

## At PPPL THIS WEEK

### THURSDAY, AUGUST 2

#### GFDL Events and Seminars

2 p.m. - 3:15 p.m. ♦ GFDL  
Smagorinsky Seminar Room

Characterizing and Understanding  
Cloud Water and Radiation Budget  
Biases in CMIP3/CMIP5 GCMs, Con-  
temporary GCMs and Reanalyses

Frank Li (JPL)

[www.gfdl.noaa.gov/events](http://www.gfdl.noaa.gov/events)

(Gov't, Univ. or 2 other forms of I.D. needed)

### FRIDAY, AUGUST 3

#### DIII-D Science Meeting

1 p.m. ♦ B-233

#### ATTENTION ALL EVENTS PLANNERS AND PUBLICIZERS:

*Please note that Lab events  
MUST be posted to the "Re-  
search" calendar on Google  
Mail in order to be listed in the  
"At PPPL This Week" list of  
events.*

*The deadline for listings in the  
WEEKLY (which comes out on  
Mondays) is Thursday at noon.  
Please remember to post these  
items in advance with detailed  
title, speaker and speaker af-  
filiation as well as the date,  
place and time.*

*PPPL'ers want to know about  
your event! Thanks very much!*

### The Power of the Visual:

## With New Cues, Recycling Mavens Hope to Spur More Recycling Habits

By Emily Silber

Sustainability efforts continue to expand at the Princeton Plasma Physics Laboratory (PPPL) with new approaches to improving recycling habits. With the help of Leanna Myers and Mark Hughes from the Environmental Services group, Margaret King, the Building and Grounds Supervisor, created signs that have been posted around campus clearly marking and identifying retainers for recyclable waste.



Margaret King

## DOE Grant to Princeton Will Benefit PPPL

By John Greenwald

Researchers at Princeton University's School of Engineering and Applied Sciences have received a \$1.2 million grant from the U.S. Department of Energy to study the use of liquid metals as plasma-facing components in fusion facilities. PPPL physicists collaborated on the application for the three-year program, which could directly benefit Laboratory research on liquid lithium in the LTX and NSTX-Upgrade projects.

The Princeton program will study liquid metals at scales ranging from the quantum mechanical to the fluid flows in tokamaks. "This plays directly into our own projects," said LTX principal investigator Richard Majeski, who joined fellow PPPL physicists Robert Goldston and Charles Skinner in working with Princeton researchers to prepare the application and who will serve as senior collaborators.

Princeton engineering professor Howard Stone will head the liquid metals study as lead principal investigator (PI). Co-PIs will include engineering professor Bruce Koel, who is currently working with PPPL physicists on liquid metal issues; engineering professor Thanos Panagiotopoulos; and Pablo Debenedetti, vice dean of the engineering school. Also participating as co-PIs will be chemistry professors Steven Bernasek and Emily Carter, founding director of Princeton's Andlinger Center for Energy and the Environment. ☐



*Due to Summer  
Vacation the  
PPPL WEEKLY  
will not be pub-  
lished. The next  
issue will appear  
on August 20.*

# PPPL Recycling

continued from page 1

Employed at the Lab for over twenty years, King devotes her time to writing, managing and overseeing contracts for landscaping, pest control, and solid waste and recycling. In addition, she is the supervisor for janitors of the Service Employees International Union (SEIU) working at PPPL.

“Over the years we have made changes to the signs as the market for recyclable products changes. I believe changes will continue to be made, but the current change is due to the lab-wide compost collection, and the new single stream collection which combines the paper, cans and bottles into one bin,” King said.

The new arrow-shaped signs display a combination of colors and pictures to help PPPLers recognize the proper receptacles when disposing of their trash. The old arrow signs only stated what was collected, with no visual cues. In conjunction with the signs, the new trash bin lids visually help convey the proper bin for disposal. “We hope that whatever visual aspects attract folks on the signs will help them create recycling habits not only here at the lab but also at home and wherever they go,” King said.

Before creating the signs King, Myers and Hughes gathered together and brainstormed, seeking the best way to meet their main objective how to get people to recycle in the proper bins. They wanted to ensure that everyone was given the opportunity to recycle no matter what the individual’s learning style may be. “We thought of color, pictures and wording. We also thought of Oscar the Grouch popping out of the bin and hitting people on the head if they did not recycle; but that was unsafe so we had to go back to the drawing board,” King joked.

The team consulted with individual lab members on his and her perspectives on the old signs and received some good feedback on how to improve them. “Most people liked the signs that we had posted for compost collection because of the pictures,” King said, “so we decided to go with the pictures on the arrows.” Working from this idea, Hughes created the arrow-shaped signs and added the appropriate pictures and recommendations for reuse.

The color of the signs also serves as a visual signal depending on each category. Blue is for single stream, green for compost, and brown for trash. All that was left to do was consult with PPPL graphic designer, Greg Czechowicz, from the Office of Communications, who printed the signs professionally. Summer interns were tasked to laminate the final product.

“We believe that the new signs will make it a lot easier for people to observe and recycle,” King said. Not only are the signs attractive and appealing to staff and visitors but they also convey the values of the lab that we recycle and care about waste reduction and a sustainable future. With the help of these signs, PPPL can continue to demonstrate its willingness to reduce costs for waste disposal and bring the lab that much closer to a zero waste initiative.

King concluded: “Currently we have a 69% office recycling rate, up 12% from last year. We hope to increase this rate. And based on what can be recycled at the Lab, we have an opportunity to recycle 85% of our waste stream this year. With lab-wide support, this goal may be accomplished.”



## Farewell

When you're a science communicator, you get to you get to do fun things like fly on the vomit comet and experience weightlessness.

You also get to be surrounded by giants. It's been a humbling experience to be surrounded by the giants at PPPL — the scientists and engineers here and everyone who supports them. Promoting fusion energy research and scientific discovery is a challenging and fulfilling job.

I've been at PPPL for 18 years, and it has been a privilege to work with all of you. When I first came to PPPL as a writer, I was a little intimidated. I'd studied geology in college, and human osteology and a bit of archeology, but not tackled physics. What I found here was a warm group of brilliant people who were generous with their time and explanations. It's been quite an experience finding stories and telling them in many ways, and taking on ever increasing responsibilities in communications, including media relations, tour program management, multi-media projects, Hotline and PPPL Weekly editing, special reports, outreach, and storytelling.

While I am leaving PPPL, I look forward to continuing to work in the field of communications, including science communications. I am far from retirement. My husband, Gregg, and I are off on a new adventure and moving to Long Beach, California. It has been our dream to have a palm tree in the front yard (*it is there*) and a winter with no snow.

I'll miss my PPPL family, and thank all of you.

— PATTI WIESER



**PLASMA CAMPERS.** (Left to right) Teachers Brian Tomko of Greenwood High School, Millerstown, Pa., Jeffrey LaCrosse of Charles E. Jordan High School, Durham, N.C., and Sal Tat-to of Fox Lane High School, Bedford, N.Y., conduct a "DC glow discharge" experiment. In doing so, the teachers are characterizing the breakdown voltage of a plasma. They are participating in the one-week-long Plasma Camp run by PPPL's Science Education group in which science teachers from across the country work at the Lab to familiarize themselves with the tenets of plasma physics.

The July 2012 issue of the Laboratory's **ESH&S NEWLETTER** has been published and is available for downloading and viewing by clicking [here](#).



# PPPL Café Menu

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

**MONDAY JULY 30**

**TUESDAY JULY 31**

**WEDNESDAY AUG. 1**

**THURSDAY AUG. 2**

**FRIDAY AUG. 3**

COMMAND PERFORMANCE  
CHEF'S FEATURE



**CHICKEN & SAUSAGE GUMBO OVER RICE**

Bacon Cakes with 2 Eggs any Style

Maryland Crab 🍷

Double Cheeseburger w/ Bacon served with Fries

Crispy Chicken, Hummus, Spinach, Olives, Tomato

Grilled Monte Cristo



**CAJUN CHICKEN OVER PENNE**

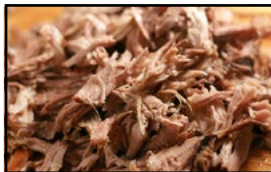
The Belly Buster

Zuppa Toscana

Grilled Chicken & Ham with Swiss Hoagie Roll w/ Rings

Create Your Own Toasted Hoagie

The Seaside



**BBQ PULLED PORK WITH COLE SLAW AND CORN**

Steak Egg and Cheese on a Fresh Baked Croissant

Split Pea w/ Ham 🍷

Pepperoni Pizza Burger w/ Fries

Louisiana Crab Salad on a Multi Grain Roll

The Texas Roast Beef Griller



**BRUSCHETTA CHICKEN SALAD**

Corned Beef Hash over 2 Eggs Any Style

Turkey Chili 🍷

Chicken Quesadilla with Salsa and Sour Cream

Cuban Hoagie

The Big and Crusty Tuna Melt



**CHICKEN PARMESAN OVER PASTA**

Fresh Baked Banana Bread

Vichyssoise

Tex-Mex Chicken Finger Wrap with Fries

Ham & Salami Muffaletta on a Multi Grain Roll

Turkey, Pepper Jack, Bacon and Tomato, Mayo

MENU SUBJECT TO CHANGE WITHOUT NOTICE

[CLICK HERE FOR A PRINTABLE WEEKLY MENU](#)

## WEEKLY

Copy Editor/Graphic Designer: **Gregory Czechowicz**  
Photographer: **Elle Starkman** ♦ Webmaster: **Chris Cane**

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 Thursday. Other stories should be submitted no later than noon on Wednesday.

Send to: [pwieser@pppl.gov](mailto:pwieser@pppl.gov) ♦ Comments: [commteam@pppl.gov](mailto:commteam@pppl.gov) ♦ PPPL WEEKLY is archived on the web at: <http://www.pppl.gov/ppplweekly.cfm>

**NOTE: Due to summer vacation the PPPL Weekly will not be published until Monday, August 20, 2012.**