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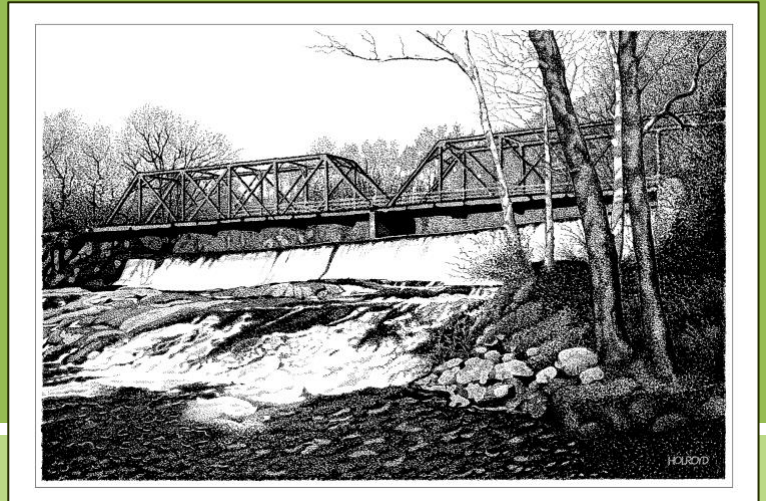
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The Fierce Green Fire

A Newsletter of the Wofford College Environmental Studies Program



Pen and ink drawing of the old Glendale Bridge by artist Lee Holroyd.

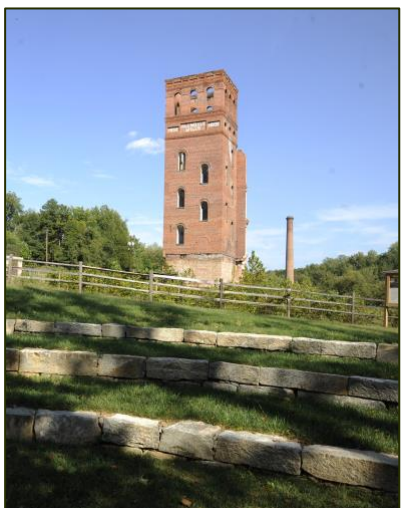


Volume 9, Issue 14

A Perspective on Glendale Shoals by Steve Patton



ENVS 450 Senior Seminar enjoyed their first class of spring semester at Glendale.



At the far end of Wofford's 4-acre Glendale tract stands the mill dam. The power of falling water is the main attraction of this place. When I moved here 30 years ago, kudzu and bamboo covered the creek banks so effectively that most people passed without seeing the dramatic views. The more time I spend here, the more evidence I see of man's tinkering and I wonder how our future actions will change the place.

Long ago people chiseled a sluice through solid rock at Glendale's Upper Shoals (1/4 mile upstream). They unplugged a natural dam to use hydropower. Now that energy is focused into a 6 ft. channel instead of spreading across a 60 ft. shoal.

In the 1800's a wooden flume was erected to focus the water flow at the Lower shoals. A stone structure anchored that flume and controlled the flow of water into a second flume that carried water to power a wheel. If I

stand at the iron bridge and look down I can see remnants of the first flume. If I stand at the Goodall Center, I see that stone structure incorporated into the concrete dam that was built in the early 1900's.

People started tapping into power that nature provided. As our appetite for power grew we dammed more and more. Now fossil fuel provides the energy that used to be harnessed at Lawson's Fork; but the sluice and dam continue affecting the landscape. The once expansive millpond has filled with sediment and created wetlands. A forest is growing up that is very different from the one that was drowned by the millpond.

30 years ago I thought that stone and concrete dam would last forever; now I realize that water will wear it away. I wonder when; and I wonder what else will change as it does.

Upcoming Events and Opportunities

February 12th
11:00am
BSA Classroom 2

Visiting Speaker: *Tropical Ecosystem Sustainability: A Large Mammal Perspective* will be presented by Jen Bradham of Vanderbilt University.

February 15th
Application Deadline

Summer 2019 Research Experience for Undergraduates: [Maryland Sea Grant](#) offers opportunities in marine research on the Chesapeake Bay. 12-week program (May19-August11) with stipend, free housing, and round-trip expenses.

February 15th
Entry Deadline

South Carolina Wildlife Magazine Photo and Essay Contests: Winning entries will receive cash prizes and a debut in the “wildly” popular *South Carolina Wildlife* magazine – celebrating its 65th anniversary in 2019! Visit [SC Wild Photo Contest](#) and [SC Wild Essay Contest](#) for more information.

February 15th
1:00pm
BSA Classroom 2

Visiting Speaker: Dr. Lindsay Dreiss of Middlebury College will give a research presentation - *Investigating Forest Responses to Environmental Change Through Field Observations, Models, and Undergraduate Research*.

February 18th
4:00pm
BSA Classroom 2

Visiting Speaker: Catherine Foley of SUNY-Stonybrook will give a research presentation - *Long-Term Human Impacts on Sub-Antarctic Ecosystems and Mesopredator Abundance*.

April 15th
Application Deadline

Summer 2019 Research Experience for Undergraduates: The University of Iowa will host a [National Science Foundation Research Experience for Undergraduates](#) (NSF-REU) in Geography and Spatial Sciences. A 10-week summer program (May20-July26) will explore human-environment interactions. Participants will receive a stipend and housing in UI residence halls.

April 30th
Application Deadline

The Goat Island Boat Club Merit Scholarship Program: The one-year scholarship will be awarded in the amount of \$2000. Eligible student must be from South Carolina enrolled in an institution of higher learning in the state of South Carolina studying marine biology, forestry, fisheries, wildlife management, or other related field focused on environmental protection of the Santee Cooper lakes and river systems. Stop by Wofford Office of Financial Aid to pick up an application.

PROFILE OF THE WEEK:

Columbia University – MPH in Environmental Health Sciences

U.S. News & World Report ranks The Mailman School of Public Health at Columbia University as one of the top five schools of public health. The graduate program offers a Master of Public Health (MPH) in environmental health sciences.

Students in The Department of Environmental Health Science (EHS) investigate how the environment influences human health. They study topics such as biological mechanisms, environmental health, data analysis, risk assessment, occupational hazards, and policy analysis. In the

field, students collaborate with scientists and health officials across New York City, the country and around the globe to address environmental threats to health in communities worldwide.

New curriculum for the MPH program was introduced in the fall of 2012 providing skills and training for today’s complex public health challenges. The program also offers a Master of Science and one in Health Administration.

[Columbia – Mailman School of Public Health](#)