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Woods Hole Oceanographic Institution

BENEATH *the* SURFACE

August 2017

☰ FEATURES



Meet Clio, WHOI's Newest Robot



Watch: Re-envisioning Underwater Imaging



Back to Bikini

Scientists study lingering radioactivity of 1946-1958 nuclear weapons tests

📷 IMAGE OF THE MONTH



Settling Behavior

[Marine reserves](#) promote coral reef sustainability by preventing overfishing and increasing fish abundance and diversity. But to be effective, they need to be sized right, and in a way that accounts for how far larval fish travel away from their parents after spawning. Working in Papua New Guinea as part of the largest, most comprehensive [study](#) of larval dispersal ever conducted, WHOI biologist

[Simon Thorrold](#) and his colleagues were able to determine that most larval butterflyfish settle 43-64 kilometers' distance from their natal reefs. By contrast, larval clownfish stayed relatively close to home, traveling mean distances of 10-15 kilometers to settle in their new habitats. (Photo by Simon Thorrold, [Woods Hole Oceanographic Institution](#))

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WHOI IN THE NEWS

» [WHOI opens new marine robotics prototyping facility](#)

Cape Cod Times

» [From computation to the ocean, a scientist finds his fit](#)

Science Magazine

» [Whale coroners probe die-off of critically endangered marine mammals](#)

Oceans Deeply

» [The story of the first manned expedition to the sunken wreck of the 'Titanic'](#)

Smithsonian.com

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#KNOW YOUR OCEAN



Hydrothermal Vents

Forty years ago this month, a team led by explorer Robert Ballard took WHOI submersible *Alvin* into the deep ocean near the Galápagos Islands and discovered hydrothermal vents—places where chemical-rich fluids emanate from the seafloor, often providing the energy to sustain lush communities of life in some very harsh environments. The discovery revolutionized understanding of how and where life on Earth can exist, and greatly expanded scientists' estimation of the possibility for life to take hold and thrive beyond our planet.

» [More ocean facts](#)

 **EVENTS & END NOTES**

Events Calendar

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

Join the Woods Hole Science Stroll

Sunday, August 12, 2017, 10:00 am - 3:00 pm

Explore science on the streets and experience hands-on family fun with help from numerous Woods Hole-based organizations, including WHOI, the National Marine Fisheries Service and the Marine Biological Laboratory. [MORE](#)

Celebrate the 40th Anniversary of the Discovery of Hydrothermal Vents

Sunday, August 27, 2017, 6:00 pm

Don't miss this one-of-a-kind lecture by renowned deep-sea explorer Robert Ballard followed by a panel discussion on the origins of life. Sunday, August 27, 2017, 6:00 pm, Lillie Auditorium, 7 MBL Street, Woods Hole. [MORE](#)

Take a Summer Walking Tour of WHOI (through August)

Join knowledgeable WHOI volunteers guide visitors on free walking tours through the WHOI dock area and other restricted village facilities. The tours take approximately one hour and fifteen minutes and provide excellent background on the research conducted at WHOI and on the history of the Institution. Reservations are required. [MORE](#)

Science Made Public

Science Made Public is a **free** annual, summertime series of publicly accessible talks by scientists and engineers at the Woods Hole Oceanographic Institution. All talks take place on Tuesdays at 3:00 p.m. in WHOI's Ocean Science Exhibit Center, [15 School Street](#), Woods Hole. This month's topics include imaging under the seafloor, our shifting coastlines, clinging jellyfish, life beneath this ice, and Fukushima six years later. [MORE](#)

Peanut Butter Club

Friday, August 11, 2017, 12:00 pm

Presents the video "Holocaust Escape Tunnel" on Friday, August 11, at noon, in Redfield Auditorium, 45 Water St., in Woods Hole. The Lithuanian city of Vilna,

known also as the “Jerusalem of the North,” was one of the most important Jewish centers in the world until World War II, when the Nazis murdered about 95% of its Jewish population. Now, an international team of archaeologists is excavating the remains of its Great Synagogue and searching for a lost escape tunnel dug by Jewish prisoners inside a Nazi execution site. 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 - Sunday, 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](#)

JOIN THE CONVERSATION



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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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