally and whose CDs include the “Spirit of Woodstock” to be released this fall by the New York State Museum, will give a concert in Berkner Hall on Friday, November 4, at 8 p.m. The Lone Sharks, a local band founded by singer-songwriter Gene Casey will open the show. Sponsored by the BNL Music Club, the concert will be open to the public. All visitors to the Lab age 16 and over must bring a photo ID.

Tickets for the concert cost \$15 each in advance, and \$20 each at the door on the day of the show. Buy tickets in advance from ticketweb.com; or the BERA Sales Office in Berkner Hall, weekdays, 9 a.m.-3 p.m. For more information, call 344-3846.

Pre-Halloween Costume Dance Party, 10/28

On Friday, Oct. 28, at the North Ballroom, Brookhaven Center; the BERA Social & Cultural Club will sponsor a “Pre-Halloween Dance Party,” open to the public. Come in costume to be eligible for the costumes contest.

Live music — swing, foxtrot, ballroom, and Latin — will be played by bandleader Tommy James and the All-Stars, including Chuck Genduso on trumpet, Roe Colletta on clarinet, trombonist Frank Vaccaro, and tenor sax Billy Rignola, all backed by John DeWitt, bass; Ed Tierney, drums; and Mat Wyne, piano. In between sets, DJ music will include hustle, Argentine tango, bolero, bachata, salsa, and more.

The evening starts at 7 p.m. with a free, 45-minute Lindy Hop lesson for beginners. Live music starts at 8:30 p.m.

Tickets are \$12 in advance at the BERA store in Berkner Hall, and \$15 at the door. The admission fee includes the dance lesson, a cold hero buffet, tea/coffee, dessert, and refreshments. Guests must present a photo ID at the main gate.

WINDOW - Anderson wood w/vinyl 32w x 15h for bsmt, maintenance free, energy efficient, cost \$60, b/o/over \$30. 208-0408.

Miscellaneous

BARBIE DOLL HOUSE - 49"hx 39"w x 15"d, furn. incl., excel. cond., paid \$175, ask \$75. Donna, Ext. 2716 or 878-2425.

CABINETS AND COUNTERTOPS - kit., vanity cabinets, granite and corian counter-top, must go, best offer. Paula, 924-0139.

FORMAL EVENING GOWNS - Daymor designer gowns - http://www.daymor.com, excel. cond. Size 10 - \$200/ea. 581-7656.

LUGGAGE - 36" Wheeled duffel bag. Drop bottom opens like suitcase. Top & end pockets. 36x16x14 unused \$70. Ext. 3973.

REPLACEMENT WINDOWS - approx. 20 assorted windows, best offer for all, will not split up. Daniel, Ext. 7658 or 654-5607.

Yard & Garage Sales

RIDGE - 10/15-16, 76 Raynor Rd., 8 a.m.-4 p.m., great holiday shopping. Ext. 6273.

Free

COMPUTER PARTS - Historic, gvc int. fax modem, 14,4000 bps V.; Comp USA 56K PCI V90; Sohware fast a/t, more. 265-3982 eve.

FIREWOOD - You pick up. Peter, 744-1112.

Wanted

APT. IN SELDEN - looking for apartment i- with living room. no more than \$800/month. Joseph, 484-8806.

SOIL FILL - clean, sandy, soil; 20+ cubic yards, trailer from Manorville. Jim, Ext. 5537.

PERSON TO MOVE DIRT - need person w/Bobcat or front-end loader to scrape dirt for RV-parkg space. Ext. 7978 or 744-9308.

Lost & Found

FOUND: SET OF FORD KEYS - outside Bldg. 51 with Ford remote opener transmitter and aluminum tags. Susan, Ext. 2828.

Community Involvement

SCALLOP DINNER - at the Cutchogue Methodist Church. Election Day, 11/8. Seat- ings at 5, 6, and 7 p.m. Adults \$16, under 10 is \$8. Ext. 2451 or 734-9087 for tickets.

FUND-RAISER YARD SALE - Sat., Oct. 22, 10 a.-3 p.m., for medical-bill help for SBU's A. Jaye & S. Tracz, badly injured in car accident. Sale held by St. Paul's Lutheran Church, (tel. 473-2236), 309 Patchogue Rd. (Rt 112), Port Jeff. Station, across from Bickbstr Video. From 8:30 a.m., all help welcomed in setting up, sales, cleanup, etc. Donations also welcome (phone first). Contact: Debbie Stoner-Ma, dstonerma@hotmail.com.

For Rent

BELLPORT - 1 bdrm, bath w/shower stall. Upstairs loft bdrm, full kitch. Parking in driveway. Util. & satellite TV incl. One mo. sec. \$900/mo. 286-7088.

EAST MORICHES - 4-bdrm farmhouse, 2 bath, bsmt., sunrm, wrap-around porch, 3 story, 2 acres, walk to work, shops, school, avail. 11/1. \$2,000/mo. Ext. 4979 or 513-6688.

MANOR PARK - 1st flr apt., 2 bdrm., 1 bath, pvt. ent., sep. heat, rugs cleaned, will paint, close to all, no smkg., pets neg, refs & credit req'd. \$1,400/mo. Ext. 5154 or 772-5665.

MANORVILLE - lg. studio in estate home on over 3 acres, quiet, Kitchennette, full bath, pvt. ent., 5 min to BNL, incl all utils and sat TV. \$785/mo. Rick, Ext. 3005 or 924-9639.

MANORVILLE - Share furn. 2 bdrm. apt.: yours 12x18, own bath. I'm away F-Tu am. Lrg l/r, d/r; w/d, a/c. \$500/mo. if you feed cat Sa-M. Heat incl. \$650/mo./neg. Rob, Ext. 5161.

MASTIC BEACH - 4-bdrm. ranch, close to water, new cesspools, quiet, 2 mo. sec. req'd. \$1,500/mo. Ext. 7658 or 654-5607.

PT. JEFF STATION - New, 1 BR, l/r, bath, kitch, cable, pvt. ent., close to all, no pets/smkg, 1 mo. sec., refs req'd., utils. incl. \$1,000/mo. Candiece, 631-828-6704.

RIDGE - 1-bdrm. apt., kit. l/r combo, bath, sep. ent. own backyd., all util./cable incl. on horse property \$900/mo. Wayne, 924-0002.

SHIRLEY - lg. bsmt. apt., suit one, all util. except phone, 1 month + 2 mon. sec, no pets/smkg., very quiet. \$750/mo. Ext. 3846.

SHIRLEY EAST - Studio furn. apt, for one, eik lv/bdrm combo, full bath, sep ent., N/S, N/P. One mo. sec, all util. incl. high-speed int. \$650/mo. Ext. 8321 or 804-8609.

SMITHTOWN - new studio/cottage. Walk train, Main St., Light, bright, w/storage. Off st. pkg @dead end. Suit 1. No pets/smking. Ref/sec. \$800 + elec. \$800/mo. 366-0918.

SMITHTOWN - Grnd. lvl. lg. 3 room, lr, kit, lg bdrm, storage, bath. Walk train/town. No smok/pets. Suit for 1. Sec & ref. required. \$1,200/mo incl util. \$1,200/mo. 366-0918.

SOUND BEACH - 1-bdrm. cottage, pvt. drive and setting, walk to beach, no pets/smkg., 12 mi. to BNL, 10 mi. to SBU, electric and cable incl. \$1,100/mo. 821-9417.

SOUND BEACH - house, 1 bdrm 1 bath. Close to beach, OHW heat, w/d, pets okay, 15 min to Lab and SUNY. \$1,050/mo. John or Pete, Ext. 4028.

For Sale

EAST PATCHOGUE - 3-bdrm. ranch, 2 bath, l/r, d/r, f/p, oak flrs, c/a/c, fin. bsmt., gar, sprinklers, 1/2 acre, quiet neighborhood. like new. \$675,000. 475-2068.

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

PORT JEFF. STATION - Shy acre, 10 rooms, 5 bed, 3 bath, high ranch, flag lot, 30' 48" pool w/deck, play center, taxes \$6,400 w/star, 2nd kit. ready. \$469,000 Victor, Ext. 2271.

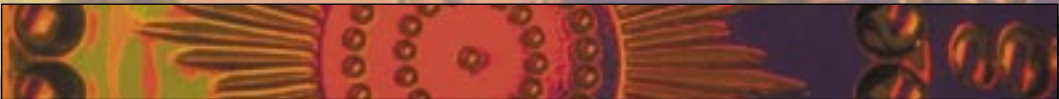
On-Site Service Station

TIP OF THE MONTH - Many of our customers have been receiving traffic tickets for failing to have current NYS motor vehicle inspections. Check your expiration date and call us at Ext. 4034 to schedule an inspection at least 10 days before the date on the sticker. NYS gives no extensions.

Services

A complete list of services is available at http://intranet.bnl.gov/ads/displayAdsAll.

Wanted: BNL Art and Crafts for Fall Show



BNL artists, photographers, sculptors, and crafters — your most beautiful, eye-catching work is needed for the BNL Art Society’s upcoming Art and Crafts Exhibit to be held at Berkner Hall from Monday to Wednesday, November 21-23, 11:45 a.m. -1:30 p.m. An evening reception with refreshments will also be held on Monday, November 21, 5 - 7 p.m.

BNL employees, retirees, facility users, guests of BNL, and family members 15 years and older, may all contribute. More than one piece may be en-

tered by an exhibitor, to be shown as space permits. There is plenty of time to start, finish or frame an artistic contribution — bring your finest skilled and creative works for the Lab community to enjoy.

Exhibits for the show must be brought to Room C, Berkner Hall, the afternoon of Friday, November 18. To be included in the catalog, complete a form for each work entered and return it by Monday, November 14, to Liz Seubert, Bldg. 134, or e-mail the information requested below to lseubert@bnl.gov.

Entry Form for BNL Art, Craft Exhibit, November 22-24

Name: _____ Home Phone: _____

BNL Contact: _____ BNL Ext: _____

Type of art/craft (painting, sculpture, photo, pottery, quilting, etc.): _____

Title of Work (if there is a title): _____

Description (medium, material, size, etc.): _____

Please print clearly, return to Liz Seubert, Bldg. 134, or lseubert@bnl.gov by 11/14.