



LOCKHEED MARTIN DIVE CLUB

News

March 2015



March Meeting

Understanding Seahorses with Nancy Pham-Ho, Florida Institute of Technology

Understanding Seahorses through Citizen Science and Aquaculture

Please come to our March 10th meeting to enjoy an entertaining and educational presentation on our local seahorses. We will be hosting our special guest Nancy Pham-Ho, a researcher at the Vero Beach Marine Laboratory.



and Management from the University of California, Davis, she came to Florida as an intern at Disney World's "The Seas with Nemo and Friends". Afterwards, Nancy obtained her M.S. degree at Florida Institute of Technology (FIT), studying seahorses.

See 'Seahorse', page 4



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Dues are Due!

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Nancy's passion for aquatic life and education started early. Her first jobs in high school included being a tutor, swim instructor, and water polo coach. After receiving a B.S. degree in Animal Science

See 'Dues', page 10

President's Column

Happy March everyone!

Warm weather is upon us, and it's time to get out in the water more! We've got a great slate of dives coming together now - with a few potential locations that we either haven't done before or haven't done in a quite a while, including a night dive!

I'd like to stress again that people be vocal about the dives they have coming up. Many of us in the **Club** are looking for dive buddies or just an excuse to get underwater more often, so please make sure to talk about any dive you have upcoming at the **Club** meetings so people can join in and do some more diving.

This month we have an excellent and informative presentation from Nancy Pham-Ho from the Florida Institute of Technology to talk about Seahorses. She just gave an excellent presentation to the Barracuda's, and we're excited to have her join us this month to share her research with us. I know many people in the **Club** are very big into both fish identification and aquaculture, so this would be a great learning opportunity for everyone, both of the aquarium and open-water side of things.

Please be sure to let our dive coordinators know that you plan on coming on dives, even if they're non-chartered springs dives. We recently cancelled one planned dive because of a lack of emails to the dive planner, and I'd hate to have communication be the reason that a dive wasn't able to happen.

See you all at the meeting on Tuesday and let's get diving!

Trevor Campbell



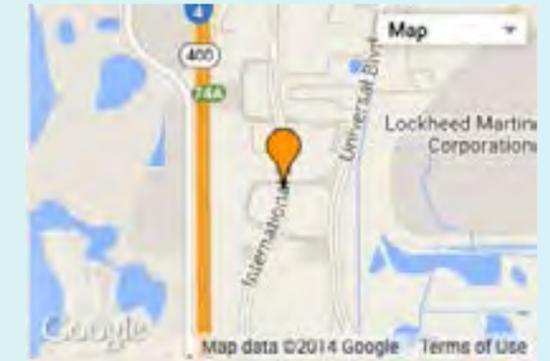
Seahorse, from page 1

Nancy is currently the Site Manager and Research Associate at the FIT Vero Beach Marine Laboratory. Her current work focuses on seahorse conservation. To further this, she coordinates with a variety of government and non-government organizations to evaluate seahorse populations in the Atlantic and Gulf of Mexico. She also works on various education programs at the Marine Lab, as well as coordinating the numerous projects taking place there, which take advantage of year-round access to filtered seawater.



We gather at 6:00 p.m. Afterwards, we hold our "formal" meeting covering **Club** business and member trip reports, followed by our great door prizes.

We meet at Tony Roma's, which is located at 8560 International Drive, Orlando FL 32819 (near Pointe Orlando), phone 407-248-0094. It's easy to get to via Interstate 4 or the Beachline, between Sand Lake Road and the latter. There is ample parking on the side and behind the building. The meeting room is to the left rear of the restaurant.



For directions and a look at the menu, click on the link below:

www.tonyromas.com/orlando-idrive



Twin baby manatees spotted at Blue Spring State Park
Seven-month-old twin manatee calves swam Wednesday at Blue Spring State Park in Volusia County. There have been 7 sets of twins recorded at Blue Spring since 1916, and this marks the first time that the twins are a male and a female. The Manatee Festival is this weekend at Volusia Park in Orange City. More photos: Orlando Sentinel/Steve

Your **Club** Leadership

President Trevor Campbell	407-234-7147	Committee Chairs	
Vice President Mike McCleskey	407-808-6453	Activity Trevor Campbell	407-234-7147
Secretary Gwen Hagar	863-397-6304	Camera Jamie Dachtler	407-356-1374
Treasurer Keri Vazquez	321-297-3366	Communications Bill Paskert	407-579-6215
Director at Large Nancy Wileden	407-971-8525	Equipment Bill Paskert	407-579-6215
Board of Directors		Meetings Open	
Gary Comstock	407-255-0488	Membership Keri Vazquez	321-297-3366
Jamie Dachtler	407-356-1374	Merchandise Carol Comstock	407-694-3490
Terry Keeney	321-795-9476	Safety and Training Darrell Seale	817-308-9764
		Webmaster Terry Keeney	321-784-3382

Amy Slate's Amoray Dive Resort

Key Largo

May 8 - 10, 2009

Enjoy a weekend in the Florida Keys. Two-tank dives on Saturday and Sunday morning for \$290 per diver. Reef or shallow wreck diving may be accommodated. All rooms have a refrigerator and a microwave. The Club will furnish breakfast and juice, and drinks for the boat.



Award-winning dive resort: A PADI - National Geographic Gold Palm Resort and rated by Scuba Diving Magazine Best in the Florida Keys in 2008

www.amoray.com



Payment schedule: \$100 due at sign-up; sign-up deadline is March 27. Balance due April 8.

Coordinator: Marie Frank, marie.s.frank@lmco.com

Make your check payable to Marie Frank

Member Contributions

From Wendy McCleskey

Boys' Life, September 2013

Snap, Crackle, Pop

When 1- to 2-inch-long pistol shrimp shut their oversized claws, the 218-decibel sound (louder than a gunshot or jet engine) stuns or kills fish the shrimp want to eat. The shrimp also sound off to mark their territory. But this noise doesn't come from the claws closing. The snapping claw makes a jet of water shoot out at more than 60 mph, creating a cavitation bubble. When a group of pistol shrimp is busy claw-snapping, the noise is so loud that it can hide submarines from enemy sonar-tracking equipment.



Ninja Strike

Mantis shrimp, or stomatopod, claws deliver the fastest striking force among sea animals — about 33 feet per second — to kill their fish or shellfish prey. That's faster than a 0.22-caliber bullet. The main subtypes of stomatopods, smashers and spearers, either smash prey with a club-like claw or spear it with a sharp hook. Smashers strike slightly faster than spearers do, but a saddle-shaped spring powers both. Before striking, the creature locks the spring to store energy, and then releases it with blinding speed. Fast motion in water creates a cavitation bubble, and when the bubble collapses, it causes a bang. It also creates a flash of extreme heat — about 8,000 degrees — and a flash of light for a fraction of a second. If the strike doesn't kill the prey, the cavitation bubble does.

Undercurrent, March 2015

Flotsam & Jetsam

He Sucked My Blood Underwater -- Then We Started Dating. Nose bleeds are common when diving and there's not much blood, so if a fellow diver tries to suck the blood from your nose, well you'd think this guy is either a vampire or one sick puppy, right? Not Shu Pei, a diver who tells the *Malaysia Chronicle* how she fell in love with a fellow scuba student named Richard. "At our first openwater dive, in Pulau Dayang, I had a nosebleed due to the pressure at sea, and Richard did something very unexpected. He brought me to a corner, used his mouth to suck up my nose blood, and spat it on the floor. After a few minutes of that, I felt much better and was no longer choking on my nose blood. He placed a cold compress to ensure my nose no longer bled. And that's actually when we started dating!" Shu Pei and Richard are now happily married, with two kids in tow.

www.undercurrent.org

Show us your pictures !



We have been offering a new segment to our monthly meeting format to entertain and showcase what you are seeing and experiencing on your dives; club dives or personal dives. The idea is to slowly but surely ease everyone into sharing their dives with the other members that either did attend the dive or wished they had attended.

The Club has a Go-Pro still and video camera for everyone's use and a Sealife still camera that is oldish, but not retired. If you are going on a trip to the springs or traveling to West Palm, grab the camera(s) and experiment. We think that there are some shy, creative photographers and videographers out there that are reluctant to show their stuff. No intimidation factor, just some fun!

If you shoot some raw video (unedited), who cares....we want to see it! If you shoot some pictures topside or underwater, please share them.

We devote a segment of the meeting (10-20 minutes) for anyone's pictures or videos they want to show. These can be OLD pictures from the past or dives you made recently....we just want to see them! Do you have some pics from a Nikonos V, share them!

Some guidelines.....

1. **Pick a video or pictures** that you want to show. Try to stay with 1 format so everyone has their 3 minutes.
2. **Pictures:** if you put together some pictures, pick your favorites and try to pick just enough to fill 3 minutes or less, assuming 5-7 seconds per image maximum. At 7 seconds, you could show 24 images.
3. **Videos:** Edited or unedited, put together whatever you have and try to keep the video to the same length; 3 minutes or less. If 5 people bring pictures and videos we'll fill our 10-20 minutes.

Now what? How do I get the pics or videos to the meeting?

1. Email Gary Comstock (Seabase195@aol.com) or call him (407) 255-0488, one week or a few days before so he knows how many will be showing video or pictures.
2. Bring your pics or video on a DVD, flash drive or SD card to the meeting. We have the computer!
3. If you are shy, just give the collection to Gary and ask that he not mention your name at the meeting.

What this segment is NOT: This is **not** a photo contest. This is just a segment to share your unedited and raw photo and video experiences with all of your friends and dive buddies. Let's have some fun and maybe some giggles! Who will step up?



Lockheed Martin Dive Club

GO Pro Hero 2

Available for member's use TODAY!



This incredible Go Pro video and still camera is available for member use at no charge. Anytime the camera is not being used, you are urged to take advantage of using it. Use it in the Springs, on a trip to Jupiter or the Keys or just diving at Blue Heron Bridge for the day.

The camera is **very simple** to operate and is **watertight to over 150'**. The camera features the ability to shoot **very wide angle** (170 degrees) 11 megapixel pictures and 1080P High Definition video and with the **16 gig SD card included**, there's room for **3 hours of video or 3,000 pictures**. The camera comes in a foam lined case, **complete with everything** to go get some interesting video or pictures of your dive. There's even simple instructions in the box or Jamie can give you a brief tutorial.

The Club purchased an **extended battery**, which offers **3 hours of battery time** and it can be easily charged using the USB adapter that is supplied. Also included is a head strap that can be worn on your head during the dive to capture pictures or video. The other item included is a 24" threaded extension or wand that the camera simple screws onto for shooting "up close and personal" images of some of the creatures you may encounter.

If you can press a button, this should be on every dive you make! Who knows, you may be a winner in this year's photo contest just by using this little camera.

Please contact **Jamie Dachtler** in advance of your dive (1 week -1 month) and he will coordinate a time and place to get this incredible camera into your hands. Email: james.n.dachtler.jr@lmco.com.



January Meeting

Shark Conservation Expeditions with Angela Smith, Shark Team One - Review

At our January meeting, Angela Smith, the founder of eco-adventure company Shark Team One, spoke about diving with endangered shark species and conservation of sharks worldwide.

The program highlighted the biggest issues facing sharks and how divers can become citizen-scientists to spread awareness of these misunderstood creatures.

We learned how eliminating top predators can affect the entire food chain, and that one important way to help save sharks is to go see them. Eco-travel with strict conservation goals can help support local economies and demonstrate that sharks are worth more alive than dead.



Angela gave us many impressive facts about shark issues, including:

- 100 million sharks are killed annually for their fins
- At least one third of all shark species are going extinct
- Sharks keep fish populations healthy and abundant
- Eco-tourism supports shark conservation
- Sharks keep the oceans in balance – we need sharks.

From cage diving off Guadalupe Island, Mexico, with Great white sharks, to the upcoming Shark Team One Oceanic whitetip expedition in the Bahamas, Angela talked about the diverse destinations available to go see sharks face to face.



We learned that Angela's expeditions also focus on photography and videography, and that every expedition has a citizen-science component in which we can work alongside conservationists and scientists to help save sharks.



Since we last caught up with Angela, she has been inducted into the Ocean Artists Society for conservation photography! If you have any questions about her presentation or shark conservation, or if you would like to join an expedition, Angela's email is:

angela@sharkteamone.com.



LMDC Connections

We have a telephone voicemail account. Got a question about the **CLUB**? Want to let us know that you'll be attending a **CLUB** meeting? Just call 407-579-6215 and leave a message!

Check out all the great dive information on our **CLUB** home page at: www.martindiveclub.org.

Editor's Corner

Thanks for all your help. You've been great at getting articles to me. If you've got ideas for articles, get them to me by phone at 407-579-6215; email at wpaskert@cfl.rr.com; or sneaker-net your text and graphics on disk to me at 3173 Battersea Way, Winter Park FL 32792-8137

Dues, from page 1

It's that time of year again. **Lockheed Martin Dive Club** dues are due in March. You'll want to get your dues in early so you can enjoy all the exciting dives and activities that the **Club** has planned for you this year.

Dues are still only \$20 per year (\$15 if you are a current DAN member), with an extra \$5 if you want the newsletter by snail mail instead of email.

Dues can be paid by cash or check. Make your check or money order out to "Martin Dive Club" and mail it to our Treasurer:

Keri Vazquez

2525 Holly Pine Circle

Orlando FL 32820.

Remember that your **Club** membership will expire on March 31. If dues are not received by April 30, your membership will expire and you will not be eligible for membership again for 1 year without paying a Lapse Penalty Fee of \$10 plus 1 year's prorated dues.

PLEASE!! Since things change for members, the Board is requesting that you fill out a registration form this year when you pay your dues.

Please take the time to download the membership form (martindiveclub.org/resources/forms/membershipform.pdf) and complete and get it to Keri at with your check, or email it to her at:

unixchik@gmail.com

Thanks for your assistance in making sure our database is the best it can be.

Trevor Campbell



LOCKHEED MARTIN DIVE CLUB

3173 Battersea Way
Winter Park FL 32792
(407) 579-6215
www.martindiveclub.org

Upcoming Events

Mar 11 **Meeting:** Seahorses - Nancy Pham-Ho

Apr 14 **Meeting:** TBD