



SCIENCE MATTERS

JANUARY 2019

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 Science Matters VA

SCIENCE PROGRAM HIGHLIGHTS

WCVE  | WHTJ  | WVPT 



NOVA: PLUTO AND BEYOND *Wednesday, January 2 at 9:00 pm* Three years after taking the first spectacular photos of Pluto, New Horizons is four billion miles from Earth, trying to achieve the most distant flyby in NASA's history. If successful, it will shed light on one of the least understood regions of our solar system: the Kuiper Belt. NOVA is embedded with the New Horizons mission team, following the action in real time as they uncover the secrets of what lies beyond Pluto.



NATURE: ATTENBOROUGH AND THE SEA DRAGON *Wednesday, January 9 at 8:00 pm* A "dragon" that ruled the ocean at the time of the dinosaurs was found in the eroding cliffs on the southeast coast of England called the Jurassic Coast. Sir David Attenborough hosts this detective story, from the challenging on-site extraction of the fossils to the 3D reconstruction of the Ichthyosaurus, or "fish lizard."



NOVA: EINSTEIN'S QUANTUM RIDDLE *Wednesday, January 9 at 9:00 pm* Einstein called it "spooky action at a distance," but today quantum entanglement is poised to revolutionize technology from computers to cryptography. Physicists have gradually become convinced that the phenomenon — two subatomic particles that mirror changes in each other instantaneously over any distance — is real. But a few doubts remain. NOVA follows a ground-breaking experiment in the Canary Islands to use quasars at opposite ends of the universe to once and for all settle remaining questions.



NATURE: EQUUS – STORY OF THE HORSE *Wednesday, January 16 and 23 at 8:00 pm* The relationship between man and his noble steed is almost as old as civilization itself, allowing our species to explore, conquer and flourish side by side with the horse. NATURE traces this revolutionizing partnership with anthropologist Niobe Thompson in this two-part series.



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SCIENCE HAPPENINGS



Learn more at ideastations.org/sciencematters



Science After Dark: Go Bananas (with Curious George)
Friday, January 25 | 5 pm – 8 pm

Join us at the Science Museum of Virginia, as we celebrate the kick off of their newest exhibit, [LET'S GET CURIOUS!](#) Curious George and the Man with the Yellow Hat will be available for a Meet & Greet. Watch the *Curious George* movie in the Dome Theater and make your own kite – one of Curious George's favorite toys.

Details at ideastations.org/curious



Hidden Histories of Medicine, Slavery and Resistance
January 30, 2019 | Doors Open at 5:30 pm
The Speakeasy, 526 North 2nd Street, Richmond, VA

Dr. Carolyn Roberts shares some hidden histories of African American medical practitioners during slavery.



Dr. Carolyn Roberts

Assistant Professor of African American Studies, History, and History of Medicine
Yale University

Science Pub RVA invites you to talk science & culture over a sip of some sort. Each brief, informal talk is followed by lively Q&A discussion.

Additional topics in 2019 will include: Forensic Science in an Opioid Landscape; Toxic Air in Urban Veggie Gardens; How Technology Changes Sports; and the Biology of Sexual Conflict.

Details at ideastations.org/science-pub

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WHAT IS SCIENCE MATTERS?

Science Matters is a multi-media educational initiative of the Community Idea Stations, Central Virginia's PBS & NPR stations. Through our Radio, Television and Digital presence, we strive to inspire our community to value Science and to understand its importance to our future. We couple excellent national PBS and NPR content with compelling locally produced segments which feature community partners involved in exciting Science, Technology, Engineering and Math (STEM) activities in Virginia. Our community outreach events and our new **Science Matters Community Events Calendar** are additional vehicles for engaging audiences of all ages in ongoing discovery and exploration of all things science.

WANT TO LEARN MORE?

ONLINE: ideastations.org/ScienceMatters
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