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2-24-2017

The Fierce Green Fire: Vol. 7 Issue 15

Wofford College Environmental Studies Program

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Recommended Citation

Wofford College Environmental Studies Program, "The Fierce Green Fire: Vol. 7 Issue 15" (2017). *The Fierce Green Fire*. 178.

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The Fierce Green Fire

A Newsletter of the Wofford College Environmental Studies Program

Students in ENVS 151, Introduction to Sustainability Science, are planning some big changes for the Glendale House with the help of solar architect Greg Olson.



Volume 7, Issue 15

Planning Sustainability



During the past three weeks Dr. Telligman's ENVS 151 class has been developing plans to make the Glendale House more sustainable. The house, purchased by Wofford through the Milliken Sustainability grant, was built in 1902 and was initially planned as a duplex rented to families of millworkers.



Greg Olson, a solar planner from Asheville, NC with over 30 years of solar design and teaching experience, is helping direct the four-week project. A student landscape team is exploring ways to optimize heating and cooling of the house through tree and plant shading and water conservation – including plans for a rain catchment system. They have also created an idea for an outdoor living space comfortable for all seasons. An architectural team is developing ways to improve living patterns in the house by restructuring the narrow and steep stairwells,

designing a passive solar room addition, and making other space modifications.

Wofford College's new Energy Sustainability Manager, Rob Richards, has been helping an energy conservation team identify opportunities for energy savings by evaluating items such as the presence of floor, ceiling, and wall insulation and the efficiency of the water heater and hot water lines. Along the way, the team has calculated the costs and benefits associated with a variety of upgrades and has developed a tiered list of recommendations.

Next Thursday the class will present their findings to Professor Lane's senior seminar class.



Students are working on sustainable solutions for updating a millhouse inside and out.

Upcoming Events and Opportunities

**These count toward your two required extracurricular events for the semester.*

February 24th
7:00pm-9:00pm
Olin 101

Southeastern Friends of the Pleistocene*: “Revisiting the forgotten 1930s and early 1940s Piedmont research of the Soil Conservation Service: landscape erosion, legacy sediments and deeply buried organic deposits.” In the 1930s and early 1940s Spartanburg County was the focus of intensive landscape research by the US Soil Conservation Service. Much of this research has been almost completely forgotten, but is as relevant today as it was then, and provides a unique opportunity to revisit and discuss field localities 75 to 80 years after they were first investigated.

March 1st

Application Deadline – Biosphere 2 Summer Program: The University of Arizona will hold a 10-week research experience for undergraduates (June 5-August 11, 2017) in environmental and Earth system sciences. Stipend, lodging, food allowance, and travel to/from Tucson, AZ provided for participants. For more information and how to apply visit: <http://biosphere2.org/education/research-experiences-for-undergraduates>. You can also ask Carol Morel about her experience there last summer.

March 1st
6:30pm-7:30pm

Info Session – Saha Global Summer Program in Ghana: Summer program dates are May 24-June 14, 2017. Sign up for the online information session <https://www.anymeeting.com/AccountManager/RegEv.aspx?PIID=EC59DE89834E39> or visit their website to learn more about the program <http://sahaglobal.org/gotoghana/>.

March 15th
7:00pm
Olin 101

Christian Hunt – “Red Wolf Revival” Film*: Join us for this film about the Red Wolf recovery program in NC. A discussion will follow led by Christian Hunt from Defenders of Wildlife.

March 23rd
11:00am
Milliken 121

“Coyote Research on the Savannah River Site”*: John Kilgo '89 is a research wildlife biologist with the US Forest Service Southern Research Station's Center for Forest Watershed Research in Aiken, SC. Since 2005, he has studied the ecology of coyotes and their effects on Southeastern ecosystems, particularly deer populations, and for the past three years he has also been studying wild pigs.

March 23rd
7:00pm
Leonard Auditorium

5th Annual Tyson Family Lecture*: Featuring “Coyote: A Conversation between Dan Flores & John Lane About One of the Most Resilient Animals in America.” Dan Flores (*Coyote America*) and Wofford's own John Lane (*Coyote Settles the South*) will discuss the increasing presence of this mezo-predator among us.

PROFILE OF THE WEEK:

Virginia Tech – Masters of Natural Resources

Virginia Tech's Center for Leadership in Global Sustainability offers a Masters of Natural Resources (MNR).

Designed as a professional degree, the MNR is offered in three different formats to meet the needs of an increasingly diverse audience—a 100% Online format (MNR); a Global format (GMNR) for those looking for extensive international experience; and an Executive format (XMNR) for professionals with significant prior work experience. Each of the three MNR formats are 30-credit, non-thesis programs

that provide an interdisciplinary perspective, transformative experience, and international exchange as core elements of the curriculum. The MNR degree does not require a GRE for admission.

For more information about the program and the Center for Leadership in Global Sustainability visit: <http://cligs.vt.edu/>