

NEWSLETTER



San Jose Flipper Dippers

JUNE 2019

GENERAL MEETINGS HELD
3RD WEDNESDAY
OF EACH MONTH
WWW.SJFLIPPERDIPPERS.COM



Social Hour & Great Raffle!

At the June 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 upcoming dives 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! Hope to see YOU there! ☆



"A thumbs-up sign communicates 'up' or 'end the dive.' The 'up' signal is one of the most important signals in scuba diving."

Wait, aren't you already at the surface?

In this case **Donavon Hill, Grace Chi** and **Howard Timoney** are giving the "Thumbs Up" sign that all is

good before the start of the May 11th, Pt. Lobos Second Saturday Scuba Dive. There were 14 divers participating and nearly everyone made two dives.

The weather was warm and sunny and the ocean was good too. Everyone stayed for the potluck picnic and enjoyed the great food and shared their dive stories. ☆

Underwater Arctic forests are expanding with rapid warming

Did you know that there are forests in the Arctic?

Lush underwater forests of large brown seaweeds (kelps) are particularly striking in the Arctic, especially in contrast to the land where ice scour (scraping of sea ice against the sea floor) and harsh climates leave the ground barren with little vegetation.

Kelp forests have been observed throughout the Arctic by Inuit, researchers and polar explorers. The Canadian Arctic alone represents 10 per cent of the world's coastlines, but we know little of the hidden kelp forests there.

Today, climate change is altering marine habitats such as kelp forests on a global scale. In western Australia, eastern Canada, southern Europe, northern California and eastern United States, kelps are disappearing due to warming temperatures. In other areas, kelps are being heavily overgrazed by sea urchins. Coastal conditions in the Arctic are changing dramatically and the region is warming faster than the rest of the world, but these changes could actually be good for kelp.

Yet we know little about kelp forests in remote Arctic regions. Our latest research, published in Global Change Biology, uncovers the distribution of Arctic kelp forests and explores how these important ecosystems are changing with the climate.

Proliferation of kelps in the Arctic

Kelps currently occur on rocky coasts throughout the Arctic. The longest kelp recorded in the Arctic in Canada was 15 meters, and the deepest was found at 60-meter depth (Disko

continued on page 4

Refreshments Are Being Served



The following Dippers are asked to bring a tasty goodie to the

next General Meeting: **Jim Rezowalli, Jerry Richards, Steve Richards, Michelle Schimberg** and **Scott Schimberg**. Don't forget you will receive a FREE raffle ticket for your donation! ☆

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PRESIDENT'S CORNER



This May we had a great dive at our Annual Point Lobos S3 Club get together. The conditions were close to perfect. Nice weather combined with great diving conditions including low surge, great visibility (30 ft) and not too much kelp made for great diving. The potluck was successful also. Unfortunately there is evidence of the purple sea urchins taking over some areas.

Our May general meeting had it's Annual Spring Fling Raffle with **Howard Timoney** winning nearly every bottle of wine, and he doesn't even drink! A lot of sad faces among the wine sippers. There was also the Van Damme trip at the end of the month. See the report on Page 7.

For June we have a S3 Boat Dive on the BeachHopperII. This trip is nearly filled so it may not be possible to get on but there may be one opening left.

The Club is also having a San Diego boat trip on June 15 and 16 to the Coronado Islands on Saturday and Wreck Alley on Sunday. Space is still available so contact **Teresa Hanson** for details.

Finally there is a Food Drive at this month's general meeting. Please bring some canned or packaged goods to donate. See the article on page 3.

It looks like June is also going to be a busy time for the Club so please participate and enjoy.

Everyone keep safe and let's go diving! – Your president **Tom**

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: Which statement is TRUE about bristle worms?

- A. They can cause injury with bristle penetration.
- B. An injury inflicted by a bristle worm may cause severe reactions, but typically result in mild to moderate burning, itching and numbing sensations.
- C. They can often be found under rocks or in corals.
- D. All of the above.

Question No. 2: Which statement is FALSE about lionfish?

- A. Lionfish have longer spines than other scorpionfish in the family.
- B. Lionfish can cause ciguatera poisoning.
- C. Lionfish can shoot their spines.
- D. Lionfish envenomations may cause significant pain but are rarely fatal.



Send your answer by email to **Barbara Davis** at 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!



San Jose Flipper Dippers

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RAFFLE NEWS

Leigh Hartley Tuttle

This May's Spring Fling raffle was a great success with loads of thoughtful and creative gifts on the table as well as lots of libations.

The Dippers were all in, with vast numbers of tickets purchased, making up for the door prize and refreshment reimbursements. An easy time for me because I didn't need to write down all of the many donations and the winners, just kick back and enjoy the club and camaraderie.

Larry Ankuda did have one of the most creative donations, his dive maps from his many years of diving. I'm always happy to see Larry at meetings, but I realize he hung up his fins. I bet however, he spends lots of time in Hawaii in the ocean looking at the sea life there. I'm jealous Larry!

THE DOOR PRIZE: "There was no collusion!" The door prize is now \$10 as Leigh Tuttle drew Carl Tuttle's name from the door prize can! He was at the meeting and collected the \$30. Remember, YOU must be in attendance to be eligible to win.

THIS MONTH'S RAFFLE: For this month we're back to our rotation for donations. 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: **Barbara Zwieg, Tony Alarcon, Debby Alarcon, Larry Ankuda, Grace Chi** and **Barbara Davis**. 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. Thank you! ☆

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: **Jackie Gardner, Hunter Reid** and **Bill Shipman**. 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. ☆

Thank You Helen!

A big thanks to long-time friend of the Flipper Dippers **Helen Conway** who donated postage stamps for mailing of the Club's newsletter. Helen, along with former Club Charter Member **Bill Zschaler**, has been involved with many Dipper activities over the years including North Coast campouts and Seafood Dinner Dances. In appreciation of her many years of participation we've kept her on the newsletter distribution list. ☆

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!



Boat Dive in San Diego: June 15 & 16

Teresa Hanson

Hey Dippers we will be going with Waterhorse Charters on their 46-ft. dive boat *Humboldt*, located right in Mission Bay.

June 15th (Saturday) is a 3-tank dive to the Coronado Islands:

\$130/pp +\$30 visa (passport is required)

June 16th (Sunday) is a 2-tank dive in Wreck Alley

(Yukon and the Ruby Ye): \$75/pp

Space is still available so if you're interested in going, let me know ASAP!

Teresa Hanson, phone: 408-966-6433, email: teresa_hanson@comcast.net.

This is going to be a great trip! ☆



FOOD BANK DRIVE AT JUNE GENERAL MEETING!

There will be a FOOD DRIVE at the General Meeting for the **Second Harvest Food Bank**. The Club has done this in the past and members have responded well. Second Harvest feeds an average of 116,000 people per month, more than half of whom are children. Bring a donation to help feed those less fortunate.

All nonperishable and canned donations are appreciated (no glass please). Protein foods are especially needed, as they are always in short supply. Suggested foods include **rice, noodles and pasta, cereal, canned or dried beans, tuna, meat stews, peanut butter, soups, canned fruits and vegetables, juices, powdered milk and pudding**. Check your pantry shelves or make a trip to the grocery store, but bring a donation to the meeting. ☆

Bay, Greenland). Many find it surprising that marine plants can grow so well in harsh Arctic environments.

Kelps have adapted to the severe conditions. These cool water species have special strategies to survive freezing temperatures and long periods of darkness, and even grow under sea ice. In regions with cold, nutrient-rich water, they can attain

some of the highest rates of primary production of any natural ecosystem on Earth.

Kelps function underwater in the same way trees do on land. They create habitat and modify the physical environment by shading light and softening waves.

The underwater forests that kelps create are used by many animals for shelter and food. More than 350 different species — up to 100,000 small invertebrates — can live on a single kelp plant, and many fish, birds and mammals depend on the whole forest. Kelp forests also help protect coastlines by decreasing the power of waves during storms and reducing coastal erosion. A lot of kelp break off or are dislodged from the rock they attach to and end up in nearby habitats where they fuel deep food webs.

Changing climates, forests

As waters warm and sea ice retreats, more light will reach the seafloor, which will benefit marine plants. Researchers predict a northern shift of kelp forests as ice retreats.

Genetic evidence reveals that most kelps reinvaded the Arctic from the Atlantic Ocean quite recently (approximately 8,000 years ago, following the last Ice Age). As a result, most kelps in the Arctic are living in waters colder than their optimal temperature. Ocean warming will also move conditions closer to temperatures of maximum growth, and could increase the productivity of these habitats.

However, other changes are happening in the Arctic that complicate this picture. In Canada, Alaska, Greenland, Norway and Siberia, permafrost soils that have been frozen for thousands of years are receding by half a meter per year. Thawing permafrost and crumbling Arctic coasts are dumping sediments into coastal waters at alarming rates, which blocks light and could limit plant growth. The run-off from melting glaciers will also lower salinity and increase turbidity, which impacts young kelp.

Understanding kelp forests

The Canadian Arctic is the longest Arctic coastline in the world. The earliest scientific records of kelp in the Arctic are from Canada during expeditions in search of the Northwest

Passage. In Hudson Bay and eastern Canada, kelp forests have been scientifically documented between Ellesmere Island and Labrador, and along coasts in Lancaster Sound, Ungava Bay, Hudson Bay, Baffin Bay and Resolute Bay.

In the northwestern Canadian Arctic, lack of rock substrate and a harsher climate support smaller, fragmented kelp forests. However, baseline measures of the extent of kelp communities

are missing in many areas. Unfortunately, lack of information has already made it difficult to tell how kelp forests are changing.

Today, a number of researchers in Canada have partnered with northern communities and organizations to study kelp in the Arctic. The five-year ArcticKelp Project, for example, explores future changes and opportunities these ecosystems could provide. At the same time new technology (underwater lasers) is being developed in collaboration with Inuit fishers to map kelp forests in the Arctic. This is important, because knowledge on Arctic kelp forests could help northern communities and societies anticipate and benefit from these valuable changing ecosystems.

Forest potential

Kelp forests throughout the world play an important role in coastal economies, supporting a broad range of tourism, recreational and commercial activities. Kelp is making its way onto the plates of North Americans, and the kelp aquaculture industry is growing at a rate of seven per cent per year for the last 20 years globally (kelp is a coveted food source in many countries, full of potassium, iron, calcium, fiber and iodine). In the Arctic, Inuit traditionally use kelp as food and wild harvest numerous species.

Arctic kelp forests provide a key example of the diverse responses to climate change. Predictive models and experiments suggest that Arctic coasts are in line to become one of the most impacted environments in the world under changing climate. Yet the possible expansion of kelp forests should provide new habitats for fish and other marine organisms, and enhance a suite of valuable ecosystem services along Arctic coastlines.

This expanding resource may provide needed income to northern communities whose livelihoods are threatened by climate change and other impacts. Anticipating these changes and understanding these new ecosystems will be a key priority for Arctic nations. Just because you cannot see the forests growing in the Arctic does not mean we should not appreciate them and recognize the crucial role they play in the ocean. 🌟



Above, examples of Arctic kelp forests: (A) *Alaria esculenta* in Greenland, (B) *Laminaria solidungula* in the Beaufort Sea, Alaska (Ken Dunton), (C) *Laminaria hyperborea* in Malangen fjord, Norway (Karen Filbee-Dexter), (D) *Saccharina latissima* on sediment in Russia, (E) *Agarum clathratum* and (F) mixed *Saccharina latissima*, *S. longicuris*, *Alaria esculenta*, *Laminaria solidungula* in Baffin Island, Canada (Frithjof Küpper), (G) *Eularia fistulosa* Aleutian Islands, Alaska (Pike Spector), (H) *Laminaria hyperborea* in Murmansk, Russia (Dalnie Zelentsy), (I) *Laminaria digitata* in Svalbard, Norway (Max Schwanitz).

Pt. Lobos S3 Dive



Clockwise above, **Grace Chi** and **Jackie Gardner** enjoying the weather after diving. **Carl Tuttle** brought his kayak. **John Snyder** getting ready to enter the water and test out his scooter. **Michelle Schimberg** is suited up and ready to dive!



Need Kayak Wheels?

Below, **Larry Ankuda** bought this kayak kart from the Club for \$25 and never used it. Fits Ocen Kayak Scupper Pro. Contact Larry (lankuda@comcast.net) if you're interested. Make him an offer he can't refuse!

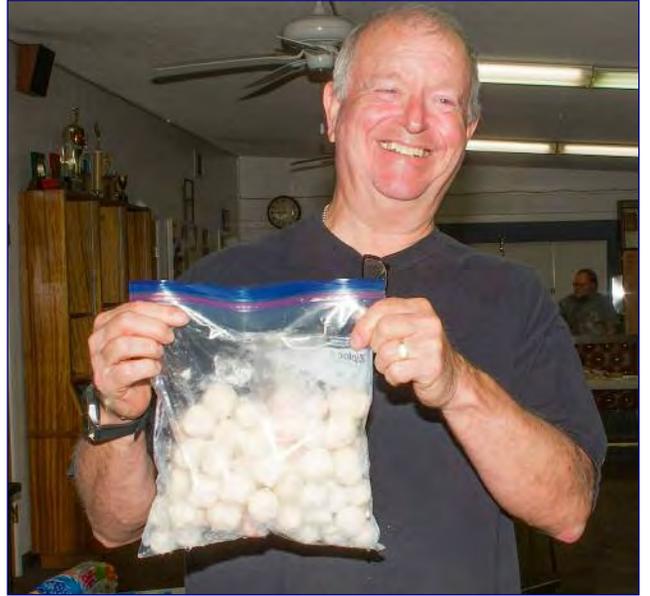


Apollo AV1 Underwater Scuba Scooter for Sale!

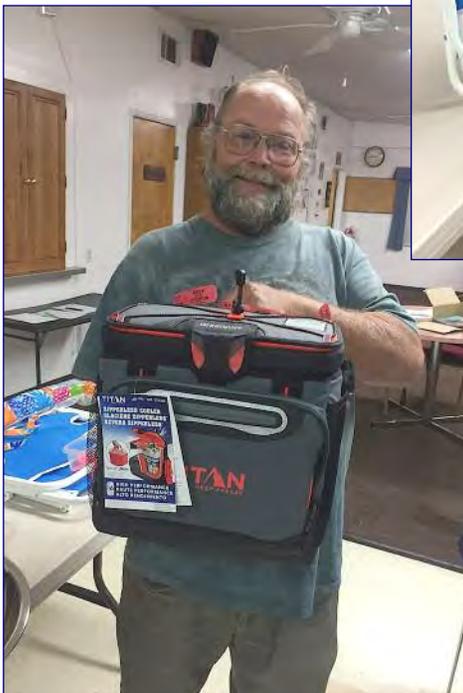
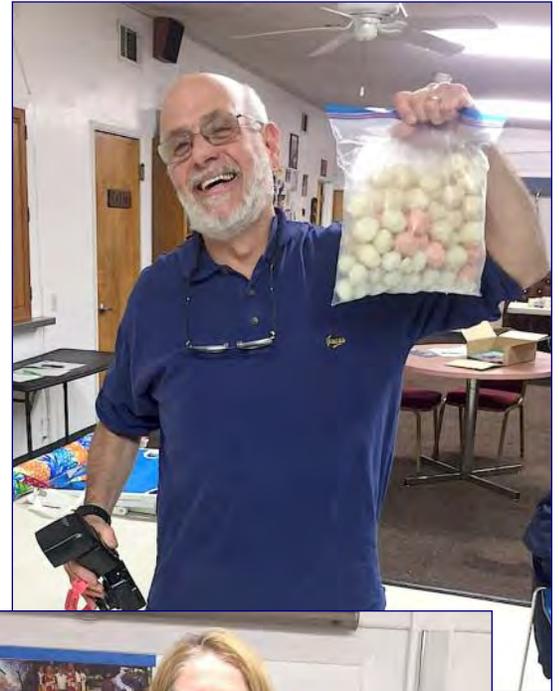
Right, **John Snyder** tested out this scooter during the Pt. Lobos dive to check out the new battery and "O" rings he replaced. Everything worked great! Many divers have used these during lobster hunting in the Channel Islands too. And this underwater scooter can be yours! Contact John for information and price: Phone: 408-202-5196, email: john.fishhunter@gmail.com



Spring Fling Raffle Winners!



Some of the raffle winners: Clockwise from top, **Howard Timoney** strikes again! **Tom Gardner** won some frozen Cuttlefish Balls. **Mike Chalup** got a Bag-O-Balls too! **Michelle Schimberg** scored some wine and a BBQ fish holder, **Steve Richards** took the cooler and **Barbara Davis** picked the umbrella beach chair combo.



DIVE & ACTIVITY CALENDAR

MANUEL MANGROBANG

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JUNE 2019

WEDNESDAY, JUNE 5

BUSINESS MEETING 7:30 PM

Meeting will be held at **Teresa Hanson's** home (408-966-6433, teresa_hanson@comcast.net). 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, JUNE 8

SECOND SATURDAY SCUBA (S3): BEACHHOPPER BOAT

Coordinator: **Mike Chalup**, 408-744-1868. mchalup@virtual.net. Details: Mike is coordinating this S3 dive aboard the BeachHopper II. Go to the BeachHopper's Website to sign up (www.beachhopper2.com). Cost is \$80 for a 2-tank dive (if you bring your own 2 tanks). Reservations might be full at this time. You can also request tanks as part of your registration (per tank charges are \$10 for air, \$15 for

nitrox) and they will be on the boat. Boarding is 8:00 AM at K-Dock, departure is 8:30 AM. Contact Mike for more info. Please have your waiver ready for the boat dive.

SAT. JUNE 15 - SUN. JUNE 16 SAN DIEGO BOAT DIVE

Coordinator: Teresa Hansen, 408-966-6433. teresa_hanson@comcast.net. Details: Teresa is coordi-

nating this dive trip to San Diego for a weekend of diving to Coronado Island (3-tank dive on Sat.) and Wreck Alley (2-tank dive on Sun.). The dive trip is through Waterhorse Charters: www.waterhorsecharters.com for information. More information inside this newsletter about the trip.

SATURDAY, JUNE 22 NO SCHEDULED DIVE

SATURDAY, JUNE 29 NO SCHEDULED DIVE

UPCOMING IN JULY

- 06 No License Fishing Day
- 07 Panther Beach Clean Up
- 10 Business Meeting
- 13 Second Saturday SCUBA
- 17 General Meeting**
- 27 Halibut Dive

GENERAL MEETING WEDNESDAY, June 19th

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:

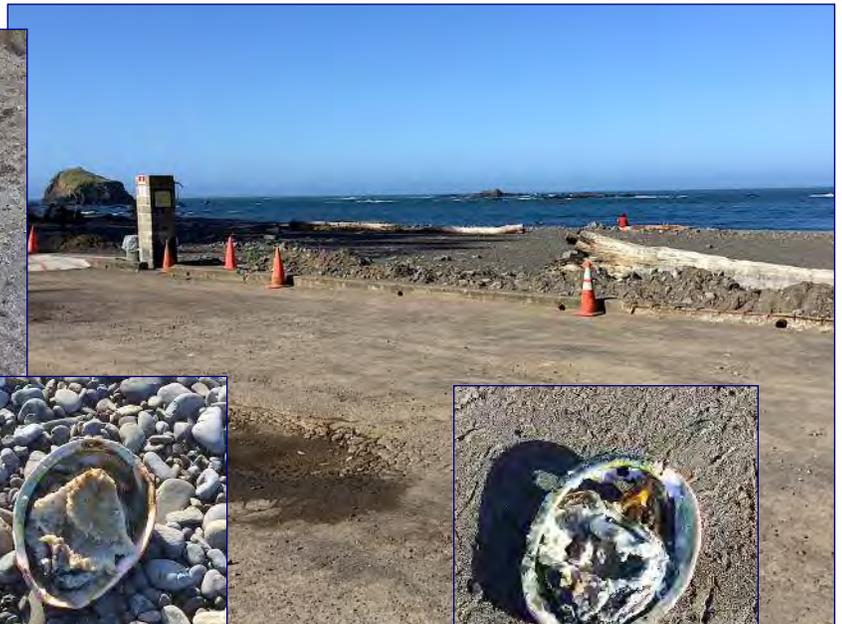
- ★ **FOOD DRIVE**
- ★ **Social Hour**
- ★ **Great Raffle**

**THE DOOR PRIZE IS \$10!
YOU must be present to win!**



Memorial Day Weekend

A few Dippers went north for Memorial Day Weekend even though no abalone could be taken. **Carl** and **Leigh Tuttle** and **Jim Rezowalli** were camping at Van Damme State Park and **Tony** and **Debby Alarcon** camped at Albion Flat. Due to previous weeks rains and rough ocean conditions everyone stayed out of the water. At 8:45 AM on Saturday morning there were hardly any cars in the beach parking lot. The empty parking lot is most likely the result of the closure of abalone fishing. The state is in process of repairing the concrete wall. Carl did notice some small abalone which were tossed up on the beach at high tide and the seagulls were picking at them. Jim and Carl did take a couple of hours bike ride along the coast at Ft. Bragg on the sunny Saturday. ★



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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FIRST CLASS MAIL

2019 COMING EVENTS

June 5	Business Meeting
June 8	Second Saturday SCUBA: Boat Dive
June 15-16	San Diego - Wreck Alley Dive
June 19	☛ General Meeting - Food Drive
July 6	No License Fishing Day
July 7	Panther Beach Clean Up
July 10	Business Meeting
July 13	Second Saturday SCUBA
July 17	☛ General Meeting
July 27	Halibut Dive
Aug 1	Business Meeting
Aug 10-12	Monterey Bay Shootout
Aug 11	Second Saturday SCUBA
Aug 15	☛ General Meeting
Aug 30-Sept 2	Big Sur - Labor Day Weekend
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

The Halibut Are In!



Early reports are in that squid are in and the halibut too! Keep your spears crossed that this year will be a good one. Join fellow Flipper Dippers on July 27 for the year's first halibut dive. 🌟

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



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