

Up On The Roof



Photo by Dan Sears

A unique carpentry project will be taking place on campus in the coming days. At first, it might just sound like a typical job for Facilities Services' Carpentry Shop – repair a section of one of the campus' historic buildings.

But the project to repair and restore the iconic cupola that sits atop Manning Hall does pose especially unique challenges. One of the biggest – it's location.

While working on roofs or tall structures is not that uncommon in the construction field – and at some point during any given day, someone from Facilities Services is likely working on a rooftop somewhere on campus – Manning's slanted, slate roof makes accessing this particular "worksite" nearly 80 feet above the ground unsafe without a great deal of preparation.

Before actual work to the cupola commences onsite, another smaller related job will first take place to ensure workers are able to safely access the roof and have a place to safely complete their work. An elaborate 'tower' of scaffolding will be assembled in front of Manning, and additional scaffolding will be hoisted by crane to the roof to be assembled around the cupola.

The 30 foot tall cupola, with its decorative columns, ornamental finials and weather vane sitting atop the dome, has been a distinctive and recognizable feature crowning Manning's roof since the building was constructed in 1923.

Over time, extensive damage and deterioration has occurred to the cupola's rails, columns and other wooden sections from years of exposure to rain and the elements. While it's been determined that there is considerable damage that needs to be repaired, the crew from the Carpentry Shop won't know exactly how extensive the damage is until the scaffolding is in place and they actually begin their work. Again, because of its precarious setting, they've only been able to access one section of the cupola by ladder.

Even with the scaffolding that will be in place onsite, working high above the ground and brick walkways is still hardly the most ideal workplace. Of course it is necessary for the majority of the work to take place here, but sections

cupola...

of the cupola will be disassembled, and tasks that can be completed back at the shop will be performed there. Some of the damage is so severe that sections of the cupola will be completely recreated in the shop, including many of the columns and one finial. Once all of these parts have been completed, they will also be painted in the shop as a time saving and efficiency measure.

While being in a fully equipped shop with feet firmly planted on the ground has some distinct advantages to performing carpentry work on a scaffold, it also creates another challenge – the crew must make sure everything is exactly right before it's taken back to the rooftop. If a piece of wood is off by even 1/8 of an inch – which is normally an extremely minor problem for a carpenter – correcting it once it has been transported to the site and hoisted to the roof would be time consuming and more complicated.

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Carpenters can repair most of the cupola's decorative finials, but one is so damaged a new one will be constructed.

With this project, which will likely take approximately two and a half months to complete, the Carpentry Shop

will be duplicating the architectural heritage and craftsmanship of the era when the cupola was first created 90 years ago, while preserving the structure for decades to come via modern materials and expertise. The crew plans to weatherproof and stabilize the wood, and use PVC materials, epoxy and composites, preventing the type of damage that has befallen this iconic feature over the years.



Historic photos show the early years of Manning Hall. For a period, virtually the entire building was covered in ivy. One thing that has remained constant over the years is Manning's cupola, adding to the building's stately and dignified appearance.

So you can expect to see a towering scaffold being erected in front of Man-

nning in the very near future in preparation to repair this structure that has withstood decades of severe weather.

Ironically, the project would've already begun... but it's rained so much lately.



**Turn OFF those
lights, Tar Heels.**



Visit www.save-energy.unc.edu for more simple steps you can take to reduce energy consumption – both at work and at home!

Facilities Services News

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- Drink tap water** instead of bottled water
- RECYCLE** bottles, cans, paper and cardboard
- buy products made from **recycled materials**
- Bring a **cup** for your coffee, tea or water
- COMPOST** your food scraps
- buy **recycled paper**
- buy **used** books
- buy **used** textbooks
- eat one **meatless** meal per day
- Print & Write** on both sides of the paper
- buy **used** books
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- give **homemade** gifts
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- recycle** electronics
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- take shorter showers**
- bring **REUSABLE BAGS** when you shop
- Wash your clothes in **Cold Water**
- don't be a **Litter Bug**
- SHUT DOWN** your computer every night
- BUY **ORGANIC** PRODUCE AND COTTON
- Carry your own **reusable utensils**
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- TURN OFF** THE LIGHTS WHEN YOU LEAVE THE ROOM

The Office of Waste Reduction and Recycling
 (919) 962-1442
 wastereduction.unc.edu
 Graphic by Maggie Ruf

The University has surpassed 10 MILLION POUNDS of food waste composted since the beginning of the dining hall food waste collection program in 2000!



Lenoir Dining Hall



Rams Head Dining Hall

A special "Thank You" to Carolina Dining Services & Brooks Contractors for partnering on this hugely successful initiative!



University competing in RecycleMania

RecycleMania is a friendly competition and benchmarking tool for college and university recycling programs to promote waste reduction activities to their campus communities. More than 500 colleges and universities are ranked in various categories based on who recycles the most on a per capita basis, which schools have the best recycling rate as a percentage of total waste, and which schools generate the least amount of combined trash and recycling. This year's competition kicked off in February and runs through March 20.

A new category in this year's competition tracks plastic bag and plastic film recycling. You may now recycle plastic bags at the recycling bins in Lenoir Mainstreet throughout the RecycleMania competition. Bring plastic grocery bags and shrink wrap for recycling and deposit them in the green bin at Freshens (next to the Pit entrance).

Visit the Office of Waste Reduction and Recycling's RecycleMania page at

<http://www.wastereduction.unc.edu/GetInvolved/RecycleMania>

for more information on this year's challenge and to track the University's updated weekly standing in the competition.