

Students show off their solar-powered, zero-energy home



CLEMSON — The Clemson University team participating in the U.S. Department of Energy Solar Decathlon 2015 revealed its highly innovative, affordable design and construction methodologies that could revolutionize homebuilding in South Carolina and other Southern states.

Their home, Indigo Pine East, is now on display at the South Carolina Botanical Garden in Clemson. The students constructed the home on-site using the same methodologies they will use to build Indigo Pine West for the competition.

Clemson and 15 teams from colleges and universities across the country have begun the nearly two-year process of building solar-powered houses for the Solar Decathlon. It helps demonstrate technologies and design that save money and energy while protecting local communities and boosting economic growth.

Article by Brian M. Mullen, Media Relations April 21, 2015

Photo credit Marissa DiLoreto

To read more of this article go to:

<http://newsstand.clemson.edu/mediarelations/students-show-off-their-solar-powered-zero-energy-home/>

Benefit Hot Dog Lunch

When: Wed. May 20th
Facilities back parking lot (Klugh Ave)
From 11:00am until the last plate is sold
Cost: \$6 per plate



Proceeds to benefit Odean Bush and her husband Mike (as he recovers from pancreatic cancer)

Mack Whitmire and Joey Dickard.



Clemson's carillon has a new ring to it March 18, 2015

By Jackie Todd, office of Media Relations

Clemson's carillon chimes are about to sound even better. A 3,000-pound bell became the newest addition to the Tillman Hall carillon Monday as workers very carefully removed the building's north clock face and installed the bell. Phillip Addington has been with Clemson for 16 years. As a civil survey project supervisor for the university's facilities department, this is the first time that Addington and his team have embarked on such a complex – and stressful – project.

"This was a first for all of us" he said. "We had to remove the clock mechanism that turns the hands. Of course, with the brick being over 100 years old, we were concerned about the clock face. Once we loosened everything up, we were concerned about the clock falling out. We didn't know how heavy it was, but once we got into it, we realized it wasn't quite as heavy. This process was definitely trial and error." Comprised of 80 percent copper and 20 percent tin, the bell is the largest carillon bell ever cast by bell foundry Meeks, Watson & Company.

Bill Meeks, owner of the Ohio-based company, was on site for five days to oversee the laborious process of preparing and installing the bell. Meeks' company has been in business since 1991 and in that time, he's cast just four other bells of this magnitude.

"Not only is this the largest bell that we've cast, it's the largest one cast in the U.S. in the past 75 years," he said.

The bell, according to Meeks, was two years in the making.

"First we had to match the pattern of the existing bells," he explained. "We had to take the profiles of the existing bells and design this bell to match that profiles so that the characteristics could be the same when the bell is played. Then we scaled to that note and made a false bell. One you have the false bell, then it is placed into the mold to make a cavity in the bell that equals the mold. The metal is then poured into the mold."

The D#/E flat 3 bell will allow Clemson's carillon to function in ways that it did not before. Many carillons, according to Meeks, are made and purchased without certain bells, typically because the bells are heavy and expensive.

"Thus, you are limited in the amount of music that can be played," said Meeks. "Modern carillon music is written with the D# tone. So this inclusion of this bell will make a difference in the carillon."

The bell was a gift from the Clemson's Undergraduate Student Senate and the 2011-2012 student body.



You're Invited
to the
Facilities Spring Picnic

Friday May 29th
from 11:30am—1:00pm
On Jervey Meadow

The menu:
Fried Chicken
BBQ Pork with Buns
Cole Slaw
Baked Beans
Potato Chips
Assorted Cookies and Brownies
Water, Iced Sweet and Unsweet Tea

Be sure to come to the Meadow and enjoy lunch, relaxation and friendship!



Several Facilities employees assisted the students with the Solar Decathlon 2015 Indigo Pine project (featured on page #1)

Thank you—Tim Brown; Dan Byers; Joey Green; Scott Hallquist; Tom Henderson; Howard Holland; Keith Martin; Bret McCarley; John Morgan; Sherry Newton; Tim Nix; and Ben Quarles for offering your assistance!

President Emeritus James Barker sent each participant a letter of appreciation. Below is a copy of the email/letter they received:

Thank you for your willing assistance with the Indigo Pine project. We have a gifted group of students and faculty, but we owe a special debt of gratitude to you for sharing your own talents to make Indigo Pine East so successful.

You are a valuable member of the Solar Decathlon Team.

Best wishes –

--Jim Barker

James F. Barker, FAIA
President Emeritus and Professor
School of Architecture
Lee 3-135 Clemson University
Clemson, South Carolina 29634-0503
Tele: 864.656.3884
Fax: 864.656.1810



Email to Todd Barnette and Keith Martin

Todd and Keith, good morning.

Thank you for setting up the tents for our first Financial Awareness Week. Despite the terrible weather, we had over 300 students stop by to learn about applying for financial aid and repaying their student loans. We also held a money management seminar, a FAFSA-completion workshop, and a Twitter chat, and we are pleased by the response we received. Thanks for your part in helping us have a successful week. We appreciate your support of our financial literacy initiative.

Regards,
Elizabeth
Elizabeth Milam '87, M'88
Senior Associate Director



Email from A Brackett Hall Faculty Member

Dear Mr. Wells,

I want to send along a note concerning the custodial services in my building, Brackett Hall. I am on the first floor. I see Bobby hard at work every morning when I arrive around 7 am, and he is always quick to say hello. Bobby keeps our area very clean. Our restrooms, drinking fountains, offices, and hallways look consistently great. I know I speak for my colleagues when I say that we appreciate what Bobby does for us. Many times consistently great work gets overlooked and perhaps becomes expected. But I realize we are fortunate to have Bobby and we benefit from his attention to detail and his work ethic. I hope that this note reinforces what I'm sure you already know that Bobby is a dedicated member of Clemson University and is deserving of high praise. If there are others who also work alongside Bobby in my area of the building, please know I appreciate all they do, as well. I have only met and consistently see Bobby, though, so that is why my note focuses on him.

Email from VP Brett Dalton

Bob,

The high-traffic / core areas of campus look as good as I have ever seen them. It really is beautiful. I have to believe that this will have a major influence on families and prospective students as they tour campus.

Please ensure that everyone that has a role in this is properly acknowledged, from the design and planning – to the installation and maintenance.

Thank you,
Brett

Letter from Michael Nebesky

Please pass on my sincerest appreciation for Keith's (Jones) evaluation work on our newest buyWay\$ commodity area—computer peripherals. Sought for his IT expertise and e-marketplace knowledge, Keith co-led the technical evaluation of companies vying for a contract and eventual buyWay\$ punch-out catalog. The recently awarded five-year contract will support all Clemson employees with computer accessory and peripheral purchasing requirements—annually topping \$750K. During the evaluation period, his summation of each company candidate was insightful, thorough, impactful and conclusive. He thoughtfully considered others' viewpoints and helped to provide smart discourse.

Thank you for lending his talents to us!

David Vandeventer accepting the Game Day Recycling Award





Birthdays

June

- 6/1 Brian Kauer
- 6/2 Dennis Nash
- 6/2 Wanda Smith
- 6/3 Mark Gilbert
- 6/4 Christopher Taylor
- 6/4 Johnny Wheaton
- 6/7 Jackie Foster
- 6/7 Mark Whitmire
- 6/8 Rick Boulanger
- 6/8 Karen Westmoreland
- 6/11 Chester Medlin
- 6/13 Lawrence Hendricks
- 6/14 Carolyn Keese
- 6/16 Tiajuana Black
- 6/18 Stephen Anderson
- 6/18 William Lecroy
- 6/19 Phyllis Fisher
- 6/20 Mac Bevell
- 6/20 William Conner
- 6/20 John Jenkins
- 6/22 Teresa Hicks
- 6/25 Patrick Fant
- 6/29 Pedro Martinez
- 6/30 Tom Henderson
- 6/30 Emily Priest-Preston
- 6/30 Stephen Westbury

July

- 7/1 Gregory Weitz
- 7/2 Dennis Roach
- 7/3 David Garrett
- 7/4 Thomas Gibson
- 7/4 Tony Putnam
- 7/8 William Patterson
- 7/10 Rusty McDonald
- 7/11 Todd Barnette
- 7/11 Steven Dubose
- 7/14 Kathy Boice
- 7/15 Clara Ditty
- 7/16 Jay Kaufman
- 7/17 Rose Crosby
- 7/21 Tammi Burdette
- 7/21 James Garrison
- 7/21 David Vandeventer
- 7/22 Michael Parker
- 7/23 Matthew Holbrooks
- 7/23 Tom Jones
- 7/25 Kevin Pruitt
- 7/26 Tom Suttles
- 7/27 Sandra McCurry
- 7/27 James McGee
- 7/28 Jay Whitmire

July (Continued)

- 7/29 Katherine Daily
- 7/29 Robert Dover
- 7/31 William Pinson

August

- 8/1 Kasey Cooley
- 8/1 Scot Wardlaw
- 8/2 Scott Burgess
- 8/8 Robert McCrary
- 8/8 Zack Roach
- 8/11 Dennis Driscoll
- 8/11 Rod Holcombe
- 8/12 Randy Medlin
- 8/14 Bill Hurst
- 8/15 Annette Thomas
- 8/15 Spencer Waldrop
- 8/17 Tyler Jones
- 8/18 Scott Pugh
- 8/19 Larry Miller
- 8/21 Diane Egger-Hallquist
- 8/22 Bill Harmon
- 8/22 Howard Holland
- 8/22 Kevin McDonough
- 8/24 Teresa Cordell
- 8/27 John McEntire
- 8/29 Stanley Crowe
- 8/29 Bradley Goff
- 8/31 Tommi Jones
- 8/31 Keith Mize



Retirees

- Ronald Katona—10 years of service
- Dianne Spearman—7 years of service
- Bobby Cansler—17 years of service

If you have information, an article, upcoming event or compliment you would like included in future Facilitator issues, please send the information to:
 Colleen Caracciolo
colleec@clermson.edu
 656-4604

Clemson World Magazine Article

Cadence Count

Recycling at Clemson
 (His middle name is Green, you know.)
 Clemson people — whether they are students, faculty, staff or alumni — are competitive. And when the Game Day Recycling Challenge* was announced, it ignited that competitive spirit. A team of green-conscious Clemson students topped a national field of 90 colleges to win the challenge. What did it take?

60,724 lbs.

RECYCLABLES COLLECTED DURING THE USC FOOTBALL GAME

That's **13,000 lbs. more** THAN THE SECOND-PLACE UT-KNOXVILLE



IT'S NOT JUST A GAME-DAY EVENT, HOWEVER. HERE ARE OTHER IMPORTANT FACTS AND FIGURES ABOUT RECYCLING AT CLEMSON.

It costs to recycle. But it costs less than sending that material to a landfill.

\$100.53/ton LANDFILL COST
- \$76.99/ton RECYCLING COST
= \$23.54/ton AMOUNT SAVED BY RECYCLING



The Clemson Composting program

Instead of transporting food waste to the nearby landfill (a 15-mile trip), the waste is taken to the Cherry Crossing Research Center, only a two-mile round trip from main campus. Food waste is then mixed with wood chips and landscape residuals in a 1:3 ratio. This mix is then processed via one of five methods of compost currently being assessed. The final product is delivered to the student organic farm, the S.C. Botanical Garden, Clemson University Landscaping and Clemson University Housing as well as the general public. Organic mulch and compost from Cherry Crossing are sold to the community through the CU Marketplace. *For a list of the CU Marketplace, go to tinyurl.com/clemson and visit the "Clemson Goods."

*The friendly competition, managed by the College and University Recycling Coalition, the Environmental Protection Agency's MasterRec program, Keep America Beautiful and RecycleWatts Inc., is open to any college or university with a football program.

New Hires

- Lawrence Hendricks Interior Util
- Dan Huisenga Interior Util
- Gregory Lawrence West Area
- Steven Chappell Interior Util
- Christopher Taylor Landscape
- Oscar Salazar CEF
- Pawel Zdeb Landscape

