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Woods Hole Oceanographic Institution

BENEATH *the* SURFACE

August 2016

★ ★ ★ FEATURES



WHOI is a "Rising Star" in Research Performance Ranked among top 25 institutions in North America

(Photo by Terrence Rioux, © Woods Hole Oceanographic Institution)



Signs of Big Change in the Arctic A once-predictable system shifts out of balance

(Photo by Gary Morgan, Woods Hole Oceanographic Institution)



Meet Hugger: An Oceanographer's Seeing Eye™ Dog

A blog by WHOI Senior Scientist Britt Raubenheimer

(Photo by Britt Raubenheimer)

IMAGE OF THE MONTH



Ballasting for Buoyancy

WHOI engineer Jared Schwartz "ballasts" an [underwater glider](#) to prepare for a mission in the ocean about [100 miles off the southern coast of New England](#). Ballasting involves measuring the weight of the vehicle in saltwater to make sure it will be neutrally buoyant once at sea. Schwartz can change the glider's weight by adding or removing copper-coated lead shot from ballast bottles in the fore and aft of the vehicle. Once deployed, the gliders, which have no propeller, fly through the water by using a syringe-like pump to change their volume—and therefore buoyancy—in the water. (Photo by Tom Kleindinst, [Woods Hole Oceanographic Institution](#)).

WHOI IN THE NEWS

» VIDEO: Famous submersible returning to the ocean

The Weather Channel Facebook Page

» **The great New York whale census**

The New York Times

» **Four unexpected ways people are using drones**

The Washington Post

» **Forum celebrates resurgence of marine robotics**

Cape Cod Times

#KNOW YOUR OCEAN



It can take more than 1,000 years for water to move through the entire ocean conveyor.



Events and End Notes

[Woods Hole Science Stroll, Saturday, August 6](#)

Celebrate science! Engage with people from 12 science organizations and the discoveries they are making. Marine animals, touch tanks, technology, and more. Fun for the whole family!

Science Made Public Summertime Lecture Series

August offers a great lineup of speakers on topics ranging from high-tech access to the sea to the secret lives of sharks. Tuesdays at 3:00 p.m.

Splash Lab at the Ocean Science Exhibit Center

Hands-on activities using water for kids of all ages at the Ocean Science Exhibit Center, located at 15 School Street in Woods Hole. Splash Lab will be held on Wednesdays and Thursdays from 1:00 – 3:00 p.m. No reservations necessary. For more information, call (508) 289-2663.

Events Calendar

View the schedule for seminars, forums, lectures and more.

Peanut Butter Club

Fridays at noon in Redfield Auditorium, WHOI sponsors a free talk or video on a topical subject including, but not limited to, the ocean. Relax, chat with friends, and learn about a wide range of socially relevant subjects.



JOIN THE CONVERSATION



Join the growing WHOI community on social media and keep up with breaking news, surprising stories, and beautiful images.

Not signed up yet? Don't miss our monthly enewsletter to learn more about ocean science research at WHOI. [Sign up now.](#)

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Where are WHOI ships now?

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The Woods Hole Oceanographic Institution is dedicated to research and education to advance understanding of the ocean and its interaction with the Earth system, and to communicating this understanding for the benefit of society. **LEARN MORE**

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