

NEWSLETTER



ESTABLISHED 1964

# San Jose Flipper Dippers

AUGUST  
2019

GENERAL MEETINGS HELD  
3RD WEDNESDAY  
OF EACH MONTH  
[WWW.SJFLIPPERDIPPERS.COM](http://WWW.SJFLIPPERDIPPERS.COM)

## Bio-Inspired wearable fabric sensor takes notes from octopus suckers

Nature is a powerhouse for influencing innovation. Recently, emerging wearable fabric sensors are inspired by the qualities of a sea creature with eight limbs – the octopus. A hybrid team of smart textile, nanotechnology, chemical engineers, and medical device experts in South Korea collaborated to develop a sticker-like nanofabric that mimics the special micro-sucking capability of the octopus. The goal of this advanced material development was to create a flexible sensor that can stick onto the soft, uneven texture of the human skin, whether it is dry or wet.



### Conductive Stickers – How did they do it?

They patterned the sticker-like, O-shaped rings onto a mixed polyester fabric using wet chemistry methods. The rings were made of reduced graphene oxide nanoparticles as a high-performing, yet simple option. This nanomaterial is a great conductor of electricity and can contribute to the mechanical strength of the overall material. The polyester fabric introduced lightweight and flexibility features, kind of like a band-aid!

continued on page 4



## Where is my mask and snorkel? Someone took it!

Dippers' president, **Tom Gardner**, left, was the recipient of the "Golden Dippy," at the July General Meeting, for misplacing his mask and snorkel on the Humboldt dive boat during the San Diego trip in June. He was in a panic looking under the benches, in gear bags and was becoming extremely frustrated. **Carl Tuttle**, right, started assisting and when Tom said it was a black mask and a white snorkel it was quickly discovered. On top of Tom's head! Maybe dive boats need a big mirror on deck so divers can check to see if they have their mask on. ★

## Refreshments Are Being Served



The following Dippers are asked to bring a tasty goodie to the next General Meeting: **Brian Zaugg, Barbara Zwieg, Tony Alarcon, Debby Alarcon, Larry Ankuda and Mike Chalup**. Don't forget you will receive a FREE raffle ticket for your donation! ★

## What's Inside?



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Social Hour & Great Raffle!

At the August General Meeting we will be having a "Social Hour" to

give everyone the opportunity to share their stories of past dives and activities as well as discuss the many dives and events during the coming months.

You will also have time to purchase tickets to our monthly raffle for a chance to win some very interesting prizes! **The Door Prize is \$20!** Hope to see YOU there! ★

## PRESIDENT'S CORNER



The month of August looks like a pretty quiet dive month for the Flipper Dippers. The weather and ocean are becoming warmer with hopefully much calmer seas. This is the perfect time to do some beach diving and hop on a boat if possible.

There is the Second Saturday event, on August 10, that will be a kayak tour in Elkhorn Slough, at Moss Landing, coordinated by **Jim Rezowalli**. The last time this was done the club had a pretty good turn out and a docent provided a very informative tour. This time the tour will be from the upper end of Elkhorn Slough at Kirby Park. If you don't have a kayak, or haven't ever kayaked, you can rent one at the Monterey Bay Kayaks at Moss Landing. Club members can show you the easy ways to paddle. So join in! See the article on page 5 for details.

There is also an Aug 29 – Sept 3 camping trip at Big Sur which will include at least one dive in the Carmel, Big Sur area. **Carl Tuttle** and I have reserved 2 campsites at Pfeiffer Big Sur State Park that allow up to 4 vehicles per site. If you want to spent a couple of days away from the Bay Area let us know. We have space!

Also don't forget the upcoming Vision trip out of Santa Barbara happening from Sept 8 to 11. **Barbara Davis** is coordinating with the Vaqueros Del Mar Club and I believe there are still openings for anyone interested. This is a great liveboard 3-day diving adventure to the Channel Islands.

Let's get out there and dive, but dive safely. – Your president **Tom**



# San Jose Flipper Dippers

P.O. Box 7421, San Jose, CA 95150  
www.SJFlipperDippers.com

CLUB OFFICERS

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o Position Open o

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Steve Richards 408-267-7853

### STAR ACHIEVEMENT

Jackie Gardner 408-274-9447

### TROPHY COMPETITION

John Snyder 408-378-4963

CLUB COMMITTEES

## Diver's I.Q. Review Corner

This month we have Two (2) Questions and each is worth a chance to win FIVE (5) raffle tickets for your correct answer!

**Question No. 1:** What do a porcupinefish (*Diodon nichthemerus*), blue-ringed octopus (*Hapalochlaena* spp.) and a sunfish (*Mola mola*) have in common?

- A. Physalia toxin
- B. Tetrodotoxin
- C. Mycotoxin
- D. Scombroid toxin

**Question No. 2:** Where might you encounter a blue-ringed octopus?

- A. Deep Caribbean coral reefs
- B. Shallow Indo-Pacific tide pools
- C. Channels off of northwestern North America
- D. Sinkholes in South Africa



Send your answer by email to **Barbara Davis** at [bjdscuba123@gmail.com](mailto:bjdscuba123@gmail.com). All attendees at the next general meeting with the correct answers will be included in a drawing for 5 free raffle tickets per question. Good Luck!



## RAFFLE NEWS

### Leigh Hartley Tuttle

The July general meeting was well attended and that means lots of goodies on the raffle table! **Teresa Hanson** brought a 3-pound canister of popcorn which **LORD Larry Ankuda** picked up. Teresa also donated a small flashlight (found during the Monastery Beach dive) which **Mike Chalup** took a shining to. **Dhaval Giani** donated two lovely bottles of red wine and **John Synder** grabbed one while Mike got the other. **Carl Tuttle** donated a bottle of Barefoot Chardonnay which **Hunter Reid** walked away with. **Tom** and **Jackie Gardner** brought two elegant gift baskets which had wine, jam and almonds and chocolates. **LORD Ankuda** nabbed one and **Barbara Davis** nabbed the other. Speaking of Barbara, she brought a cat calendar and Teresa snapped it up. Barbara also brought cat "butt" magnets which Carl took – and I was nice enough to give them to Teresa! John donated a girl's shortie wetsuit which Larry got. Speaking of Larry, he brought a number of items including a tank boot which Barbara nailed. Unfortunately the wine cork coaster and



a rather large zucchini went back home with Larry. That's it for July. Looking forward to seeing the Flipper Dippers at the August general meeting.

**THE DOOR PRIZE:** The door prize is now \$20 as **Leigh Tuttle** drew **Dale Darnell's** name from the door prize can! He was NOT at the meeting and so he didn't collect \$10. Remember, YOU must be in attendance to be eligible to win.

### THIS MONTH'S RAFFLE:

We're on our rotation for donations and each month we pick names from the Club's Roster for members to bring a donation for the Raffle Table. So this month the following are asked to bring a dive-related gift: **Manuel Mangrobang, Adam Nasont, Dennis Nasont, Hunter Reid, Jim Rezowalli** and **Jerry Richards**. If you live out of the area or can't attend the General Meeting, please contact, **Leigh Hartley Tuttle** (1-408-829-3660, tutcomms@sbcglobal.net) to send in a check. She will pick up a great raffle donation in your name. The raffle has always been an important part of our General Meetings. Please do your part as a Club member and provide a raffle donation when your name comes up. Thanks! ☆

### Freckles doing well after being freed from hooks

When Freckles the manta ray approached divers Jake Wilton and Monty Halls in Western Australia's Ningaloo Reef, they were shocked to see fishing hooks embedded under her right eye. More surprising was that she stopped near them, appearing to ask for help. Jake dived down several times, each time swimming up close and removing the hooks from her skin. Freckles waited patiently for him to finish.



It's likely she had been skimming the sea bed to scoop up plankton when the discarded hooks, used in recreational fishing, got caught near her eye

Jake has since checked in on Freckles and told BBC News that she's doing well, and may even have recognized him. "I went down for a dive and she stopped and hung around for about 30 seconds above me – it

was pretty wild," he said. "They have self-awareness and can recognize individual manta rays, so she could have recognized me."

Freckles – so-named because of a unique pattern of freckles on her belly – is thought to be about 30 years old, making her a venerable old lady in manta ray years.

Boats are another big danger for manta rays in the area - most of the injuries the divers see are caused by boat propellers. Jake says he and his colleagues are trying to push for areas of protection on the reef, "to at least give them some safe spots."

"All of the residential manta rays, who were already established here before tourism, are coming to the end of their lifespan," he says. "So the biggest worry now is, when these guys go, the new manta rays that are coming in... are they going to call this place home, or are they going to come here and think, 'Oh this isn't a very good place to get cleaned, there are too many boats, too many tourists?'" ☆

## MEMBERSHIP

### Teresa Hanson

There are some prospective members looking to dive and we look forward to diving with you! Prospectives must have a Club jacket either in possession or on order to be voted into the Club. See the Club's Website (Membership Requirements) for information and where to purchase. Contact **Teresa** for additional information on any and all Membership Requirements.

A **FREE raffle ticket** will be given to the following Dippers who have a birthday this month: **Tony Alarcon, Debby Alarcon** and **Steve Richards**. Happy birthday to all!

And we don't have these Dippers' birthday months, so you're missing out on a **FREE raffle ticket**: **Grace Chi, Giani Dhaval** and **Manuel Mangrobang**. So let me know your birth month so you can get a free raffle ticket when your month comes up. ☆

## 2019 TROPHY STANDINGS

Each month the person whose name appears in the newsletter will receive **3 FREE RAFFLE TICKETS** at the General Meeting – if in attendance. If you hold a trophy several months in succession, you will receive **3 FREE** tickets each month until someone beats your catch.

Contact **John Snyder** at +1-408-202-5196, email: john.fishhunter@gmail.com, **WITHIN 1 WEEK** and give him all the proper info (include the name of one Club-member witness). ☆

## SKIN DIVING

□ OPEN CATEGORIES □  
**Lingcod, Cabezon, Sheephead, Lobster, Halibut, White Sea Bass, Striped Bass**

## SCUBA

□ OPEN CATEGORIES □  
**Cabazon, Lingcod, Halibut, Sheephead, Lobster**

Good luck to all!



## Panther Beach Clean-Up

Thanks to the great turnout of Dippers who showed up to pick up trash at Panther Beach on July 7. Not a lot of trash on the beach but a good amount in the dirt parking area. The weather was beautiful and the Dippers worked quickly. Afterwards they all went to the Whale City Bakery Bar & Grill, in Davenport, for brunch. 🌟



Above, clockwise, **Barbara Zwieg**, coordinator **Hunter Reid**, **Carl Tuttle**, **John Snyder**, **Larry Ankuda**, **Barbara Davis** and **Greg Davis** - taking the "Selfie" of the group. John! Gentlemen do not wear hats at the dinner table! Left, Barbara, Hunter, Barbara and Carl ready to head off to brunch.

continued from front page

The octopus's suction cups naturally stick to all types of surfaces because of the fine hair and micro-rough features that enable their high holding power. Reduced graphene oxide has great adhesion properties following similar attention to fine features.

Graphene-oxide has suction stress because of pulling forces between the two surfaces. In dry conditions, the main forces acting from the reduced graphene oxides are van der Waal's forces; in wet conditions, it is capillary forces that help with suction.

### **Flexible Sensor Applications (Including Speech Recognition?)**

Monitoring various human activities is the ultimate goal for material performance. On a commercial end, the flexible sensor can potentially collect data while an athlete is running or swimming, provide real-time data to medical professionals on a patient, and possibly enable a new speech recognition technology. According to the journal article, the researchers collected raw data taking measurements from a 35-year-old person. The wrist pulse, dynamic body motions, electrocardiography (ECG), and speech vibration results show viability and proof-of-concept.

The overall results indicate responsiveness to applied strain as well as good sticking of the material onto the human skin. On the wrist, the fabric sensor detected bending motions while dry and wet, as well as 68 pulse beats over a 5 second period. Sensors were stuck onto the person's wrists and ankle for ECG monitoring showing repeatable electrode output for potential medical diagnosis. On the neck, the fabric sensor picked up on vocal vibrations consistently with results output in the form of resistance change rates.

Wearable sensor end-uses can be possible with continual refinement of the advanced material and growing acceptance of nanomaterials from a consumer and legislative per-

spective. This wearable sensor innovation aligns well with market growth trends into 2025 anticipated throughout Asia and North America regions. This innovation also aligns with the demand of flexible wearable electronics sought after by tech companies like Apple and Samsung.

The wearable sensor field is at an evolving stage, inviting all sorts of experimentation and inspiration from nature. The ultimate goal is a high performing product to seamlessly blend into our everyday lives. 🌟

### **Did you hear a fish bomb?**

Reef Check Malaysia has decided to put a spotlight on marine debris in this International Year of the Reef, because they are seeing alarming amounts of plastic and other trash on Malaysian beaches, and they'll kick off their campaign with beach cleanups on Tioman, Pethentian, Mabul and other islands. However, fish bombing is still a problem in the area, the organization state. If you are diving in Malaysian waters and hear dynamite fishing in action, you can report it by emailing [reportfishbomb@reefcheck.org.my](mailto:reportfishbomb@reefcheck.org.my) with date, time and location.



### **Divers killed by fish bombs**

Two Chinese tourist divers and their local Bajau dive-master, Ab Zainal Abdu, were believed killed by fish bombs while diving in the waters off Kulapuan Island Resort, Semporna (near Sipadan), Malaysia on July 5. According to witnesses, there were several fishing boats operated by Moken sea gypsies near where the three divers were killed during the incident. 🌟

## July 13 S3 Dive: Monster Berry Beach

The S3 “Secret Spot Dive” lead by the birthday girl, **Barbara Davis**, turned out to be at Monastery Beach, in Carmel. Seven Dippers turned out for the dive. The underwater viz was about +30-feet with a minimal amount of surge during the first dive. The swell picked up a bit for the second dive. As you may know, this is “The” beach to crawl on your hands and knees to get out of the water. Everyone had great dives followed up with lunch at the Rio Grill - celebrating Barbara’s birthday, too! 🌟



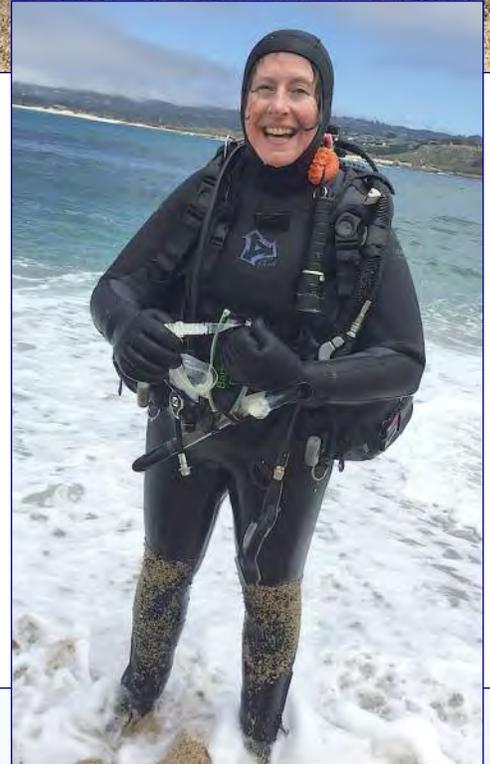
July S3 Divers:  
Above, from left,  
**Donovan Hill,**  
**Howard Timoney,**  
**Barbara Davis**  
(AKA Birthday Girl),  
**Abby Golden,**  
**Teresa Hanson,**  
**Grace Chi** and **Carl Tuttle** - taking photo.



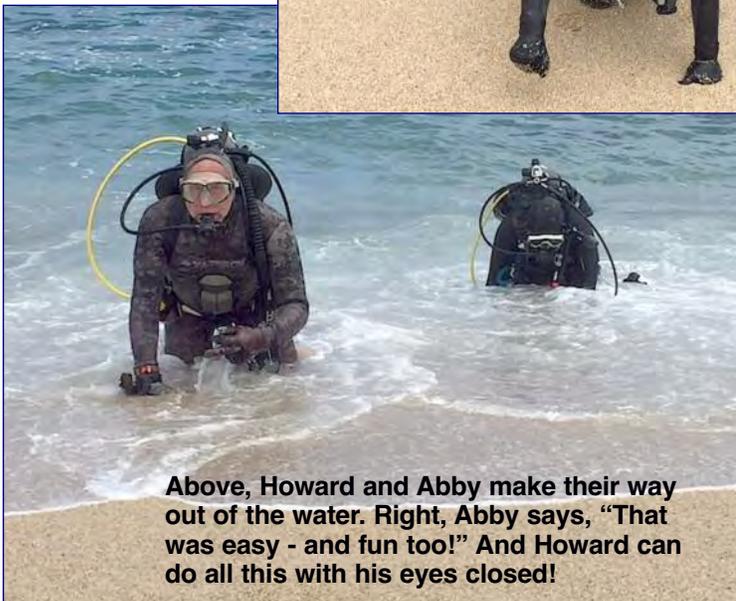
**Donovan is ready to assist Birthday Girl Barbara.**



**Grace survived the Monastery Beach Crawl!**



**Barbara took a head-over-heals tumble getting out of the water but survived. Oh, did we forget to mention it was her birthday?**



Above, Howard and Abby make their way out of the water. Right, Abby says, “That was easy - and fun too!” And Howard can do all this with his eyes closed!



## STAR ACHIEVEMENT PROGRAM AWARD REQUIREMENTS

Jackie Gardner

Ever notice some Club members with Gold Stars on the back of their jackets? Here's how to get yours! These achievements may be accomplished and recorded in any order. Stars will be awarded in numerical order upon completion of all previous requirements. It is the Club member's responsibility to make sure these accomplishments are recorded with the Star Achievement Program Chairperson. All of the below qualifications will be determined and reviewed by the San Jose Flipper Dippers' Star Achievement Program Committee. Chances are, you already qualify for your first or second 'Star' and don't know it. Review the list below - you're on your way!

### 1st STAR AWARD ★

1. Show SCUBA certification from a nationally recognized certification agency.
2. Log ten (10) dives with the Club.
3. Dive to 60 feet in the ocean on a Club dive.

### 2nd STAR AWARD ★ ★

1. Log 20 total dives (not necessarily Club dives).
2. Have current CPR AND First Aid certification.
3. Coordinate two (2) scheduled Club dives.
4. Assist at two (2) scheduled Club activities.
5. Prove ability to use a compass by showing proof of: a) Navigation Specialty, OR b) Advanced Diver certification.

### 3rd STAR AWARD ★ ★ ★

1. Obtain a Scuba Rescue course certification from a nationally recognized certification agency.
2. Complete one (1) year as an active skin and SCUBA diver AND Club member.
3. Complete at least one (1) of the following: a) assist at four (4) club activities, b) coordinate four (4) scheduled Club dives, OR c) dive with four (4) prospective Club members.
4. Have current CPR AND First Aid certification.
5. Show certification of one (1) of the following courses: a) O2 Provider, b) Nitrox, OR c) Advanced Diver.

### 4th STAR AWARD ★ ★ ★ ★

1. Complete two (2) years as an active skin and SCUBA diver AND Club member.
2. Log at least two (2) night dives.
3. Serve as a Club Committee Chair, OR participate in at least two (2) different ocean/dive-related public services.
4. Have current CPR, First Aid AND Scuba Rescue certification.
5. Coordinate the following scheduled Club dives: a) one (1) boat dive, b) one (1) ~~abalone~~ dive, AND c) one (1) night dive.
6. Dive with at least six (6) prospective Club members.

### 5th STAR AWARD ★ ★ ★ ★ ★

1. Successfully complete all previous requirements.
2. Complete three (3) years as an active skin and SCUBA diver AND Club member.
3. Have current CPR, First Aid AND Scuba Rescue certification.
4. Be a nationally certified: a) SCUBA Instructor, b) Assistant Instructor, c) Dive Master, d) Master Scuba Diver, OR e) serve one (1) year as a Club Officer.

## Elkhorn Slough kayak tour August 10 – Sign-up today!

Put August 10th on you calendar as the San Jose Flipper Dippers are planning a kayaking trip into the beautiful Elkhorn Slough in Moss Landing. Because of the tides, we are going to meet at the **Kirby Park launch site** which is inland on Elkhorn Road. **Jim Rezowalli** has one extra kayak but for those without, kayaks can be rented at Monterey Bay Kayaks in Moss Landing.

This year marks the 40th anniversary of the establishment of Elkhorn Slough as a National Estuarine Research Reserve. Elkhorn Slough has just completed the Hester marsh restoration project and is proud it show it off (<https://www.elkhornslough.org/hester-marsh-restoration-0419-update/>).

Elkhorn Slough is an ecological treasure at the heart of Monterey Bay. It provides much-needed habitat for hundreds of species of plants, animals and birds. Meandering seven miles inland from the coast in the center of the picturesque Monterey Bay, the Elkhorn Slough harbors the largest tract of tidal salt marsh in California outside of San Francisco Bay. This biologically rich estuary provides habitat for a diversity of resident and migratory birds, plants, marine mammals and fish, and has been identified as a Globally Important Bird Area by the American Birding Conservancy.

A high concentration of Southern sea otters – reaching

more than 125 individuals – resides in the slough. Hundreds of harbor seals loaf along the shore and large groups of California sea lions add a raucous chorus to the slough in the spring. As part of the Pacific flyway tens of thousands of birds migrate through every year. All told, over 340 species of birds have been identified in and around the slough.



**Meet at Kirby Park** (on Elkhorn Road)

**at 9:30AM on Saturday August 10th.** And don't forget you'll need your wetsuits and PFDs for this kayak adventure.

If you need to rent a kayak contact Monterey Bay Kayaks, Phone: 831-373-5357, [www.montereybaykayaks.com](http://www.montereybaykayaks.com). The shop opens at 9AM so you should make advance reservations and arrive early to have time to get the kayak, paddle and PFD. We'll have some vehicles with racks to help transport your rental to Kirby Park and back after the tour - so let Jim know if you're planning on renting one (Monterey Bay Kayaks requires a \$500 security deposit to self transport).

Plan for about a three-to-four hour paddle in and out of the slough. We also plan for lunch at Phil's fish market afterward. For more information and to sign-up contact **Jim Rezowalli** via email: [jimandthebeach@gmail.com](mailto:jimandthebeach@gmail.com). ★

# DIVE & ACTIVITY CALENDAR

MANUEL MANGROBANG

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AUGUST 2019

**SATURDAY, AUGUST 3  
NO SCHEDULED DIVE**

**WEDNESDAY, AUGUST 7  
BUSINESS MEETING 7:30 PM**

Meeting will be held at **Teresa Hanson's** home (408-966-6433, [teresa33b@gmail.com](mailto:teresa33b@gmail.com)). All members are invited to attend. This is a good time to share your new ideas for dives and entertainment. Refreshments to share are welcome. Warm weather brings out the BBQ, too! So be here by 6:30 with your food if you wish to BBQ.

**SATURDAY, AUGUST 10  
SECOND SATURDAY SCUBA (S3):  
ELKHORN SLOUGH KAYAK  
TRIP** Coordinator: **Jim Rezowalli**, [jimandthebeach@gmail.com](mailto:jimandthebeach@gmail.com). Meet at Kirby Park Moss Landing harbor at 9:30 am. Because of the tides, we are going to meet at the **Kirby Park launch site** which is inland on Elkhorn

Road. For those without kayaks they can be rented at Monterey Bay Kayaks in Moss Landing. See separate article for all the details.

**SATURDAY, AUGUST 17  
NO SCHEDULED DIVE**

**GENERAL MEETING  
WEDNESDAY,  
August 21st**

7:30 PM at the Knights of Columbus Santa Maria Hall 2211 Shamrock Dr., Campbell.

**Celebrate 55 Years of the  
San Jose Flipper Dippers  
at our General Meeting.**

**Entertainment:**

- ★ **Social Hour**
- ★ **Great Raffle**

**THE DOOR PRIZE IS \$20!  
YOU must be present to win!**

**THURS, AUG 22 - SUN, AUG 25  
MONTEREY BAY SHOOTOUT**  
[www.montereyshootout.com](http://www.montereyshootout.com)

**THURS, AUG 29 - SUN SEPT 1  
LABOR DAY WEEKEND BIG SUR**  
Coordinator: **Carl Tuttle**, 408-829-3660, [tutcomms@sbcglobal.net](mailto:tutcomms@sbcglobal.net). Diving, bike riding, hiking, food, campfires and more. Space to share in two campsites. See the July newsletter for more info.

**SATURDAY, AUGUST 31  
NO LICENSE FISHING DAY**

**UPCOMING IN SEPTEMBER**

- 04 Business Meeting
- 08-10 Channel IIs Vaqueros Del Mar
- 14 Second Saturday SCUBA
- 18 General Meeting**
- 21 International Costal Cleanup Day
- 28 Lobster Season Opens



## Cocaine smuggler becomes a new artificial reef

On Saturday June 23, a 180-foot former Bolivian-flagged freighter, most recently called the Voici Bernadette, was towed out to sea and sunk in 100 feet of water off the coast of St. Lucie County, 12 nautical miles southeast of Fort Pierce. It was a project put together under the auspices of The Coastal Conservation Association of Florida and the reef will now be named after one of its founding members, Curtis Bostok. People in a flotilla of small vessels watched as the freighter, donated after it was twice-seized by U.S. Customs and Border Patrol for smuggling cocaine, sank beneath the waves.

Technicians added 200 tons of con-

crete to the cargo holds and used cutting torches to cut six large holes into the hull of the ship. Seawater was pumped aboard which took about an hour to fill. At 11:46 a.m. the Voici Bernadette slipped below the surface. The freighter was donated by U.S. Customs and Border Patrol after it was seized for



smuggling cocaine into Miami from Haiti. Crews and volunteers removed anything from the freighter which could have caused

environmental damage. Lionfish fish attraction devices (FADs) were added to the ship by Vero Beach-based The Frapper.

St. Lucie County recently acquired the Voici Bernadette from the U.S. Customs and Border Protection Agency in Miami. This 180-foot vessel was cleaned, inspected and sunk off the coast in roughly 100 feet of water. This site was named the Curtis Bostick Artificial Reef, thanks to a generous donation from the Coastal Conservation Association (CCA). Post-deployment dives confirm the ship is upright and stationed at the permitted site.

Over the past 15 years, St. Lucie County has successfully deployed more than 55 artificial reefs that provide habitat to essential commercial and recreational fish species, including snapper and grouper, as well as providing critical hard-bottoms for corals and sponges to grow on. ★

**NOTE:** All certified divers are encouraged to attend San Jose Flipper Dippers' dives.

Non-Club members will be required to show proof of certification to the dive coordinator prior to entering the water with our group. Please sign up for dives at the General Meeting or call the coordinator. This is needed in case of cancellation or changes.



# San Jose Flipper Dippers

c/o 1108 Sunset Landing  
Rio Vista, CA 94571-5148



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## 2019 COMING EVENTS

Aug 7	Business Meeting
Aug 10	Elkhorn Slough Kayak Trip
Aug 21	☛ General Meeting
Aug 22-25	The Monterey Shootout
Aug 29-Sept 1	Big Sur - Labor Day Weekend
Aug 31	No License Fishing Day
Sept 4	Business Meeting
Sept 8-10	Channel Islands Vaqueros Del Mar
Sept 14	Second Saturday SCUBA
Sept 18	☛ General Meeting
Sept 21	International Coastal Cleanup Day
Sept 28	Lobster Season Opens
Oct 2	Business Meeting
Oct 12	Second Saturday SCUBA
Oct 16	☛ General Meeting
Oct 19	Wine Tasting & Picnic
Nov 6	Business Meeting
Nov 9	Second Saturday SCUBA
Nov 20	☛ General Meeting - Nominations for Office
Nov 21	Reservations Memorial Day Weekend (May 21, 2020)

### How About You?

We're looking for Club Members to step up and lead a dive. Contact VP **Manuel Mangrobang** to join 'the force.' 🌟



Watch This Space - Much More To Come!  
See the Club's Website for the full Calendar



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