

At PPPL THIS WEEK

TUESDAY, APR. 28

Lunch and Learn
12-1 p.m. ♦ MBG Auditorium
Info session on phasing out Postini

Colloquium
4:15 p.m. ♦ MBG Auditorium
**Antibiotic Resistance:
A Global Challenge**
Dr. Ramanan Laxminarayan,
Princeton University, Princeton
Environmental Institute

WEDNESDAY, APR. 29

Lunch and Learn
10-11 a.m. ♦ MBG Auditorium
Info session on phasing out Postini

Colloquium
4:15 p.m. ♦ MBG Auditorium
**The NASA Planetary
Science Program**
Dr. James Green, NASA

THURSDAY, APR. 30

Lunch and Learn
2-3 p.m. ♦ MBG Auditorium
Info session on phasing out Postini

UPCOMING

MAY 4-7

**Plasma Material Interface
Workshop**
Lab-wide

TUESDAY, MAY 5

NSTX CD 4 Review
B318

MAY 5-6

**EU-US ITER Diagnostic
Engineering Workshop**
Director's Conference Room

MAY 5-7

Tritium Focus Workshop
MBG Auditorium

FRIDAY, MAY 15

**Remembrances of
Val Logsdon Fitch**
Princeton University Physics
Department
See page 6 for more information.

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Food for thought at PPPL's Earth Day celebration

By Jeanne Jackson DeVoe

PPPL's 45th Earth Day celebration offered PPPLers a wealth of information about sustainable practices, the impact of our nation's dependence on fossil fuels, and how New Jersey is preparing for climate change.

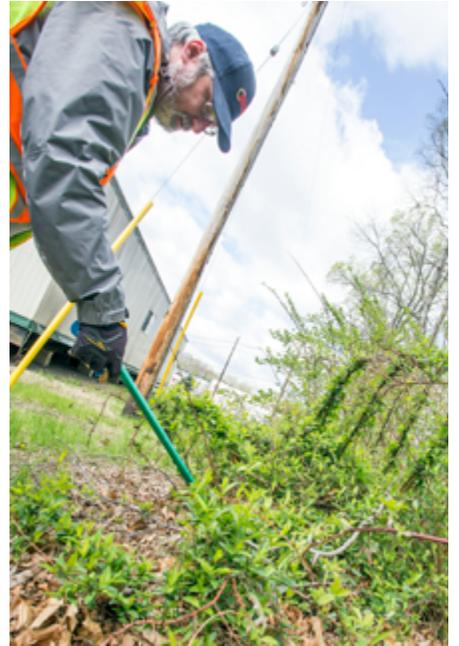
The day-long events included the presentation of the annual Green Machine awards to departments and individuals who have found ways to help keep the Laboratory green. This year, for example, the award recognized Debbie Parente and Marissa Zara, both from the Procurement Department, and several others who organized the Jan. 14 shredding event for the Laboratory, in which people shredded sensitive documents. In the past two years, the event recycled four tons of paper and saving the equivalent of 69 trees with that effort.

The Brock cafeteria staff, led by Chef Mark Gazo, won an award for working with PPPL to find recyclable products for the cafeteria and for composting, resulting in 12,000 pounds of recycling and composting.

The janitorial group received awards for sorting through recycling, composting, and trash bins to make sure that all materials are disposed of properly. Since 45 percent of compostable and recyclable items have been incorrectly disposed of with trash, the group's efforts have significantly raised PPPL's recycling and composting rates. "Without them we wouldn't succeed in getting the amount of recycling we get collected," said Michael Zarnstorff, deputy director for research, who served as mater of ceremonies for the event.

Jonathan Menard, the program director for NSTX, and Joanne Savino, his administrative assistant, received a Green Machine award for replacing hard copies of research reports in 4-inch binders for various reviews with slides and presentations on a USB drive, thereby saving 16,000 pages of paper.

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Bill Slavin cleans up the PPPL grounds during the Earth Week cleanup April 23.

PPPL recognized for green electronics purchasing program

By Jeanne Jackson DeVoe

PPPL has won a national award from the Green Electronics Council for its program to purchase environmentally sustainable electronics.

Kristen Ferraro, a systems administrator at PPPL, accepted the three-star EPEAT Purchaser Award, the organization's highest honor for the new awards, during an Earth Day ceremony at the Department of Energy's headquarters in Washington D.C.

EPEAT® is a worldwide rating system developed by the Green Electronics Council, based in Portland, Oregon, which is aimed at promoting the use of greener electronics by rating not only how much energy an electronic device uses but also how easily it can be reused or recycled.

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By Marc Cohen

PPPL will be migrating off of Postini, a labwide email message security and archiving solution, to a smarter, more advanced system embedded within Google Apps. The change is going to take place on April 30.

One of the welcome advantages of using a system directly integrated with Google Apps is that staffers no longer have to work in two environments and maintain separate usernames and passwords. Users will now be able to manage their spam directly inside of Gmail rather than having to leave their email and login to Postini.

Additionally, Google Apps utilizes technologies that are far superior to that of Postini. One of these technologies allows the spam filters to automatically adjust to better suit each individual users preference.

To prepare for the transition, there are several key changes that users should be aware of:

- 1) Users are no longer going to receive a daily digest listing the messages Google thinks are spam. Instead, users will receive these messages in real time and will be able to review them by looking in the spam label or folder.
- 2) Users no longer have approved and blocked sender lists. Instead, users can create filters and/or contacts to let Google know which senders should be blocked and which should be approved.
- 3) Users will no longer be able to change the overall spam filter strength. Instead, Google will automatically learn and adjust based on their actions.

To learn more about the changes, staffers can attend one of the following sessions, all given in the MBG Auditorium:

Tuesday, April 28, from noon to 1 p.m.

Wednesday, April 29, from 10 a.m. to 11 a.m.

Thursday, April 30 from 2 to 3 p.m.

EPEAT award

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Of 211 electronic devices purchases by PPPL in Fiscal Year 2014, including laptops, desktops, workstations, monitors, tablets, and thin clients (a terminal attached to a large server), 174 met EPEAT's highest standards. That means that the devices use less energy and that they can be donated or parts can be recycled when the Lab can no longer use them.

Robert Sheneman, head of PPPL's Environmental Services Division, said he was pleased that the Laboratory was recognized for promoting the purchase of greener electronics in large purchasing contracts and encouraging employees to do so with smaller purchases through P cards.

"Hopefully, it highlights to employees the importance of these environmentally preferable products when they make purchases and the need for different parts of the Laboratory to work together to meet these goals," Sheneman said.

Sheneman said the award was particularly gratifying because it focused on current practices at the Laboratory. PPPL's long-standing environmental program often isn't recognized because awards mostly focus on new programs or environmental achievements, he said.

Sheneman singled out the IT and purchasing departments for practices that led to the award. "The IT group and the procurement folks have been very supportive and worked together with us," Sheneman said. "It really has been a collaborative effort." 



Kyron Jones uses a forklift to lift a container of old electronic devices following the UNICOR electronics collection on Earth Day April 22. PPPL's received an environmental award for its program to purchase greener electronic devices and recycle and reuse electronics.

Earth Day

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Members of the Green Team show off their Earth Day tee shirts. From left to right: Dana Eckstein, Mark Hughes, Robert Sheneman, Virginia Finley, and Margaret Kevin-King. Missing are: Leanna Meyer, Jeanne Jackson DeVoe, Ed Jenkins, Kate Morrison, Mark Gazo, and Joanne Bianco.

Diane Landis, executive director of Sustainable Princeton, a community environmental group in Princeton gave brief remarks about Princeton's environmental programs, which include - curbside organic waste program, an energy-smart homes program, and a new zero waste program. Landis said people can pursue a variety of sustainable activities ranging from simply bringing reusable bags to the grocery store to composting. "It's all about change," she said. "Just as the Princeton Plasma Physics Lab is all about changing how we use energy, we're all about changing habits."

Colloquium on how New Jersey is preparing for climate change

Jeanne Herb, associate director of the Environmental Analysis and Communications Group at Rutgers University's Edward J. Bloustein School of Planning and Public Policy, delivered a special Earth Day colloquium on how New Jersey is preparing for climate change. The group has come up with a wealth of information on how New Jersey is affected, and could be



Diane Landis, the executive director of Sustainable Princeton, a local environmental group, tells PPPL'ers about her group's activities.



Dina Christie and her son Dylan, 11, help out with the cleanup.

affected in the future, by climate change. "We know that climate change will have a serious impact," Herb said.

Climate change will have wide-ranging effects on the weather that go beyond hurricanes and could include extreme heat and drought. This could affect not only shorelines but also vulnerable populations, such as senior citizens and disadvantaged people. Climate change will also affect workers' productivity by increasing the rate of illness due to allergies and cardiovascular problems. The transportation of goods and agricultural products could be affected as well.

Herb said a coalition led by former governors Thomas Kean and Jim Florio, consisting of experts in public health, land preservation, water-supply management, transportation, industry and agriculture has come up with 45

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Earth Day

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recommendations and 30 supporting reports. The work aims at establishing a statewide policy that integrates science-based standards for dealing with climate change and a state policy based on programs in seven other states.

Progress has been slow, Herb said. "What we're starting to see is that we need to look at how to prepare New Jersey for climate change and we also need to address the problem," she said. Some tools, consisting of maps that show the risks to various communities in New Jersey, are available at www.prepareyourcommunitynj.org. Reports by the Environmental Analysis and Communications Group are available at <http://eac.rutgers.edu>.

The coalition will continue to present its research on the impact of climate change. It also plans to do more outreach and education and to offer ideas for best practices at the community level. And the group will offer more tools to help small businesses that are affected or could be affected by climate change.



Chris Cane helps out with the cleanup.



Kim Beringer, left, and Kim Shidlowski, look at Earth Day exhibits in the LSB lobby.

Lunchtime video on the military and oil consumption

Earlier in the day, PPPL'ers watched a lunchtime video premiere of "The Burden," a video by filmmaker Roger Sorkin about how the U.S. military and the country are affected by the vast amount of oil we consume. The video detailed how much of recent wars and military operations have been centered on ensuring that the world has an oil supply and how the military budget grew to \$16 billion by 2012. PPPL'ers enjoyed a chocolate pudding snack and pretzels during the video.

"We are going to see our backs up-against-the-wall if we don't change our energy dependence," Vice Admiral Philip Cullom, deputy chief of Naval Operations for Fleet Readiness and Logistics, says in the video.

Building and Grounds Supervisor Margaret Kevin-King, a member of the Green Team, which organized PPPL's Earth Day program, said the video gave her and others at the Lab a lot to think about. "The movie was excellent," she said. "When I pump my gas, I have to be thinking about what the guys and gals in the military are doing – their experiences. That's what Earth Day is about, creating awareness, and letting us know how we can be sustainable. Every little bit counts." 



Winners of the Green Machine awards. From left to right: Stanley Reece, Margaret Boateng and Debra Anderson, janitorial group; Tim Conwell, Andrew DeCaro, Martin Umana, Andrew Salmon, Nelson Neal, Spencer Holcombe, Debra Parente, Marissa Zara, in pink, and Dana Eckstein, front row in blue, organizers of the records shredding event; back row behind Zara and Eckstein: Jon Menard and Joanne Savino, NSTX-U; Brock Cafeteria chef Mark Gazo and his staff: Maria Castillo, Steven Moyer, and Suzann Kirkley.

Earth Day



Volunteers for PPPL's April 23 Earth Week cleanup assemble in front of the LSB Building.



Daren Stotler, a member of the PPPL Bike Challenge, shows his bicycle to Carol Ann Austin, Chris Cane, and Dave Johnson.



Arlene White, back row, poses with Martine Pelletier, left, and Ashley Maddox, of Pomerantz Office Furniture, who had a table in the lobby.



Julia Toth reaches for trash caught in a tree as Fran Cargill looks on.



Mike Bernardo with Margaret Kevin-King, far right, and her daughter Brianna, who helped out with the cleanup.

Remembrances of Val Logsdon Fitch (1923 -2015)

Friday May 15, 2015

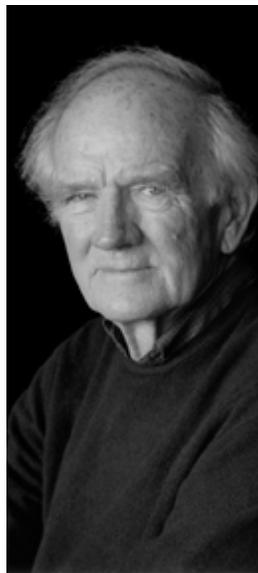


Photo © Mariana Cook 2003.

The Princeton Physics Department is hosting a day of events on Friday May 15, in celebration of Val Fitch's extraordinary life and accomplishments. We very much hope you will be able to join us - for more information please take a look at the University website: <http://www.princeton.edu/main/news/archive/S42/92/81176/index.xml?section=announcements>

Also, please forward this announcement to others who may be interested.

The day will begin with a symposium of colloquium-level talks in Jadwin Hall, on the approximate theme "CP Violation past, present and future."

The afternoon program, for the general public, will take place in Richardson Auditorium in Alexander Hall, featuring a concert interspersed with tributes, to be followed by a reception in the adjacent Mathey College Common Room. Please register on the following website, to give us an idea of how many people will be coming: <http://phy-webserver.princeton.edu/indico/internalPage.py?pageId=0&confId=4>

An obituary of Val Fitch is available at: <http://www.princeton.edu/main/news/archive/S42/32/62C77/index.xml?section=topstories>.

Science Symposium, Room A10 Jadwin Hall

10 a.m.

Coffee, foyer in front of Jadwin A10

10:15 a.m.

Val Fitch as scientist and human being

Stewart Smith, Princeton University

10:30 a.m.

The Discovery of CP Violation: Remembrances after 50 years!

James Cronin, University of Chicago

11:15 a.m.

Break

11:30 a.m.

CP Violation in the 21st Century

Hassan Jawahery, University of Maryland

12:15 p.m.

CP Violation and Cosmology

Edward Witten, Institute for Advanced Study

12:50 p.m.

Lunch - list of suggestions will be provided

Memorial Concert and Tributes, Richardson Auditorium, Alexander Hall

2:30-3:45 p.m.

Speakers: Linda Fitch, James Cronin and Alan Fitch

Musical Selections — Salomé Chamber Orchestra, New York

- Bach, Suite #3 in D Major, Adagio
- Schubert, Quintet in C Major, Movement 1
- Schubert, Quintet in C Major, Movement 2
- Händel, Xerxes -- Ombra mai fu

4:00-5:30 p.m.

Light reception, Mathey College Common Room

COLLOQUIUM

Antibiotic Resistance:
A Global Challenge

Dr. Ramanan Laxminarayan
Princeton University
Princeton Environmental Institute

The NASA Planetary Science Program

Dr. James Green
NASA

Tuesday, April 28

4:15 p.m. (coffee/tea at 4 p.m.), M.B.G Auditorium, Lyman Spitzer Building

Wednesday, April 29



Irene Raftopoulos, age 9, has a truly hair-raising experience with the Van De Graaff generator as Luis Delgado Aparicio looks on during plasma demonstrations in the LSB lobby given by the Science Education staff for Take Your Children to Work Day on April 23.

Contact **Elle Starkman**, estarkma@pppl.gov if you would like a link to Take Your Children to Work Day photos.



Science Education's Arturo Dominguez speaks to a physics student at Howard University. Dominguez and Atiba Brereton, an engineer at PPPL, visited the campus on April 14 where Dominguez introduced students to plasma physics and discussed internship opportunities.

Join PPPL's bikers during the May Bike to Work Challenge

May is National Bike Month and PPPL is once again urging bikers of all kinds to leave their cars at home and bicycle to work as part of the Bike to Work Month Challenge from May 1 to May 31, hosted by the Cascade Bicycle Club.

To join, all you have to do is sign up at <http://tinyurl.com/k6huwz7>. You'll be invited to join one of PPPL's teams and to register on the Bike Month Challenge website. The website will be used to track your bike rides during May and that information can be used to tally the number of miles ridden, number of new

riders, and how much PPPL's bike riders saved in carbon dioxide emissions.

PPPL's Bike to Work group is planning a "Bike Maintenance 101" clinic with Princeton University's CycLab campus bike shop and a gathering at the end of the month to celebrate the Bike to Work Challenge.

For more information, please contact Rob Sheneman at ext. 3392.

SPD Tip

Deliveries at PPPL

The official hours of the Receiving Department for any and all deliveries made to PPPL are from 7:30 a.m. to 4 p.m. Immediately upon arrival, all deliveries must be processed through the Receiving Department to ensure that items coming on site are, in fact, for PPPL, are not damaged, and are the correct quantity purchased.

If a delivery must be made BEFORE or AFTER these operating hours, please contact Spence Holcomb (Ext. 3568) or Fran Cargill (Ext. 3396) to ensure a successful delivery.

Items that are purchased by PPPL (and sometimes collaborators) must be tracked and verified against the purchase order system, which is managed by the Receiving Department. For safety reasons, packages must be examined for restricted, forbidden and unauthorized items. The Receiving Department is the second line of defense after Booth 6 to screen for suspect packages.

Delivery times can often be affected by natural circumstances or a driver may simply get lost. If a delivery does arrive after 4 p.m., the Booth 6 officer will call Receiving to inquire if an exception can be made. If there is not a Booth 6 officer available, there is telephone at the Booth that will connect the driver to the PPPL Communications Center, at which point the dispatcher will contact Receiving. Receiving will allow late deliveries if operationally feasible.

Please continue to complete the Site Access Notification form for all deliveries and include a primary and alternate contact phone number so that your delivery is not held up at Booth 6. For any questions concerning a delivery, please contact Spence Holcombe at Extension 3568.

<http://www-local.pppl.gov/SiteAccess.html>

BROCK

MARK GAZO
Chef Manager



BREAKFAST 7 a.m. • 10 a.m.
CONTINENTAL BREAKFAST 10 a.m. • 11:30 a.m.
LUNCH 11:30 a.m. • 1:30 p.m.
SNACK SERVICE until 2:30 p.m.

	Monday April 27	Tuesday April 28	Wednesday April 29	Thursday April 30	Friday May 1
COMMAND PERFORMANCE Chef's Feature	Cajun Chicken Fettucine	Italian Vegetable Stew with Brown Rice & Herbed Green Beans	Flank Steak Pepperonata served with Cilantro Smashed Potatoes	Glazed Ham with au Gratin Potatoes & Green Beans	Teriyaki Salmon Rice Bowl
Early Riser	Ham & Cheese Breakfast Quiche	Asparagus & Cheese Omelet with Home Fries	Corned Beef Hash & 2 Eggs	Sausage Cheddar Bake	Strawberry French Toast
Country Kettle	Italian Wedding	Pasta Fagiole	Chicken & Wild Rice	Italian Sausage Bean	Manhattan Seafood Chowder
Grille Special	Beef Burger Stack with Pretzels & Fresh Vegetable Crudit�	Breaded Pork with Sweet Slaw, Lettuce & Tomato on a Kaiser	Filet of Fish Sandwich with Fresh Carrots & Cucumbers	Bacon BBQ Chicken Cheesesteak	Chicken Tostada with Corn Chips
Deli Special	Falafel served with Chick Pea Salad	Carved Beef au Jus with Choice of Cheese & Horseradish on an Onion Roll	Liverwurst & Onion on Rye	Seafood Salad Wrap	Chicken & Ranch Slaw Wrap with Cheddar Cheese
Panini	Flank Steak, Caramelized Onion, Blue Cheese & Broccoli Rabe Ciabata	Open-Faced Crab Bread on French Bread	Cajun Chicken with Peppers, Onions, Mushrooms, Mozzarella & Cajun BBQ Sauce	Vegetarian Chili over Rice	Greek Salad Wrap with Gyro Meat

MENU SUBJECT TO CHANGE WITHOUT NOTICE

Menu Item is in keeping with American Heart Association (AHA) and U.S. Department of Agriculture (USDA) guidelines.

VEGETARIAN OPTION

WEEKLY

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Photography: **Elle Starkman** ♦ Science Editor: **John Greenwald** ♦ Webmaster: **Chris Cane**

The PPPL WEEKLY is published by the [PPPL Office of Communications](#) on Mondays throughout the year except for holidays.

DEADLINE for calendar item submissions is noon on WEDNESDAY. Other stories should be submitted no later than noon on TUESDAY.

Comments: commteam@pppl.gov ♦ PPPL WEEKLY is archived on the web at: <http://w3.pppl.gov/communications/weekly/>.