



SPEAKERS SERIES

Plans are underway for the 2018-19 Hull Springs Speakers Series. Leading off the series will be Longwood Professor of Anthropology and Archaeology, Dr. Brian D. Bates, who will present on “Archaeological Sites at the Water’s Edge: Understanding the Threat to Our Past.” Bates’ presentation is set for Thursday, Nov. 29 at 7 p.m. in the Mallo-ry Room of the Big House. All talks are free and open to the public, but seating is limited, so we ask that you [register here](#).

Dr. Bates founded the Longwood Institute of Archaeology, where the Longwood Vulnerability, Potential, and Condition (VPC) Assessment method was developed. This method was applied to the Hurricane Sandy Shoreline Survey in several counties on the Northern Neck. Archaeological sites are increasingly threatened by the effects of a changing climate, and the old model of preservation in place is no longer sustainable. Effective stewardship of cultural heritage demands that

we understand the threat and can direct efforts to the most vulnerable archaeological sites first.

Nowhere in Virginia are the effects of climate change more apparent than along the shoreline of the Chesapeake Bay, and nowhere else is scientifically derived data on those impacts more urgently needed. The Longwood VPC Assessment method provides a powerful tool for making informed, data-driven decisions. Through predictive modeling, it takes conditions of existing sites and annual shoreline change rates and measures the levels of threats to which each archaeological site may be subjected.

Also scheduled to speak in Spring 2019 (dates to be determined) are Longwood professors Kerri Cushman and Wade Znosko.

Cushman, a sculptural book artist and papermaker with an affinity for letterpress, has observed the benefits of taking students to Hull Springs, and providing them with an opportunity to ex-



Dr. Brian Bates

plore sustainability concepts, collect native fibers, and creatively produce site-specific work.

“This unique outdoor, hands-on living laboratory has been an inspiration for connecting science and art,” noted Cushman. Her talk, “Weaving Together Communities: Hull Springs & Longwood Studio Art,” documents a recent visit by her students to the Montross property.

Dr. Znosko, an Assistant Professor in the Department of Biological and Environmental Sciences, will discuss his recent work looking at impaired waterways in central Virginia and the effect this has on vertebrate development.

LIGHTNING STRIKE

Hull Springs' celebrated Southern red oak, dated to 1595, was struck by lightning on August 6. Thanks to good work by Davey Tree, the ancient tree stands a good chance of surviving.



Tree expert performs surgery



Dr. Ken Fortino pilots a boat of LIFE STEM Scholars at Hull Springs

SUMMER BRIDGE PROGRAM

Longwood University's LIFE STEM Program, funded through the National Science Foundation,

offers wrap-around support to talented science students. Through a welcoming living-learning community, innovative coursework, dedicated faculty mentors, and financial assistance, LIFE STEM Scholars will grow as scientists and "Citizen Leaders."

The first cohort of thirteen LIFE STEM Scholars arrived on the Farmville campus in August, and left shortly after to engage in a week-long summer bridge program at Hull Springs. "Hull Springs is an ideal location

for these new students to bond as a group and be introduced to college life," noted Dr. Mark Fink, chair of the Department of Biological and Environmental Sciences.

Through a week of guided inquiry and explorations with their faculty mentors at Hull Springs and other locations around the Chesapeake Bay, including a trip to Tangier Island and an excursion with a working waterman, these new students will gain critical insights into issues facing the health of the Bay.

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