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Woods Hole Oceanographic Institution BENEATH *the* SURFACE

September 2017

☰ FEATURES



How Do Fish Find Their Way?

Hatched in the ocean, larvae may use sound to settle on reefs



Did Dispersants Help Responders Breathe Easier at Deepwater Horizon?



Is the Ocean Starting to Suffocate?

New technique offers clues to measure ocean deoxygenation

 IMAGE OF THE MONTH



Sunset Sampling

Researchers aboard [R/V Neil Armstrong](#) launch a conductivity, temperature, and depth (CTD) sensor during a recent expedition off the coast of Cape Hatteras, N.C., where shallow-water currents collide with deep-water currents just beyond the continental shelf. By gathering water samples at various depths, the CTD gives scientists a comprehensive profile of water temperature, salinity (saltiness), and density, which plays a primary role in driving major [ocean currents](#). The researchers—including WHOI scientists Magdalena Andres, Glen Gawarkiewicz, and Robert Todd—are investigating recent variations in the Gulf Stream as part of the [PEACH project](#), which aims to help scientists better anticipate the coastal ocean's response to climate change. (Photo by John McCord, UNC Coastal Studies Institute)

[» See more great images](#)

WHOI IN THE NEWS

[» Concerned citizens and fishermen help scientists track ocean changes in effort to fight climate change](#)

WBUR - All Things Considered

[» How a solar eclipse helped solve an oceanographic mystery](#)

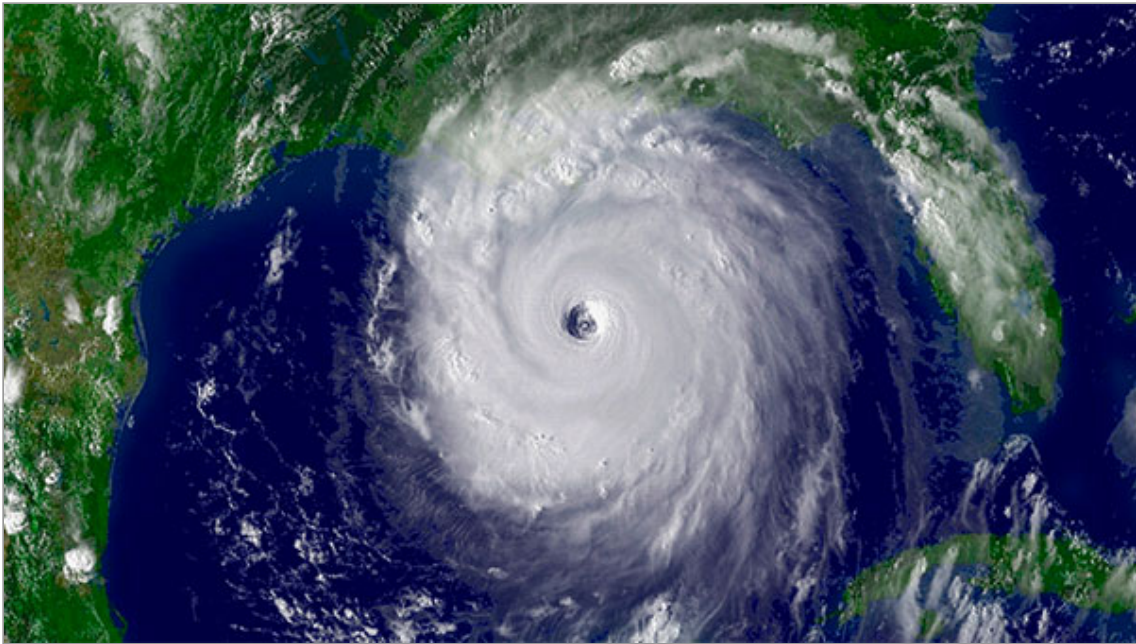
Southside Daily

[» Penguin tail feathers reveal secrets of where they swim for food](#)

New Scientist

[» See more WHOI in the News](#)

#KNOW YOUR OCEAN



Hurricanes

Hurricanes affect our lives in profound and often devastating ways. But what exactly are they and how do they form? [MORE](#)

» [More ocean facts](#)

CORRECTION

The August newsletter incorrectly described the discovery of hydrothermal vents in 1977. The discovery was the result of collective efforts by scientists and engineers from institutions around the world that were several years in the making. Their work culminated 40 years ago with photos of clams on the seafloor taken using the deep-tow camera ANGUS. [Read a full account of the trail of discovery](#)

EVENTS & END NOTES

Events Calendar

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

Peanut Butter Club

Friday, September 15, 2017, 12:00 pm

Featuring the video “American Comandante” in Redfield Auditorium, 45 Water St., in Woods Hole. When William Morgan was executed outside a Havana prison on March 11, 1961, his strange story seemed to vanish from the popular imagination as quickly as it had appeared; it was lost in the classified archives of the Cold War and edited out of Cuban history by Fidel Castro’s retelling of the

revolution. Sponsored by the Information Office. Coffee, tea, and cookies served. Donations accepted.

Visit the Ocean Science Exhibit Center

Don't miss an opportunity to see what WHOI does at our exhibit center and to buy great ocean-related gifts and souvenirs. Hours: Monday - Saturday, 10 am - 4:30 pm. Our [online store](#) is always open. [MORE](#)

Destination Science: Discover Woods Hole Celebrates Rachel Carson

September 15-17, 2017

Head to Woods Hole for the commemoration of the 55th anniversary of Carson's groundbreaking work, *Silent Spring*, released on September 27, 1962. Carson's ties to Woods Hole run deep and this is a great way to learn more about her work and her legacy. The weekend offers events including a one-woman performance inspired by Rachel, a Women in Science Panel, and more. [MORE](#)

OCEANOS: WHOI en Español e Português

Saturday, September 16, 2017

The organizers of a new event at WHOI want to make ocean science more accessible to people who are not native English speakers by reaching out to two of the largest non-English-speaking communities on Cape Cod: those that speak Spanish or Portuguese. The symposium, "OCEANOS: WHOI en Español e Português," will feature short presentations in either language about marine research by students and scientists from WHOI and other science institutions in Woods Hole. The event is free and open to the public, but pre-registration is required. For event details and to register, please click [here](#). Light refreshments will be served. All are welcome to attend. Contact: Gabriela Farfan, gfarfan@whoi.edu, or Luis Valentin-Alvarado, lvalentinalvarado@whoi.edu, if you have any questions. [MORE](#)

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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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