



2018

## October Speaker David Watson

Conservation and Exploration of the Mexican Cenotes

David Watson is a local Global Underwater Explorers instructor in Orange County. He has been diving since 2005 and has logged over 2000 dives. An avid cave diver and tech diver, David is involved in exploration and conservation projects both locally and internationally. David's love for the caves of Mexico has involved him in science and exploration projects in the Yucatan. He also dives locally with conservation initiatives Project Baseline and Ghost Fishing. When not in the water, he can be found on the soccer field or playing guitar with his buddies.



David's credentials include:  
Instructor in Orange County for Global Underwater Explorers  
Full Cave Certified & Full Tech Certified  
2000+ dives  
200+ tech dives  
200+ wreck dives  
100+ cave dives  
100+ DPV dives  
Diver with Mexico Cave Exploration Project  
Diver with Project Baseline Laguna Beach  
Founder of Orange County Underwater Explorers



SAVE THE DATE

COMING  
UP

October 9 Club Meeting  
Graziano's Italian, Yorba Linda

October 28 7 AM Beach Dive  
Pumpkin Carve Dive  
Divers Cove, Laguna Beach

November 13 Club Meeting  
Graziano's Italian, Yorba Linda

December 1-8 Warm Water Trip  
Grenada, Grenada



## Upcoming Dives

### Change in Beach Procedure

Participation in our beach dives has been pretty spotty of late and to save Martin the hassle of getting to the dive site and having to abort because no one is there we have initiated a RSVP protocol. If you are participating in our beach dive, E-mail Martin at [n1diver@aol.com](mailto:n1diver@aol.com) or call at 714-833-9167.



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### Beach Dive October 28, Diver's Cove Laguna Beach 7:00 AM Annual Pumpkin Dive

The October 28th Beach dive will be our pumpkin dive. The dive will be at Diver's Cove, located in Laguna Beach on Cliff Drive just West (North to some of you) of Heisler Park. The pumpkin dive will require you to take



an UNOPENED pumpkin down with you. When on the bottom, you will carve your pumpkin, being careful not to injure yourself. Afterwards, the carved pumpkins will be judged for originality, beauty, art worthiness and use of artifacts (from the sea only) by a panel of international experts (we may have to substitute for the international experts as we are having trouble with visas and stuff). It will be a fun dive and a new experience for some of you.

Diver's Cove is one of the most popular dive sites in Orange County. It is well protected from large swells, making for easy entry and exit. Sea life is typical for the area and much of it will be found around and on the rocks. If your an



observant diver and carry a small dive light you'll find all sorts of goodies hiding in the rocks.

To the north you'll find rock outcroppings at the point that are excellent for finding sea life.

Straight out, about 30 yards you'll run into many "mini reefs" loaded with macro opportunities. The South side of Diver's cove contains more larger rock reef

systems loaded with additional Sea life. Access is between Beverly & Myrtle Streets on Cliff Drive. There is a stairway off Cliff Drive where there are 8 metered parking spaces just in front of the main access point leading down to the Cove.

### Hey Beach Divers Be careful Parking in Laguna Beach

LAGUNA BEACH — Tickets for parking violations that impair public safety — at a red curb, next to a fire hydrant, too close to a fire station, and in certain other no-parking zones — will cost violators \$63 beginning May 10, a 46 percent increase over the current fine.

The City Council on Tuesday, April 10 voted 4-0, with Councilwoman Toni Iseman absent, to increase the penalty of the violations.

Other fines — including for parking at a yellow, white or green curb, over marked lines or in an intersection or driveway — will remain at \$43. Parking in a spot designated for disabled drivers without the proper permit will remain \$300, the city's stiffest parking fine.

From Forbes Magazine

## The World's Largest Ocean Cleanup Has Officially Begun

Trevor Nace  
Contributor  
Science



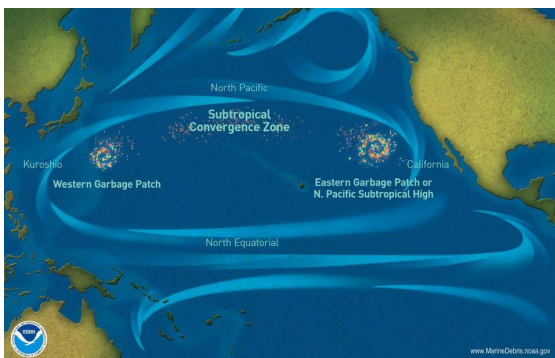
[A floater from The Ocean Cleanup.](#)THE OCEAN CLEANUP

Ambitious dreams have now become a reality as the Ocean Cleanup deploys its \$20 million system designed to clean up the 1.8 trillion pieces of trash floating in the Great Pacific Garbage Patch. Check out another Forbes piece on how Ocean Cleanup aims to reuse and recycle the ocean plastic.

The floating boom system was deployed on Saturday from San Francisco Bay and will undergo several weeks of testing before being hauled into action. The system was designed by the nonprofit Ocean Cleanup, which was founded in 2013 by 18-year-old Dutch inventor Boyan Slat. Their mission is to develop "advanced technologies to rid the world's oceans of plastic."

The floating boom system, with the help of dozens of more booms, is estimated to clean up half of the Great Pacific Garbage Patch within the first five years. Each boom will trap up to 150,000 pounds of plastic per year as they float along the currents between California and Hawaii.

The Great Pacific Garbage Patch is a vortex of trash created from an ocean gyre in the central North Pacific. The trash vortex was discovered in the mid-1980s and lies halfway between Hawaii and California.



[Location of the Great Pacific Garbage Patch and the subtropical convergence zone.](#)NOAA

The garbage patch is so large, it is easily detectable from space via satellites and covers roughly 1.6 million square kilometers and 1.8 trillion pieces of debris. The trash is collected and trapped within a circulating ocean current, called a gyre. This prevents the distribution of the garbage patch, a benefit when creating a system to collect the plastic.

The floating boom system, after undergoing testing, will be towed out 1,400 miles to the garbage patch around mid-October and begin collecting trash. The floating boom drifts along with the local currents, creating a U-shaped formation. As the boom floats, it collects trash in the U shaped system, which has 10 feet of netting below it to collect smaller fragments of plastic. Once the boom is full, a vessel will meet the boom to collect the plastic and transport it to land for sorting and recycling.



The idea is that the 10 feet of netting is not deep enough that fish can't swim below it, with the hope that the boom will collect trash and not fish. However, this is something that remains to be seen in the open ocean.

While the organization has ambitious plans and the technology still remains unproven in the open ocean, they are the closest to a solution to cleaning up the garbage patch we have. No other company has a deployable system able to clean up the garbage patch on this scale.

The company is backed by some heavy hitters in the tech industry, including Peter Thiel, co-founder of PayPal and Marc Benioff, the chief executive of Salesforce.com

Continued testing and deployment of additional boom systems will help further refine the systems to be more efficient and less disruptive to ocean ecosystems.

I am a geologist passionate about sharing Earth's intricacies with you. I received my PhD from Duke University where I studied the geology and climate of the Amazon. I am the founder of Science Trends, a leading source of science news and analysis on everything from climate ...

MORE

Trevor Nace is a PhD geologist, founder of Science Trends, Forbes contributor, and explorer. Follow his journey @trevornace.



# Club Information



Monthly club meetings with speakers and raffle prizes  
Monthly Newsletter  
Land-based Club activities and events for the whole family  
Organized local dives  
Resort warm-water trips  
Good dives and good buddies  
Membership costs are as follows .

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New Membership:  
Single \$40 pp  
Family \$50 (couple/family)  
Renewal:  
Single \$30  
Family \$40

membership renewals are due in February for all current members. New members dues will be prorated depending on the month they join the club

## Club Board Members

### **President/Speakers/Webmaster**

Vlad Ilinsky  
vilinsky88@gmail.com

### **Secretary/Beach Dives**

Martin Carreon  
n1diver@aol.com

### **Publicity/Social Media, Warm Water Trip**

Silvia Swigert  
silviaswigerts@gmail.com

### **Membership/Newsletter**

Alf Johnson  
alfjohnson1@gmail.com

### **Honorary Board Member**

Randy Garzes

## ***Club Contact/Social Media Information***

Website

[Sharkbaitdiveclub.org](http://Sharkbaitdiveclub.org)

Facebook

SharkBait Dive Club - SoCal

Twitter

@sharkbait diver

Scubaboard

[Scubaboard.com](http://Scubaboard.com)