



Welcome to you, the Green Wave

Welcome to members old and new and thank you for reading our second Green Wave Newsletter of the year. We hope to increase the frequency of these in the future.

We have accomplished a lot in the last six months:

The Environmental Seminar series and Green By Design course have been very successful this fall. Look forward to the environmental film series in the spring.

The Green Drinks initiative has resulted in a growing network of local environmentally conscious citizens.

A compost bin has been constructed on Piver's Island and an organic garden is under construction. Eco-friendly pesticides will soon replace the use of conventional pesticides on the Island, as well.

And we participated in this year's Big Sweep to help remove garbage from our waterways.

Please contact us if there are any ideas that you have that you would like help to tackle as we have a small pocket of funds and institutional support to contribute. We look forward to hearing from you and an exciting new academic year.

Green Drinks brings together eco-conscious citizens

Thanks largely to the organizational work of Sara McDonald and Lucie Hazen, Carteret County Green Drinks has now met seven times in Beaufort and Morehead City.

Green Drinks is an international movement aimed at bringing together a diverse mix of people once a month for an unstructured happy-hour. The Carteret chapter brings people together to discuss environmental concerns in our area and to facilitate organizing to take on some of them.

Green Drinks has enabled Green

Wave members to meet other eco-minded citizens in the community and has facilitated interaction between Green Wave and other local groups such as Carteret County Crossroads, a volunteer-based environmental protection group.

Green Drinks meets during the fourth Thursday of every month at 7:30p. Most meetings have been at Cru Wine Bar in Beaufort, but the location varies.

We've created an email list and also have our own chapter page through the Green Drinks website: <http://www.biothinking.com/greendrinks/>

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More sustainability info from Duke:

- *Duke's Sustainability Program:* www.duke.edu/web/ESC/
- *Duke Environment Blog:* www.nicholas.duke.edu/insider/thegreengrok/
- *Duke Environment Magazine:* www.nicholas.duke.edu/dukenvironment/

Autumn 2008 — Green Wave does the Big Sweep again

Each fall, tens of thousands of volunteers clean up hundreds of thousands of pounds of debris from North Carolina's beaches and waterways during the annual NC Big Sweep.

This October, Jeff Moore led two volunteer groups to clean several beaches and waterfronts in Beaufort and on Radio Island. The first group consisted of two elementary school classes from East Carteret. The second consisted of a small group of students and staff from the Duke Marine Lab. Green Wave thanks Discovery Diving for volunteering their pontoon to help haul trash away from Radio Island. These groups were part of several hundred Carteret county volunteers cleaning up trash.



Visit www.ncbig sweep.org and www.oceanconservancy.org for more information about these events.

Meet some other local sustainability initiatives

Good news: Green Wave isn't the only citizen group in town that cares about greening our community. Through Green Drinks (see page 1) and other connections, we have learned of some other groups in our backyard working to preserve the environmental integrity of Carteret County. Here are just a couple:

Carteret County Crossroads" is a volunteer-based non-profit group that has been working on behalf of the local environment for over 25 years. Several Duke

faculty and staff belong to Crossroads, including Mike Orbach, Joe Ramus, and Jeff Moore, who is building their new website. Visit the interim (old) site: www.carteretcrossroads.org.

The Carteret Local Food Network is brand new, having formed in summer/fall '08. This group will be working to promote local and organic foods, developing community gardens, and improving farmers' markets. Email Catherine Elkins (celkins143@gmail.com) to get involved!

DUML to begin using eco-friendly pesticides

Starting January 1, 2009 Duke Marine Lab will be even greener! The lab will be switching from conventional pesticides to new green Eco Smart Products www.ecosmart.com. Ecosmart insecticides use blends of plant oils to ward off pests. Plants have spent millions of years developing ways to fend off insects and these products take advantage of their hard work. The insecticides currently used include products such as Termidor and Talstar that can be especially toxic to aquatic life. In contrast, the new green products are certified by the USDA National Organic Program and

the active ingredients are registered as EPA List 4 substances – inerts of minimal concern.

Donald Lane deserves huge credit for this change. The new insecticides will cost 50% more than conventional chemicals, largely because they need to be applied more frequently. Donald negotiated the new contract with DUML's pest service and found some extra room in the budget for this green change. He will also aim to target pesticide application where it is needed to reduce broad scale spraying.

DUML begins compost and gardening project

In our last issue, we noted that the Green Wave had received a grant to build a compost center and local garden on Piver's Island.

The Green Wave compost bin has been constructed and installed on the point on the south-west end of Pivers Island. After a highly entertaining and well attended Compost Kick-off, complete with games (and one sprained ankle), trivia, prizes, and food, the compost program is running successfully with help from Marine Lab kitchen staff.

Green Wave Garden Coordinator Nikos Lessios is leading construction of the organic garden behind the Marine Lab cafeteria, and winter crops will be planted in the near future. We anticipate that once operational, this garden will both provide a source of organic produce for the cafeteria, and will serve to teach students and volunteers about green gardening practices.

ATTENTION: To those of you with deciduous trees (trees that lose leaves in fall), **WE NEED YOUR LEAVES FOR OUR COMPOST!** This critical "brown material" is sorely lacking. Please bring it in and put it in the compost bin any time.



Compost bin with a view

Transportation survey: analyzing the carbon footprint of a satellite campus

Green By Design student Scott Spillias is coordinating with the Green Wave to undertake a semester-long monitoring program of travel to Duke's main campus by Marine Lab undergraduates, CEMs, PhD students, faculty and staff. The aim of this program is to determine the frequency of single and carpool trips to Dur-

ham in order to determine the Marine Lab's current transportation carbon footprint; to identify how the current transportation options could improve; and to better inform the Marine Lab's future plans for shuttles and carpool programs.

Veggie cookoff a hit

The marine Lab community and their friends entered the 1st Green wave Veggie Cook-Off on October 3rd. Twelve entries vied for prizes and Catherine McClellan's Spicy Pumpkin soup was judged overall winner.

Why a veggie cook off? The green Wave wanted to highlight the importance of our food and dining choices in achieving environmental sustainability. A special award (The Belching Cow Award) was given

the dish with the lowest greenhouse gas footprint, considering factors such use of organic and seasonally available foods that use fewer fossil fuels in their distribution.

The Green Wave would like to thank the Beaufort Grocery, Piccatta's, Café Zito and Aqua restaurants for their support via donation of gift certificate prizes. We must also thank Jeff, Kelly and Zack for their able judging and to all the participants and attendees.



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The Duke Green Wave was founded in 2007 by three Ph.D. students at the Duke University Marine Laboratory (DUML), on Pivers Island in Beaufort, North Carolina. As part of the Nicholas School of the Environment and Earth Sciences, (DUML) should be a leading force and example of environmental consciousness and sustainability. As the greening initiative at DUML begins, our goal is to improve not only lab consciousness and the lab's everyday practices, but also to ensure a greener image for the Marine Lab. From students to staff, faculty to the community, we aim to raise environmental awareness and improve our standards, policies and facilities to attain the long-term goal of a green Piver's Island.

Visit us on the web:

www.nicholas.duke.edu/marinelab/students/greenwave.html

Greening the Marine Lab with Duke Bikes

Duke Bikes started as a program on main campus in Durham about 18 months ago. The idea is simple: incentivize students to ride bikes (instead of driving cars) by lending them out for free.

Thanks to our own Dominick Brugnolotti and Donald Lane, the Duke Bikes program has made it to Piver's Island. Dominick brought the first 12 bikes down to Beaufort from Durham in June, and Dom and Don installed a few bike racks at the marine lab. Now there are 24 shiny Duke blue bikes around the

Island, and any student (but only students) can check them out for free.

Dominick said that all bikes were checked out all the time during the first summer session but that checkout has lulled a bit this Fall, due in part to Hurricane Hanna and Fall Break trips. And of course now it's getting a bit chilly for some.

Congrats to DUML for getting this program started. Reduce your carbon footprint. Use those bikes!



Support the Green Wave. Buy a travel mug made of 100% Corn Plastic! \$15 put toward this ethical purchase will wash away your environmental sins. Contact us.