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# Woods Hole Oceanographic Institution

## BENEATH *the* SURFACE

June 2018

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### ☰ FEATURES

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### New Details on the Discovery of *San Jose* Shipwreck and its \$17 Billion Treasure

WHOI developed and operated technology crucial to finding a sunken Spanish galleon filled with gold, silver, and gems.

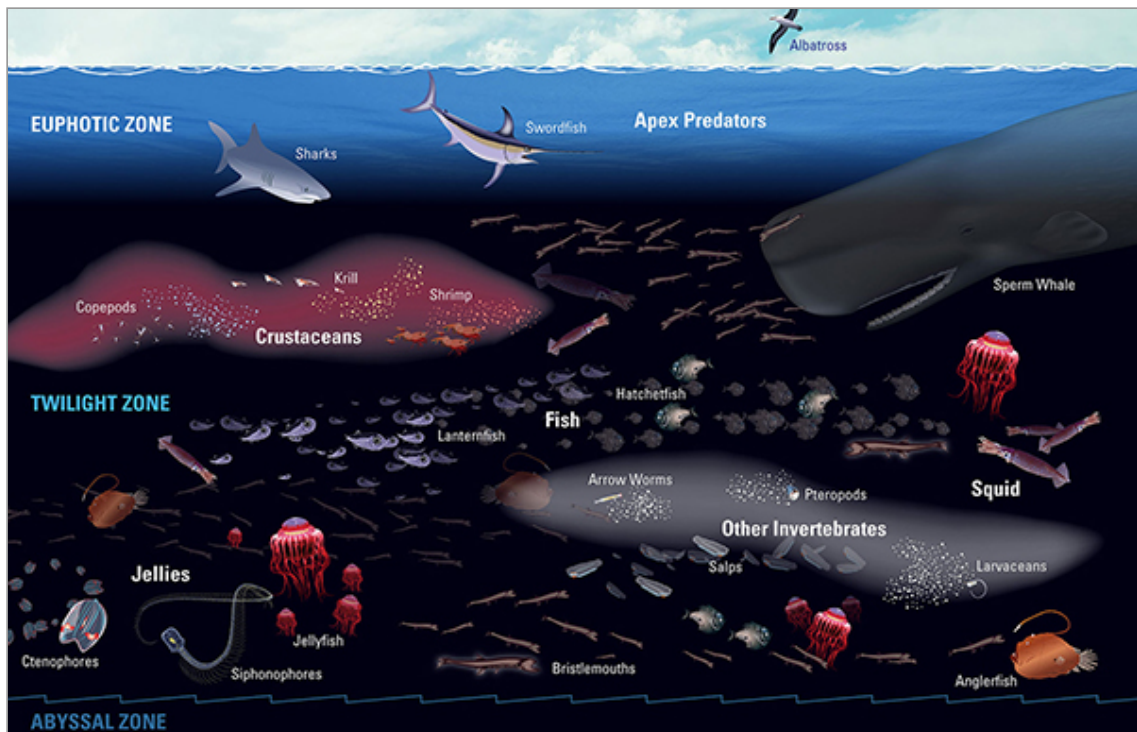
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## VIDEO: Forecasting Future Hurricanes

Just in time for the start of hurricane season, WHOI scientists are exploring ways to better forecast the strength of oncoming tropical storms.

» [Watch now](#)



## A Mission to Explore the Twilight Zone

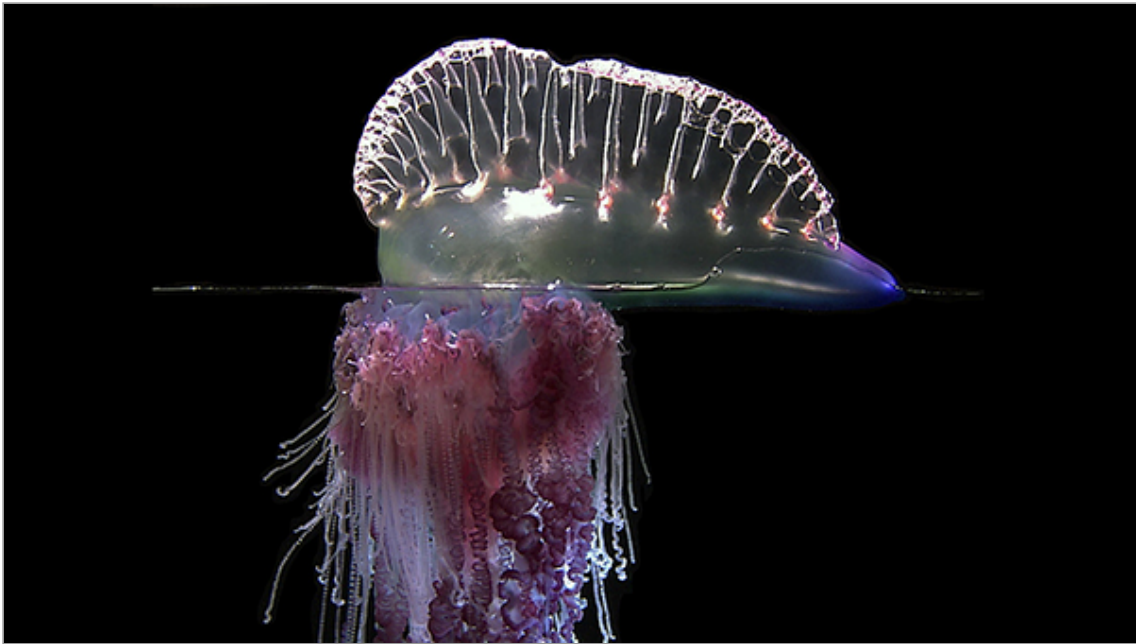
WHOI scientists are preparing for an urgent quest to explore one of Earth's hidden frontiers.

» [Read more](#)

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 **IMAGE OF THE MONTH**

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## Maybe Not What You Think

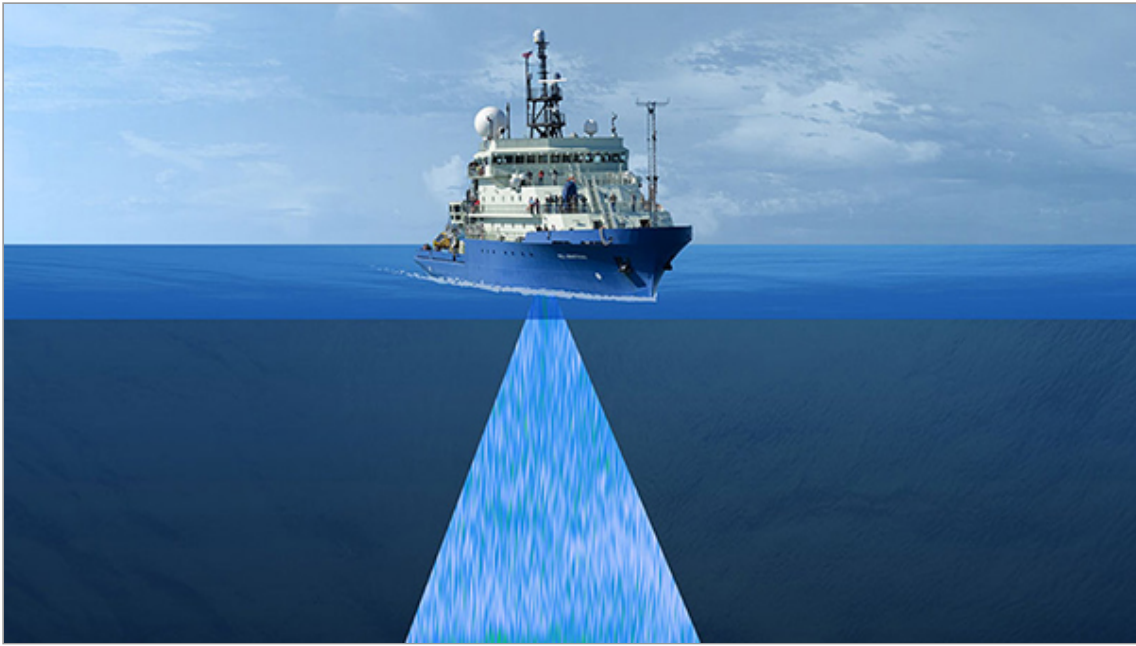
The [Portuguese man-of-war](#) (*Physalia physalis*) is infamous for its painful stinging tentacles that can extend up to 10 meters (33 feet) long down from the surface. They are used to catch small fish, usually at night. The [man-of-war](#) may look like a [jellyfish](#), but it's actually a siphonophore. An "individual" is made up of genetically identical, but highly specialized, units called zooids: its gas-filled bladder, its tentacles, its digestive units, and its reproductive structures. Although man-of-wars are [occasional visitors to Cape Cod, Mass.](#), they are usually found in warmer coastal areas. Many other siphonophores inhabit the [ocean's twilight zone](#), thousands of feet below sunlit surface waters. (Photo by Larry Madin, Woods Hole Oceanographic Institution)

» [See more great images](#)



VIDEO OF THE MONTH

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## Illuminating the Ocean with Sound

How does a shipboard acoustic device give scientists the ability to identify and distinguish among different types of marine life in the depths? WHOI scientists who are using it explain. [Watch now »](#)

» [See more great videos](#)



## WHOI IN THE NEWS

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» [Robot sub finds 'holy grail of shipwrecks'](#)

*CBS This Morning*

» [To raise awareness for climate change, 50-year-old makes bid to swim across Pacific](#)

*NPR*

» [Cape Cod researchers use robots to monitor red tide](#)

*Cape Cod Times*



## EVENTS, EXPEDITIONS & END NOTES

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### June 8 is World Oceans Day — Celebrate with Us!

#### Family Fun Day in Woods Hole - June 8

Don't miss this day of FREE family activities and science fun for all ages at Redfield Auditorium. Featuring the author of the children's book *Flying Deep* and *Alvin* manager Bruce Strickrott, Splash Lab, and family film favorite *Finding Dory*. [Learn more »](#)

## WHOI's First Day of Giving - June 8

Celebrate World Oceans Day on Friday with your support of WHOI's first annual Day of Giving. When you support ocean exploration, discovery, and understanding at WHOI, you make it possible for us advance our knowledge of one of our planet's greatest resources. **Join our June 8 Day of Giving and we'll match your gift dollar for dollar up to \$250,000 and give you a glow-in-the-dark Twilight Zone T-shirt to show your WHOI pride.** Watch your email for details.

## Peanut Butter Club

Presents Author Michelle Cusolito and Illustrator Nicole Wong who will discuss their new children's book *Flying Deep* on Friday, June 8, at noon, in Redfield Auditorium, 45 Water St., Woods Hole. Experience a day in the life of an *Alvin* pilot and join scientists at the seafloor to collect samples and conduct research. Along the way, discover what one wears, eats, and talks about during a typical eight-hour trip in a underwater craft and find out more about the animals that live deep in our oceans. Michelle and Nicole will be joined by *Alvin* Manager, Bruce Strickrott, who will answer questions about being an *Alvin* pilot and the sub in general. A book signing will follow. Sponsored by the Information Office. Coffee, tea, and cookies served. Donations accepted.

## Calling All Saltwater Fishing Enthusiasts! June Ocean Science Café: An Oceanographer's Guide to Fishing Wednesday, June 13, 6:30-8:00 p.m.

**Captain Kidd Restaurant & Bar, [77 Water Street, Woods Hole, MA](#)**

How can you find and catch more stripers and other saltwater fish this summer? Oceanographer, author, and avid fisherman David Ross will answer many questions that will help! What factors affect where game fish congregate? How do fish move with the currents? Are fish intelligent and what do they see, smell, taste and hear? Join us for our FREE June Ocean Science Café. Woods Hole, MA. Doors open at 6:00 p.m. Food and drink available for purchase.

Reservations are required. [Reserve now »](#)

## Visit WHOI Ocean Science Discovery Center

Don't miss an opportunity to see what WHOI does at our Ocean Science Discovery Center and to buy great ocean-related gifts and souvenirs.

### Hours:

June: Monday - Saturday, 10 am - 4:30 pm

July & August: Monday - Sunday, 10 am - 4:30 pm

Our [online store](#) is always open.

## Events Calendar

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





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 and get a FREE ringtone.](#)

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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