

## BNL's Ruth Van de Water Receives 2011 Blavatnik Award For Young Scientists

**Named a finalist by the New York Academy of Sciences for her contributions to physics**

Ruth Van de Water, an assistant physicist at Brookhaven Lab, has been named a finalist in the postdoctoral category of the New York Academy of Sciences' Blavatnik Awards for Young Scientists. Established in 2007 by the Blavatnik Family Foundation, the prestigious awards program recognizes researchers who make innovative, impactful, and interdisciplinary advances in the life and physical sciences, mathematics, and engineering.

Van de Water, who was a postdoctoral fellow at Brookhaven Lab from 2008 to September 2011, was one of six postdoctoral fellows and seven university faculty members chosen as finalists out of 150 high-caliber applications. Of those, four were chosen as winners. At the New York Academy of Sciences' gala on November 14, Van de Water was given a medal and \$5,000, the award for postdoctoral finalists. Her citation honors her for "Numerical computations needed to search for new particles and laws of physics at high-energy collider experiments."

"I was surprised and honored to receive this recognition for my work," Van de Water said. "The Standard Model of particle physics was established more than 30 years ago, and it has been remarkably successful in describing experimental observations of the elementary particles and their interactions. But the theory does not explain every-



Roger Stoutenburgh D461111

thing that we see, such as dark matter, dark energy, or neutrino masses.

"So now experimentalists, as well as theorists like myself, are looking for 'new physics' to explain these phenomena. One way to do this is to try to produce new elementary particles directly at high-energy collider experiments such as at the Large Hadron Collider. Another is to make very precise experimental measurements and look for deviations from Standard Model predictions. To do so, we need equally precise numerical computations of the theoretical predictions to compare with the precise experimental measurements. I perform these numerical computations."

In her research, Van de Water uses powerful supercomputers,...

See *Van de Water* on p. 2

## Bestselling Author Dava Sobel To Speak: 'How Copernicus Revolutionized the Cosmos,' 12/15

Dava Sobel, an award-winning author and former science reporter for *The New York Times*, will give a talk titled "A More Perfect Heaven: How Copernicus Revolutionized the Cosmos" at Brookhaven Laboratory on Thursday, December 15, at 7 p.m. in Berkner Hall. Sponsored by Brookhaven Women in Science, the talk is free and no registration is required. All visitors to the Laboratory age 16 and older must bring a photo ID.

In the talk, Sobel will discuss her recently published book, which bears the same title as her lecture. By 1514, the Renaissance astronomer Nicolaus Copernicus had a written outline of his then-considered "crazy" theory that the Sun — not the Earth — was the center of the universe. For the next three decades, Copernicus expanded his theory through hundreds of observations and compiled a secret manuscript that explained his theories, but he refused to publish it for fear of ridicule.

In 1539, a young German mathematician, Georg Joachim



Photo: Mia Baig

Rheticus, traveled to Poland to convince Copernicus to publish his "secret" manuscript, which mathematicians and scientists throughout Europe had heard about. In 1543, Copernicus agreed to publish his work on his heliocentric theory, which is now heralded as the beginning of modern astronomy and the scientific revolution.

Sobel will describe the conflicting personalities and extraordinary discoveries that shaped the Copernican Revolution. She will also discuss her play — included in her book on Copernicus — in which she imagines Rheticus' struggle to convince Copernicus to publish his unorthodox manuscript.

During her 30-year career as a science journalist, Sobel has written for such magazines as *Audubon*, *Discover*, and *The New Yorker*. She is an international bestselling author with six books to her name. Her book *Longitude* won several literary prizes, including the Harold D. Vursell Memorial...

See *Dava Sobel* on p. 2



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## THE LONG ISLAND SOLAR FARM ALL SYSTEMS ARE GO



Watch a video of the commissioning celebration on WBNL: [www.bnl.gov/video](http://www.bnl.gov/video)

In photo above from left: Gordian Raacke, executive director, Renewable Energy Long Island; Kevin Law, President, Long Island Association; Brian Beedenbender, Chief of Staff for Brookhaven Town Supervisor Mark Lesko; Michael Deering, Vice President, Environmental Affairs, LIPA; Michael Hervey, Chief Operating Officer, LIPA; Assemblyman Dan Losquadro, First Assembly District, New York; Doon Gibbs, Deputy Director for Science & Technology, Brookhaven Lab; Michael Holland, Manager, DOE Brookhaven Site Office; Michael Petrucci, Chief Executive Officer, BP Solar; Adrienne Esposito, Executive Director, Citizens Campaign for the Environment; Assemblyman Mike Fitzpatrick, Seventh Assembly District, New York; Assemblyman Dean Murray, Third Assembly District, New York

of the DOE Brookhaven Site Office, spoke next.

"The Department of Energy is pleased to have been able to provide the land here at Brookhaven National Laboratory for the Long Island Solar Farm, to test the technology, learn from it, and help develop solar energy's potential," Holland said.

DOE provided the space for the LISF at Brookhaven to attract investments from public and private sources, create jobs, encourage collaboration between agencies, help achieve objectives to strengthen America's energy security, and deploy clean energy resources.

After Holland, Brookhaven Lab's Deputy Director for Science & Technology Doon Gibbs took to the stage.

"New York State and Long Island are national and world leaders in energy science and technology, and especially in green energy. This facility proves that," Gibbs said. "We'll be able to figure out, at a much finer scale than has ever been done before, how a solar array actually works."

Brookhaven researchers will

monitor the light absorbed by the solar panels at the LISF, compare that to the electrical current that is actually produced, and look at the impact on the electrical grid, Gibbs explained. He also discussed a smaller solar array for research being built at Brookhaven. That array will be a user facility where researchers from companies, universities, and other national labs can test new components on a utility-scale array.

"When you put together vision, risk taking, and the intellect to make things happen, that's what we are as Long Islanders," said New York State Senator Ken LaValle, who spoke after Gibbs. "This has all the ingredients that political people and governmental officials like: green energy, the future, public-private partnerships."

Kevin Law, President of the Long Island Association, then told the audience, "The way we're going to meet our challenges here on Long Island is through collaborations and partnerships; we need all levels of government working together like we have here. We need the business community..."

See *LISF Ceremony* on p. 2

Below: Doon Gibbs, BNL's Deputy Director for Science & Technology, speaks to the crowd during the commissioning ceremony.



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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 may be found at [www.bnl.gov/hospitality/calendar.asp](http://www.bnl.gov/hospitality/calendar.asp).
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- 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.asp> for schedule. Jen Lynch, Ext. 4894.

**Mondays: Yogalates**

Noon–1 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

**Mondays: Pilates**

5:30–6:30 p.m. at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

**Mon. & Thurs.: Kardio Kickboxing**

\$5 per class. 12:15–1:15 p.m. in the gym (Bldg. 461). \$5 per class. Ext. 2873.

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

Noon–1 p.m., B'haven Cntr (Bldg. 30), N. Rm. Adam Rusek, Ext. 5830, [rusek@bnl.gov](mailto:rusek@bnl.gov).

**Tuesdays: Hospitality Welcome Coffee**

10:30 a.m.–noon at the Rec Hall (Bldg. 317). Meet over coffee. Children welcome. Ext. 2873.

**Tuesdays: Knitting Class**

2–4 p.m. at the Rec Hall (Bldg. 317). Learn to knit/crochet — all skill levels. Free. Ext. 2873.

**Tuesdays & Wednesdays: Zumba**

Tuesdays: Noon–1 p.m., in gym (Bldg. 461). Wednesdays: 5:15–6:15 p.m., at the Rec Hall (Bldg. 317). Registration required, Ext. 2873.

**Tuesdays: Toastmasters**

Two monthly meetings: 1st & 3rd Tuesdays, 5:30 p.m., Bldg. 463, Room 160. Guests and visitors welcome. [www.bnl.gov/bera/activities/toastmasters/](http://www.bnl.gov/bera/activities/toastmasters/).

**Tuesdays & Thursdays: Aerobic Fitness**

5:15–6:30 p.m. in the Rec. Hall (Bldg. 317). \$5 per class, or 10 classes for \$40. Kathy Schoenig, Ext. 2818.

**Tues., Wed., & Thurs.: Rec Hall Activities**

5:30–9:30 p.m. in Bldg. 317. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

**Tuesday & Thursday: Aqua Aerobics**

5:30–6:30 p.m., Pool (Bldg. 478). Registration required, Ext. 2873.

**Wednesdays: Ballroom Dance**

5:30, 6:30, 7:30 p.m., Brookhaven Center (Bldg. 30). Vinita Ghosh, Ext. 6226.

**Wednesdays: Play Group**

10 a.m.–noon at Rec Hall (Bldg. 317). Parents meet while infants/toddlers play. For events, see <http://www.meetup.com/BNL-Playgroup>, or call Ext. 2873.

**Wednesdays: Yoga**

Noon–1 p.m., B'haven Center (Bldg. 30). Free. Ila Campbell, Ext. 2206, [ilac@bnl.gov](mailto:ilac@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**

5 p.m., Brookhaven Center. First Thurs. of month. Andy Mingino, Ext. 5786.

**Thursdays: Reiki Healing Class**

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

**Thursdays: Postdoc Social Night**

6:30 p.m. ASAP Lounge (Bldg. 462). [www.bnl.gov/asap](http://www.bnl.gov/asap).

**Thursday: Judo Class**

7:30 p.m. Gym (Bldg. 461). Tom Baldwin, Ext. 4556.

**Fridays: Family Swim Night**

5–8 p.m. Pool (Bldg. 478). \$5/family. Ext. 2873.

*LISF Ceremony from p. 1*

...working with the government. We need environmentalists working with developers. We need Republicans working with Democrats. When we do work together, we're going to see more successful projects like this get off the ground."

"We're here celebrating something so amazing, a milestone in Long Island history," said Dan Losquadro, New York State Assemblyman for the First Assembly District. He also explained that this is an opportunity for research and development so this technology can enter the mainstream, not only in the desert states of the southwest United States, but across the country as well.

*Van de Water from p. 1*

...such as the New York Blue supercomputer, the centerpiece of the New York Center for Computational Sciences located at Brookhaven Lab, and computing facilities at both Argonne and Fermi National Laboratories, to make numerical computations for formulating precise theoretical predictions. Specifically, she makes these calculations using lattice quantum chromodynamics (QCD), a mathematical formulation of subnuclear interactions in which discrete points in space-time are represented by a four-dimensional lattice.

Van de Water has used lattice QCD to determine the behavior and properties of particles called B mesons and kaons. Her calculations are needed to interpret the experimental results of B-factory accelerators, including the electron-positron colliders at SLAC National Accelerator Laboratory in California and at KEK in Japan. According to Van de Water, she and others have found slight discrepancies between experimental observations at these colliders and the predictions of the Standard Model, which may be early hints of new physics, but it is too soon to tell.

Van de Water earned a B.S. in physics from the College of William and Mary in 2000, and a Ph.D. in physics from the University of Washington, Seattle, in 2005. She was a postdoctoral research associate at Fermi National Accelerator Laboratory from 2005 to 2008 before joining Brookhaven Lab as a Goldhaber Distinguished Fellow in 2008. In 2011, she became an assistant physicist at Brookhaven. Van de Water has been honored with several awards from the University of Washington, Seattle, and the College of William and Mary for her outstanding research and academic achievement. She also was a Massachusetts Institute of Technology Pappalardo Fellowships in Physics finalist in 2007.

— Diane Greenberg

*Dava Sobel from p. 1*

...Award from the American Academy of Arts and Letters and the 1997 "Book of the Year" in England. A "NOVA" documentary based on Sobel's book *Galileo's Daughter* won an Emmy, and the book was a Pulitzer Prize finalist.

A 1964 graduate of the Bronx High School of Science, Sobel received her B.A. from SUNY Binghamton in 1969. She holds honorary doctor of letters degrees from Middlebury College in Vermont, and the University of Bath, England.

Among her numerous honors, Sobel received the 2001 Individual Public Service Award from the National Science Board "for

Gordian Raacke, Executive Director of Renewable Energy Long Island, then said, "We're generating 32 megawatts of clean energy — no emissions, no greenhouse gas emissions, no sulfur dioxide, no nitrous oxide emissions — just pure clean energy provided by mother nature."

"Instead of sending our hard earned money to fuel-producing regions of the country or the world to pay for that fuel, we're keeping that money here in the local economy — employing local men and women, local labor, to make this happen," Raacke also noted.

"This is what environmentalists dream about," said

# Election Day = Sci-Ed Day at BNL

Students were off from school on Election Day, November 8, but that day, nearly 140 teachers from 11 districts went on a field trip to Brookhaven Lab. There, the teachers scoured the surface of the sun for sunspots, grew and characterized crystals, and joined in a number of other interactive workshops during the Laboratory's first-ever Sci-Ed Day.

Many schools across the country close on Election Day each year while the buildings are used as polling places for voting. Very often, school districts require that teachers use the student-free day to pursue professional development training to improve their teaching.

"What better day to invite teachers to the Laboratory to explore, meet our scientists, and learn about the cutting-edge research happening here?" asked Bernadette Uzzi, acting supervisor for the Lab's Science Learning Center. As part of the Laboratory's Office of Educational Programs (OEP), she coordinated Sci-Ed Day with help from every scientific directorate on site, and Eastern Suffolk Board of Cooperative Educational Services.

Participating teachers — who teach students ranging from kindergartners to high school seniors — began Sci-Ed Day in Berkner Hall where they were welcomed by Ken White, OEP manager, and Associate Laboratory Director for Global and Regional Solutions Gerry Stokes.

"You are going to see a lot while you are here today, but don't get overwhelmed by what we've already learned — think about how we learn it," said

## Safety Concern?

Dial 8800 for an environmental, safety, or health concern not considered an imminent danger.

fostering awareness of science and technology among broad segments of the general public." Also in 2001, she received the Bradford Washburn Award from the Boston Museum of Science for her "outstanding contribution toward public understanding of science, appreciation of its fascination, and the vital role it plays in all our lives."

Sobel's lecture engagements are numerous, and have taken her to such prestigious venues as The Smithsonian Institution, The Explorers' Club, and The New York Public Library. She is also a frequent guest on National Public Radio programs.

— Diane Greenberg

Adrienne Esposito, Executive Director of Citizens Campaign for the Environment and member of Brookhaven Lab's Community Advisory Council. "This is a transformational project, not just for Long Island but for our nation — one that takes us a step away from dirty, dangerous fossil fuels to a future for clean, safe renewable energy.

"There is no greater transformation our nation needs than to change the way we produce energy. This is what will save the planet, this is what will give us a better society and a brighter future," said Esposito before emcee Deering returned to the stage for closing remarks.

— Joe Gettler



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Scouring the surface of the sun for sunspots during the Instrumentation and the Large Synoptic Survey Telescope workshop

Stokes, whose past experience includes working on national science education standards for the National Research Council.

Teachers then hopped aboard buses and were taken to different places across the site, where BNL scientists and staff greeted them and taught workshops. BNLeers Jennifer Perez, Adam Rusek, and Mike Sivertz taught a workshop titled, "Error in Measurement"; Ali Pulecio and Mary Riotto, "Integrate and Differentiate! Balloonology"; Steve Bellavia, Sue Frank, Justine Haupt, and Paul O'Connor, "The Large Synoptic Survey Telescope"; Oleg Gang, Javier Pulecio, Dmytro Nykypanchuk, and Kaitlin Thomasen, "Nanotechnology and Solar Energy"; Kahille Dorsinvil, Debbie Lohman, and Mel Morris, "The Open Space Stewardship Program"; Carl Czajkowski and Susan Pepper, "The Physics of Homeland Security"; Howard Gordon, Derek Lowenstein, and

Gene Van Buren, "Smashing Atoms: The Past, Present, and Future of RHIC and ATLAS"; and Krystal Cole and Alex Soares, "Structural Biology and Drug Design."

Before leaving for the day, the teachers returned to Berkner Hall. Brookhaven Deputy Director for Science and Technology Doon Gibbs thanked the teachers for their participation, and discussed the importance of scientists and science educators working together to inspire students to become the Nation's next generation of scientists and researchers.

"Overall, Sci-Ed Day was a success," Uzzi said. "Many of the surveys that the teachers completed indicated that they would like to learn more about the science at Brookhaven and participate in more workshops here. I hope we can offer them similar opportunities again next Election Day and at other times throughout the year." — Joe Gettler

## Give the Gift of Science, and Fun

### Science Learning Center Gift Sale , 12/2, 9, & 16

On three consecutive Fridays, December 2, 9, and 16, from noon to 2 p.m. do your holiday shopping at the Science Learning Center, which is managed by the Lab's Office of Educational Programs, in Bldg. 935. You'll find unique gifts and fun toys for all ages.

## Essayist David Bouchier to Speak at Brookhaven Lab, 12/14

Essayist David Bouchier will give a talk at Brookhaven National Laboratory on Wednesday, December 14, at noon in Berkner Hall. Sponsored by Brookhaven Science Associates, the company that manages the Lab, the event is free and open to the public. All visitors to the Laboratory 16 and older must bring a photo I.D.

Bouchier describes himself as an unapologetic essayist. He has been writing and publishing personal essays for almost 50 years, and continues to indulge the habit as the weekly commentator for public radio stations WSHU and WSUF. "I don't seem to be able to stop," he says, "There are just so many peculiar things out there waiting to be written about."

Born in London, Bouchier worked there as a journalist and a bookseller in the 1960s and 1970s. Finding that both of these occupations involved too much hard work, he changed tracks and became an academic, teaching sociology first at the University of Essex in England and later at Stony Brook University and Suffolk County Community College in Riverhead.

Once he retired from teaching,



he took up journalism again, writing columns for many American and British newspapers and magazines. His humor column "Out of Order" appeared in the regional Sunday edition of *The New York Times* for ten years until 2003 and, since 1992, he has established a distinctively ironic voice on public radio in New York and Connecticut. He hosts a lively program of classical music and commentary called *Sunday Matinée*.

Bouchier has published six books of essays, the latest of which has just appeared under the title *Peripheral Vision: Irregular Essays from Public Radio*. For his performance at Brookhaven Lab, he will read from this collection and talk about the special pleasures of the personal essay. — Jane Koropsak





## BNLer Bob Colichio’s Idea Helps Prevent Fender Benders at Gate

On his way to a NASCAR race, Bob Colichio identified a great way to improve safety and traffic flow at Brookhaven Lab’s main gate. What was Bob’s safety solution? Watch the video online to find out: <http://intranet.bnl.gov/safety/videos/index.php?v=232>.

**Safety** makes science possible  
at Brookhaven National Laboratory  
<http://intranet.bnl.gov/safety>

## PHENIX Collaboration Celebrates 20th Anniversary — Symposium: 12/5

More than twenty years ago in September of 1991, the PHENIX Collaboration first met as RE2 (RHIC Experiment #2) group. The group adopted the name PHENIX on December 17, 1991.

A symposium will be held in Berkner on Monday, December 5, from 12:30 until 3 p.m. to celebrate the collaboration’s twentieth anniversary. Speakers — listed below — will discuss the past, present, and future of the PHENIX Collaboration.

- Shoji Nagamiya: “PHENIX past” (PHENIX rises from the ashes)**
- Bill Zajc: “PHENIX past” (discoveries in quark gluon plasma physics)**
- Yuji Goto: “PHENIX spin” (discoveries in spin physics and spin outlook)**
- Dave Morrison: “PHENIX present” (physics with our current upgrades)**
- Anne Sickles: “PHENIX future” (the physics of sPHENIX)**
- Christine Aidala: “PHENIX future” (the physics of ePHENIX)**

### Employee Lunchtime Tour, 12/9

## RHIC and the PHENIX Detector

All are invited to tour the Relativistic Heavy Ion Collider (RHIC) tunnel and the PHENIX Detector on Friday, December 9. This is the last chance to see both of these stunning facilities before access is restricted for the upcoming twelfth RHIC run.

Meet in the upper lobby of Berkner Hall at noon for this two-in-one tour. No reservations required. Call Elaine Lowenstein, Ext. 2400, for more information.

## Michael Marx Honored, 11/21

A memorial celebration for Michael Marx was held on November 21 in the Charles B. Wang Center Theater at Stony Brook University (SBU). Marx was a long-time Brookhaven Lab and SBU physicist and SBU’s Associate Vice President for Brookhaven National Laboratory Affairs.

During the ceremony, SBU President Samuel L. Stanley Jr., BNL Director Samuel Aronson, former SBU Dean of Arts and Sciences James V. Staros, with Axel Drees and Paul Grannis of SBU, Howard Gordon and Laurence Littenberg of BNL, and Robert Lanou of Brown University spoke of Marx’s life and many accomplishments in pioneering scientific projects, and his role in fostering closer ties between BNL and SBU as the Associate Vice President for Brookhaven Affairs.

The University has established an account to honor Marx’s memory. Following his wishes, proceeds from the donations to this fund will be used to offer fellowships to graduate students doing research that involves collaboration with Brookhaven National Laboratory. Donations should be made payable to the Stony Brook Foundation, and mailed to:

Michael Marx Memorial Fund  
C/O Brian Woods  
488 Administration Building  
Stony Brook University  
Stony Brook, NY 11790

## Energy-Saving Tips for the Holiday Season

DOE has some easy ways to save energy at home during the holiday season, which began last week with Thanksgiving: <http://www.doe.gov/articles/how-be-energy-efficient-your-kitchen-thanksgiving>.

## Can You Spare a Pint?

Please roll up your sleeve to give blood for patients in hospitals throughout Suffolk County, Nassau, and Queens. The next Blood Drive at Brookhaven Lab will be held on Thursday, December 15. Schedule an appointment by calling Liz Gilbert, Ext. 2315, or online: <http://www.bnl.gov/hr/blooddrive/>.

## Live United — Give United 2011 United Way Campaign Has Begun

*By Bob Lincoln, United Way Campaign Chair and Chief Human Resources Officer*

As the chair for Brookhaven Lab’s 2011 United Way Campaign, I am pleased to announce that we have begun collecting donations to the United Way of Long Island, which supports 113 agencies and charitable foundations across Nassau and Suffolk Counties.

Despite how many of us are impacted by current economic conditions, many Long Islanders remain less fortunate than we are and truly need our assistance. I hope that you will join us in this year’s United Way Campaign to help people on Long Island who need our support — including victims of domestic violence, families of deployed military reservists, the elderly, and others.

More than 110,000 Long Island children rely on food pantries every year. In the past year alone, over 16,000 children were reported as abused. United Way supports a number of agencies that help abused children, in addition to supporting agencies that assist children afflicted with conditions such as Down syndrome, autism, and multiple sclerosis.

With help from our co-chairs, core team, directorate/division captains, pillar and volunteer chairs, and countless others, we know we can meet and exceed this year’s campaign goal to raise \$145,000 — \$5,000 more than last year’s goal. Last year, the Lab actually raised \$175,015.96, the largest amount ever in its history of donating to the United Way. With your help, we can surpass that amount and really make a difference for those who need help in our community.

There are many ways to help. One of the most convenient and impactful ways to contribute is to

make a pledge using the form that was delivered to you by interoffice mail last week. We hope to get more than 450 pledges this year. Contributions are tax deductible and can be made for any amount. A weekly gift of just one dollar — the cost of a can of soda — will feed three Long Islanders a nutritious meal each week, so every dollar counts. Completed pledge forms should be sent to Liz Mogavero, Bldg. 510A.

Volunteering some time outside of work will also contribute to the campaign through the Volunteer Work Program. Participating in the holiday auction and many directorate/division fundraisers is also a fun way to get involved in the campaign.

This year, there is even a concert to benefit the United Way scheduled for tonight, December 2, in Berkner Hall. Tommy Sullivan, a Long Island Music Hall of Famer and founding member of the group Brooklyn Bridge, will play hit songs from the 1950s and 1960s. Tickets for the show are only \$5 and can be purchased from the United Way captains. One-hundred percent of the proceeds from ticket sales and 50 percent of proceeds from food and drink sales will go directly to the campaign. Wear your blue suede shoes and get ready to twist, too, because prizes will be awarded for the best 1950s/60s costumes and the best dancing.

Brookhaven Lab employees have a long history of helping others, and I ask that you join us in this effort in whatever way possible. Thank you in advance for your support and I look forward to another successful campaign this year.

“Live United — Give United,” and together we can make a difference.

## Dunk a BNLer for the United Way

Have a good throwing arm? On Friday, December 9, go to the Firehouse (Bldg. 599) between 11 a.m. and 2 p.m. and make a donation of \$5 to the United Way for three chances to dunk one of these BNLers:

- Patti Bender
- George Goode
- Mike Loftus
- Scott Bradley
- Chris Johnson
- Tom Roza
- Suzanne Davidson
- Roy Lebel
- Mike Schaeffer
- James Donohue
- Bob Lincoln
- Ken White

## Upcoming Events for the United Way

- Tonight, 12/2:** Songs of the 50s-60s! Open to all. See ad on p. 4.
  - 12/3:** California Pizza Kitchen at Smith Haven Mall. Twenty percent of sales will go to the United Way.
  - 12/5:** Asian Tea House. Noon-1 p.m. Bldg. 463, Seminar Room
  - 12/6:** C-AD Bake Sale. 9 a.m.-noon. Bldg. 911, lobby
  - 12/7-8:** Holiday Auction and Yard Sale, Jewelry & Shoe Boutique. 11 a.m.-2 p.m. Berkner (Bldg. 488)
  - 12/8:** Physics Pizza-Piazza-Palooza. Noon-1 p.m. Physics (Bldg. 510), second floor
  - 12/9:** Dunk Tank. 11 a.m.-2 p.m. Firehouse (Bldg. 599). See above.
  - 12/12:** Chili Cook-off. Noon-1:30 p.m. Bldg. 459, training room
  - 12/14-16:** Gift Wrapping. 11 a.m.-2 p.m. Berkner
  - 12/15:** Pie-in-the-Face Contest. 11:30 a.m.-12:30 p.m. Berkner
- For more information and to keep up with new fundraising efforts in the departments and divisions, see <http://intranet.bnl.gov/unitedway/>.

## AdoptaPlatoon Updates

Veterans Day was last month, but the Brookhaven Veterans Association’s AdoptaPlatoon team is still collecting supplies to support troops. Now, the team is collecting peanut butter, jelly (both in plastic containers), and freeze-dried packets of soups for the Lab’s adopted soldiers. Drop gifts in boxes located in Bldg. 490, clinic; Bldg. 400, lobby; Bldg. 488, lobby; and Bldg. 510, library. Donations will be packed on Wednesday, December 7, so please contribute before then.

## 1-1-1 Fundraising Event for Veterans on 12/5

**Monday, 12/5:** Fundraising event for Suffolk County Veteran Services Homeless Vets Shelter. Please bring one used clothing item for men, \$1, and one item of non-perishable lunchtime food or toiletries to the lobby of Berkner Hall.

## CALENDAR

Today, 12/2

**\*Concert: Songs of 50s-60s**

5-7:30 p.m. Featuring Tommy Sullivan of original Brooklyn Bridge group. \$5 tickets, and proceeds go to the United Way. See p.4.

**\*Science Learning Center Gift Sale**

Noon-2 p.m. Holiday shopping at the Science Learning Center (Bldg. 935). See p.2.

— WEEK OF 12/5 —

**Monday, 12/5**

**\*1-1-1 Fundraiser for Homeless Vets**

11 a.m.-2 p.m. Proceeds to benefit the Suffolk County Homeless Vets Shelters. See below.

**Asian Tea House for United Way**

Noon-1:00 p.m. Bldg. 463 in Seminar Room 157.

**PHENIX 20th Anniversary Talks**

12:30 p.m.-3 p.m. Berkner Hall. Open to the public. Visitors to the Lab age 16 and older must carry photo ID.

**Wednesday, 12/7**

**\*United Way Holiday Auction, Yard Sale, Shoe Boutique**

11 a.m.-2 p.m. in Berkner (Bldg. 488). See below.

**Thursday, 12/8**

**\*United Way Holiday Auction, Yard Sale, Shoe Boutique**

11 a.m.-2 p.m. in Berkner (Bldg. 488). See below.

**Friday, 12/9**

**\*Dunk A BNLer for the United Way**

11 a.m.-2 p.m. at the firehouse (Bldg. 599). See below.

**\*Science Learning Center Gift Sale**

Noon to 2 p.m. See p.2.

**\*Employee Lunchtime Tour: RHIC & PHENIX Detector**

Noon-1 p.m.. Meet in lobby of Berkner Hall. See p.3.

**WEEK OF 12/12**

**Wednesday, 12/14**

**\*Talk: Essayist David Bouchier**

Noon in Berkner Hall. See p.2.

**Thursday, 12/15**

**\*Talk: ‘How Copernicus**

**Revolutionized the Cosmos’**

7 p.m. in Berkner Hall, Dava Sobel. See p.1.

**Friday, 12/16**

**\*Science Learning Center Gift Sale**

Noon-2 p.m. See p.2.

**WEEK OF 12/26**

**NOTE: No IBEW Meeting in December 2011.**

Date for January 2012 meeting to be announced.

## Arrivals & Departures

— Arrivals —

Kjeld Oleg Eyser ..... PO  
Wah-Keat Lee ..... PS  
Meng Li ..... CO  
Chengbao Ni ..... ST  
Suzanne Smith ..... AD  
Matibur Zamadar ..... CO

— Departures —

Patricia Bonadonna ..... HP  
Hyung Chul Kim ..... ST  
Yasuo Matsubara ..... CO  
Yuchen Miao ..... BO  
Kathrin Mueller ..... NC

## Voice Mail System Change at BNL

The Information Technology Division will switch voice mail services to a new system on December 9. There are a few simple steps that everyone who uses Lab voice mail must take to ensure uninterrupted access during the transition.

Get details online: <http://intranet.bnl.gov/memo/mm.asp?IssueId=206&StoryId=5>.



## 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/](http://www.bnl.gov/HR/jobs/).

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

**LABORATORY RECRUITMENT** - Opportunities for laboratory employees only.

**CUSTODIAN POSITIONS (LG-1)** (Temporary) - Under general supervision, performs general cleaning and housekeeping duties in all Laboratory buildings. Site Resources Division. Please apply to Job ID #15957.

### Motor Vehicles

07 CHRYSLER 300 – 29K mi. 300C hemi rear wheel dr, Black w dark slate int, perf seats (heated), 5.7 Liter Hemi, SRT design, nav system/GPS, 6CD/MP3, Lifetime Sirius Radio, sunroof, 20" SRT wheels. \$20,000 neg. Roddy, 516-314-4091.

06 JEEP WRANGLER – 26K mi. a/t, 4x4, silver w/black cloth int, cd player, soft top v/gd cond. \$16,000 neg. jen, 926-4935 or jensen13mj@aol.com.

2003 FORD SE FOCUS WAGON – 75K mi. automatic, ABS, AM/FM stereo, CD/MP3 player, roof rack, dual front air bags, AC, good condition. \$6000. Nick, Ext. 2490.

01 SAAB 9-3 SE CONVERTIBLE 2D – 127K mi. clean title, feels like new, KBB/\$5700, a/t, fwd,abs 4-wheel, a/c, CD, dual and side air bag, heated leather seats, Anti-Theft Alarm system. \$3,800 neg. Michael, 682-8182 or Michael.Mitrovski@bnl.gov.

98 HONDA CIVIC – 143K mi. manual tranny, less than 2yrs old clutch, tuned up, changed timing belt and water pump, new brakes, all work performed less than 6/mos, great buy. \$2,500 neg. Warlyn, Ext. 3633.

94 HONDA ACCORD – 159K mi. 2 dr, a/t, a/c, new tires/timing belt/crank shaft/watr pump/thermo, brakes/ignition/dist cap, v/well maint, gd cond. \$2,500 neg. Trisha, 804-5394.

88 CHEVY K5 BLAZER – 146K mi. silver/gray full w/gray int, 350TBI new tranny, front/rear brakes and top end, runs like new, 33" mickey thompsons. \$1,350 neg. William, 484-9888 or wflielitz@gmail.com.

### Motor Vehicle Supplies

MIATA CAR COVER – excel perfect fit, used a couple of times, \$25. Susan, 929-0596.

TOOL BOX – Weather Guard Steel Tool Box for truck bed, black, used, pd/\$700, ask/\$300/neg, pics avail. Caitlin, Ext. 7432.

### Furnishings & Appliances

3PC ITALIAN SOFA SET – white leather w/loveseat & chair, mint cond, u-pic-up in Riverhead, pic avail, \$800/neg. Kim, Ext. 2896, 399-3098 or khayes@bnl.gov.

BABY CRIB/PLAYARD PORTABLE – Natures Purest w/full size bassinet & bumper, changing table, sheets & musical, like new, great for overnight stays, sitters and vacations, pix avail upon request/\$100. Kim, Ext. 2896, 399-3098 or khayes@bnl.gov.

BABY ITEMS – White Wood Crib in excel cond/\$100, metal ft petal gates/\$30, Pack and Play \$35, miscellaneous children's toys age 0-3 prices/Neg. Matthew, Ext. 3716 or milardo@bnl.gov.

BEDROOM SET – for girl or boy, medium oak wood, high and low dresser, gd cond/\$500. Donna, Ext. 2716, 878-2425 or storan@bnl.gov.

COMPUTER DESK – Desk with add'l platform for computer screen, wheels. Light-wood finish, approx. 33"h, 34"w, 23"d. Very good cond. Easy to move, assemble. \$30. Joe, Ext. 3584.

DINING ROOM SET – extra lg w/china cabinet, 2/leaves, custom table pads, opens/109", 2 arm chairs, 6 side chairs, china cabinet w/glass upper/lighting, bottom has storage, sacrifice/\$1750, may split up. ken, 767-5205 or wflielitz@bnl.gov.

FREEZER – Imperial Heavy Duty Commercial Freezer 20.8 cu ft, excel cond/\$1000. 678-3299 or dgbdoug@gmail.com.

GE PROFILE WASHER AND DRYER – 8 yr old GE washer/gas dryer, gd cond, located near lab in Manorville, ask/\$250/both. Matthew, 255-6364 or magpainting@optonline.net.

MAHOGANY POOL TABLE – beautiful 8" w/leather pockets, accompanying wall rack/2 bar chairs w/arms/bar table, orig/5k, sacrifice/\$1650, may split up set. Ken, 767-5205 or wflielitz@bnl.gov.

REFRIGERATOR – GE, 18.6 cu ft, top freezer, Bisque color, excel working cond, v/clean, Owners Manual incl, pics avail upon request/motivated seller price reduced to \$65/firm, MUST GO!. 363-6561 or brookhaven@optonline.net.

TV CABINET – medium oak, gd cond, \$100. Donna, Ext. 2716, 878-2425 or storan@bnl.gov.

TVS – 20" Panasonic used TVs, great shape. Two available. \$25 each. Kris, Ext. 7850 or duryea@bnl.gov.

WHIRLPOOL WASHER AND DRYER – front loading HE washer and standard dryer, both 7 yrs old, in gd cond, \$75/ea. Ext. 5132.

### Audio, Video & Computers

DROID ERIIS FOR VERIZON – gently used, mint cond, Android 2.1 OS, 3G capable, wall+car charge/\$100/obo. Harold, Ext. 8173 or hsegura@bnl.gov.

INKJET PRINTER – all in one HP PhotoSmart Premium touch screen, in box/\$70. Lois, 375-7264 or lobob12@optonline.net.

MUSCIANS SALE – Mesa Boogie Nomad45 2x12 45watt all tube amp excel cond/\$400, Fender Power Chorus, 2X12, 150 watt, solid state, used hard, still sounds great/\$100, Ibanez RG570 gd cond/\$150. Thomas Flanagan, Ext. 5010 or tomflanagan1997@hotmail.com.

### Sports, Hobbies & Pets

BAMBOO FLY ROD – Vintage Cane, J.A Walker, ALN Rod Works, Alnwick England 8' 7" 6/7 wt, great for trout and bass, Agate stripper and tip, intermediate wraps great gift, ask/\$125. Scott, sbranson@bnl.gov.

ELECTRIC GUITAR – Epiphone Special II. Ebony, new/never used, Autographed by Joe Bonamassa/\$200. 878-1303.

BOWFLEX MOTIVATOR – w/lat pulldown & leg extension/\$400. Ext. 5873.

ROWING MACHINE – Spartan rowing machine. Excellent condition. \$100. Picture available. Kris, Ext. 7850 or duryea@bnl.gov.

### Tools, House & Garden

14" WOOD WORKING BANDSAW – MSC brand w/base, gd working cond, approx \$500/new, ask/\$300. James, Ext. 7079.

LEAF VACUUM – w/Twig Chipper, made by Patriot, needs air filter, \$250. 375-2680.

SNOWBLOWER – '05 ARIENS 1332 Pro like new! 13hp, 32" 2/stage snow blower, elect start, halogen headlight, hand warmer, ask/\$950. Tony, Ext. , 973-609-3083 or tlee@bnl.gov.

### Miscellaneous

6 PANEL DOORS – 2/white 30x80, 1/right hand inswing, 1/left hand inswing, w/ moldings, b/o over \$40, takes them. Colleen, Ext. 4919.

AMERICAN GIRL DOLL – American Girl of the Year 2010 "Lanie" excel cond, no longer avail on American Girl site, \$85/neg. 803-0147.

AUDI AND VOLKSWAGON REPAIR – Certified VW tech w/7 yrs dealer experience, all types of repairs, maintenance to eng diag, dealer parts only, no cheep after-market, email/call for estimate. William, 484-9888 or wflielitz@gmail.com.

BABY WALKER – Pink w/sounds/lights, like new/\$25. Kim, Ext. 2896, 399-3098 or khayes@bnl.gov.

BASINETT – like new cond/\$50/neg. Ann Marie, Ext. 7007, 849-3411 or luhrs@bnl.gov.

CHRISTMAS TREE DECORATOR – Holidays are busy enough, so why not let a professional decorate your real/fake tree. Price varies by size, average cost is \$75. Can purchase ornaments if needed. 10% off referrals. Brittany, 384-2467 or white\_brittany1@yahoo.com.

COSTUMES – new or gently used for 3-yr-old to play dress-up games. Susan, Ext. 5979.

DICKENS VILLAGES, HO TRAINS – more than 65 major houses, many accessories, also HO Train sets; reasonable prices. 871-3533.

EPIPHONE EMBASSY BASS – 5 string, walnut finish w/hard case mint cond/200. John, jladore@bnl.gov.

KING COMFORTER SET – Chris Madden oversized, incl comforter, dust ruffle/2 King shams/2 Euro pillows, 1/sq & 1/rect pillow, 2 matching valances, excel cond, rust color, new/\$500, ask/\$175. Lois, 375-7264 or lobob12@optonline.net.

QUEEN COMFORTER SET – Croscill, incl reversible floral comforter, bed shirt, 2 shams, 2 pillows, matching waste bskt,...



Concert to Benefit the United Way

## Songs of the 50's-60's

From The Beatles to Sinatra and more!

Featuring  
**Tommy Sullivan**

Founding member of the  
original group Brooklyn Bridge  
and Long Island Music Hall of Famer



Friday, December 2, 2011

5 – 7:30 PM (doors open at 4:45)

Berkner Hall

*Wear Some Blue Suede Shoes and Do the Twist*

Prizes awarded for best 1950s/1960s costumes, and the best dancing

**\$5** per ticket

All proceeds from tickets and 50% of food and drink sales will go to BNL's 2011 United Way Campaign.

This event is open to the Lab community, family, and friends!  
All visitors age 16 and older must bring photo ID.

Tickets are available through the United Way Campaign Captain for your department/division: <http://intranet.bnl.gov/unitedway/captains.asp>.

...lamp shade, round side table scarf, excel cond/\$75. Lois, 375-7264 or lobob12@optonline.net.

THERAPEUTIC MASSAGE – relax, relieve muscular tension, balance mind, body & spirit, receive \$20/off your 1st treatment, appointments pls call Kateri J. Drake L.M.T Renovamassage.com. 508-360-8633 or kateridrake@yahoo.com.

### Happenings

HOLIDAY BAZAAR AND CRAFT FAIR – Sat, Dec 3, 10am-4pm, St Andrew's Episcopal Church, East Main St, Yaphank. Hand-made items, holiday treats, raffles and much! Proceeds to benefit community outreach. info@standrewsyaphank.org.

UNITED WAY FUNDRAISER – Pampered Chef Cookbooks, only \$10/ea, Seven to choose from, great grab bag, teacher, or host gifts! \$2.50 from each book will be donated to The United Way, order by 11/28. Dawn, Ext. 2463 or schick@bnl.gov.

### Free

COLOR TELEVISION – RCA 21 inch conventional CRT w/remot, gd cond. Hans, Ext. 5116, 395-9899 or hansa@bnl.gov.

FIREPLACE DOORS – brass, bi-fold, mesh screen, gd cond, u-pic-up in Wading River. Lois, 375-7264 or lobob12@optonline.net.

PIT BULL – sweet, non-aggressive, mellow, listens well, loves attention, kids, & other dogs, housebroken, all shots, spayed, about 1.5 yrs old, 40 lbs, black, found abandoned in my yrd. Kathleen, Ext. 7114.

### Wanted

ADOPT-A-PLATOON – Monetary donations gratefully accepted towards mailing shipments to our platoon stationed overseas and to send goodie packages to BNL family members. Thank you. Joanne, Ext. 8481.

BNL FAMILY MEMBERS IN MILITARY – If you have a family member that has been deployed overseas, please contact...

...Adopt-a-Platoon so we may send them a goodie package. Joanne, jrula@bnl.gov.

LADDER – 20 ft and/or elect chainsaw. Amber, Ext. 4056.

WARM WINTER ITEMS – THREE ISLAND INN Soup Kitchen needs new or gently used winter coats, hats, gloves, sweaters & blankets for our guests in Middle Island & local surrounding communities. Barbara, royce@bnl.gov.

ZUMBA TAPES – that you no longer use or want. Cynthia, Ext. 7433.

### For Rent

SPRING HILL, FL – priv ranch on Gulf, 70m Orlando, 45m Tampa, fly Islip direct, near beach/tennis/park, SW architecture, 3/bdrm, 2/bath, d/r, f/p, 2gar, igr in lanai, fruit trees, see review.oktane.net/House-Tour. \$950/mo. 344-5537.

MASTIC BEACH, NY – 4 bdrm ranch, full bath, fend yd, full bsmt, 10 mins from lab. \$1,600/mo. Daniel, Ext. 7658, 495-2596 or aheard@bnl.gov.

MASTIC BEACH, NY – 1 bdrm apt, kitch, l/r, priv ent, all utils incl. \$1,100/mo. George, 375-4400 or gottschalk@bnl.gov.

MIDDLE ISLAND, NY – lg 1/bdrm bsmt apt, pvt ent, phone, cable, int, strictly no pet/smkg, quiet, all incl, close to Lab, BNL/Story Brook Univ, employee only, 1 mo sec. \$850/mo. Istvan, Ext. 7020, 672-2451 or dioszegi@bnl.gov.

MIDDLE ISLAND, NY – lg 1/bdrm apt, l/r, full kitch w/all new applis, full bath, lg closets, utils incl, priv ent, off st prkg. \$1,000/mo. Boyzle, 786-3620.

RIDGE, NY – 1 bdrm, kitchenette, full bath, l/r, sep ent/prkg, quiet neighborhd, no smkg/pets, in apt, mins to Lab, bikeable!. \$975/mo. Lynne, 924-0002.

ROCKY POINT, NY – Legal 2nd flr 1 br apt, nw full bth, huge eik, l/r, 18 min to BNL, priv ent, quiet st, no smkg, access to priv beach, Incl water, heat, cable TV & wireless int, 1st mo & 1 mo sec @ signing. \$975/mo. Kim, 494-5474 or TidesApt@gmail.com.

ROCKY POINT, NY – 1 bdrm apt, with... ..dining r./full kitchen/living r./bath, Priv ent/deck&yard, off-str prkg, 15 min to BNL, Washer/Dryer/Dishwasher, heat/elec not incl, nice for single/couple, no smkg/pets, avail Dec 1st. \$1,150/mo. 849-3061 or mcappasso@yahoo.com.

ROCKY POINT, NY – spacious Co-Op Apt/800sq+, 1 bdrm w/S/N windows, w/ patio, lg bath, lg kitch w/side window, lg l/v, new cac/heat, no smkg/pets, incl water/gas/heat/cac, 8 mi to BNL, walk to shop. \$1,000/mo neg. 598-9928 or nabdwang@gmail.com.

SHIRLEY, NY – ex lg-ig shape bsmt apt, sep ent, kitch, full b/r, w/d, walk-in cedar closet, no smkg, less than 5 min from Lab, avail Dec 1st. \$900/mo neg. Christine, Ext. 2500.

SHOREHAM, NY – Cozy 1bdrm apt on beautiful tree-lined street, 8 min from lab! Cathedral ceilings, w/w cpt, kitch/lr combo, bath, b/r, incl utils, sec + 1st mo + refs. \$850/mo. Susan, slattuca@bnl.gov.

SHOREHAM, NY – share a hse w/professional, lg furnrd bdrm, cable TV, int, no smkg/pets, 8 mi to BNL, avail Now, cell:578-0108. \$625/mo. 744-3543 or gell19582003@gmail.com.

### For Sale

SPRING HILL, FL – priv ranch on Gulf, 70m Orlando, 45m Tampa, fly Islip direct, near beach/tennis/park, SW architecture, 3/bdrm, 2/bath, d/r, f/p, 2gar, igr in lanai, fruit trees, see review.oktane.net/House-Tour. \$125,000 neg. 344-5537.

RIDGE, NY – Leisure Village, Cambridge unit.2 bdrms, 1 bath, 1 car gar, new stove, microwave, dishwasher, kitch flr, move in ready. \$119,900 neg. Rolf, 839-3082 or rolf@bnl.gov.

### In Appreciation

Many thanks to my co-workers & friends for participating in the Thanksgiving "Sponsor-A-Bag" for the guests at Three Island INN soup kitchen. They were all greatly appreciative for everything they received. – Barbara Royce