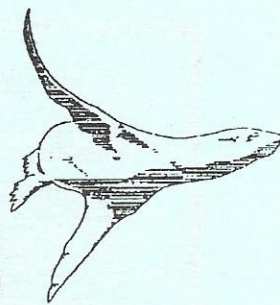


# THE SEA DIVERS



## EXECUTIVE SUMMARY . . . . MEETING PLACE ISSUES

In essence we have lost both our General and our Executive Meeting places.

Pancho & Wong's closes in March, having been bought by new owners who, we understand, plan significant renovations -- it is not clear if we can return later, or when "later" is.

Baxter's is now a Reuben's, and although the Executive Committee met there on 14 March 1991, we have lost the small room we had used as a result of the changes.

For April only we will hold the General Meeting at Ken and Dicie Sizemore's home, 4515 Toucan Street in Torrance, at 7:00 PM, 2 April 1991. Also for April only, we will hold the Executive Meeting at Barbara and David Serena's home, 2200 Pullman Lane, Redondo Beach, at 7:00 PM on 11 April 1991. We are pursuing several possibilities for meeting places within the South Bay -- any suggestions are welcome! Obviously, this is the main club issue as of now and we hope to have solutions quickly! Stay tuned.

Linda Monosmith would like feedback on which of the following long-range trips would most likely be preferred by interested club members:

- 1) Windjammer Cruises to the British Virgin Islands -- 6 days, 3 days diving.  
Approximately \$1,600.00.
- 2) Aquanaut Explorer to the British Virgin Islands -- 7 days, 5 days diving.  
Approximately \$1,600.00.
- 3) Cayman Islands -- 7 days, 5 days diving.  
Approximately \$1,200.00 plus food.

More details in next month's newsletter.



## CLUB HISTORY/REMINISCENCES

The April General Meeting will be held at our home (4515 Toucan Street, Torrance) on Tuesday, 2 April at 7:00 PM. In concert with the fact that the club has just past its 25th anniversary, in lieu of a formal program, we will have an open forum on club history, past events, and recollections of long-time/old-time members, story telling, etc.

We hope to see many of you Tuesday evening. If you have any memorabilia (pictures, photo albums, etc.), please bring them along to share with the club.

Dicie Sizemore  
Program Chairman

## EXECUTIVE DIRECTORY

<u>POSITION</u>	<u>NAME</u>	<u>DAY PHONE</u>	<u>EVENING PHONE</u>
PRESIDENT/BOAT DIVE CHAIR	ALLEN PARKER	813-2955	370-1657
VICE PRESIDENT	MICHAEL BORDEN	813-4967	372-7764
TREASURER/MEMBERSHIP CHAIR	KATHI McNALLY	812-1137	370-1657
SECRETARY/BEACH DIVE CHAIR	CATHY GALE	223-3344	305-8625
DIVING OFFICER	KEN SIZEMORE	410-3932	371-2636
BOAT DIVE RESERVATIONIST	SCOTT WILLIAMS	410-4588	371-9985
PROGRAM CHAIRMAN	DICIE SIZEMORE	648-6473	371-2636
NEWSLETTER EDITOR	BRUCE GILES	813-5414	924-6128
HOSPITALITY CHAIRMAN	ROBIN GRANT	823-2552	823-2552
LONG RANGE PLANNING	LINDA MONOSMITH	376-8956	376-9226
GLACD REPRESENTATIVE	ART HILL / LINDA MONOSMITH	376-8956	675-2123 376-9226

### WRITING FOR THE SEA DIVERS NEWSLETTER

If you would like to write an article for the newsletter or you have an idea to improve it, please write to Editor Bruce Giles, P.O. Box 2415, Redondo Beach, CA 90278, or call me at the above numbers. I am always in need of Lessons Learned articles and new graphics or cartoons. Inputs should be typed, but can be handwritten (not responsible for errors caused by illegible handwriting). Permission is given to reproduce in whole or part. Please give credit to the author and/or The Sea Divers Newsletter.

## GENERAL MEETING

GENERAL MEETINGS are held at 7 PM the first Tuesday of each month.



EXECUTIVE MEETINGS are held at 7 PM on Thursday the week following the General Meeting.

## APRIL ONLY!

General Meeting: 7:00 PM - 2 April 1991  
Ken & Dicie Sizemore's home  
4515 Toucan Street  
Torrance

Executive Meeting: 7:00 PM - 11 April 1991  
David & Barbara Serena's home  
2200 Pullman Lane  
Redondo Beach

## MEMBERSHIP APPLICATION

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
HOME PHONE (\_\_\_\_) \_\_\_\_\_ WORK PHONE (\_\_\_\_) \_\_\_\_\_  
ADDITIONAL NAME: [FAMILY MEMBERSHIP] \_\_\_\_\_  
EMERGENCY CONTACT \_\_\_\_\_ PHONE (\_\_\_\_) \_\_\_\_\_  
EMPLOYER \_\_\_\_\_  
CERT NUMBER \_\_\_\_\_ TYPE [PADI, NAUI, ETC.] \_\_\_\_\_  
CERT DATE \_\_\_\_\_ LACC ADP \_\_\_\_\_ DATE \_\_\_\_\_  
(or equivalent)  
NUMBER OF DIVES LOGGED \_\_\_\_\_ DATE OF LAST DIVE \_\_\_\_\_  
Do you want your name on a dive buddy list? [ ] YES [ ] NO  
Type of diving preferred: beach/boat/skin \_\_\_\_\_  
[ ] SINGLE MEMBERSHIP \$20.00 (Prorated quarterly for new members)  
[ ] FAMILY MEMBERSHIP \$30.00 (Prorated quarterly for new members)

Please make your checks payable to THE SEA DIVERS and mail to:

THE SEA DIVERS, P.O. BOX 2415, REDONDO BEACH, CA 90278

## A DIVE WITH ALMOST EVERYTHING!

13 APRIL 1991 (Saturday)

"OLYMPIC" WRECK/CATALINA

CHARISMA

MEMBERS \$63

(ALL INCLUSIVE)

NON-MEMBERS \$70

WRECK, ABALONE, SCALLOPS, FISH and great opportunities for PHOTOGRAPHY or VIDEO are all features of this somewhat different dive on the CHARISMA out of 22nd Street. This single day affair will leave the dock at 7:00 AM prompt and be over the wreck of the "OLYMPIC" ready for diving by 8:00 AM -- a nice leisurely start to the day!

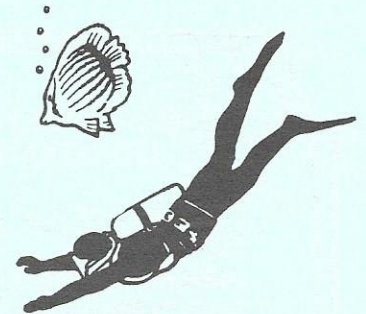
The "OLYMPIC" is a deep (90-100 feet) dive, but is one of the more spectacular wrecks in the area. The "OLYMPIC" was built in Belfast, Ireland, and launched in 1877 as the "STAR OF FRANCE." She was an iron hulled, square-rigged bark of 1,644 tons, 258 feet long and 38 feet wide. Some 63 years later she was rammed amidships by the "SAKITO MARU" around 7:00 AM on 4 September 1940, and sank within minutes with 17 of 24 on board surviving. The "OLYMPIC" lies essentially on the starboard side in about 100 feet of water. The highest part of the bow is about 70 feet below the surface with the bowsprit extending out over the sandy bottom. The midship section is approximately parallel to the sand and is in relatively poor shape; however, mast stubs are visible, as is the deck pump and its large spoked wheels. Also, if you spend a little time on the port side, you can still see the remains of the huge V cut by the "SAKITO MARU." The top of the stern is about 80 feet below the surface and this section is between 40 and 50 feet long. The whole wreck is covered with strawberry anemones. It is a fascinating dive.

Following the "OLYMPIC" dive, we will cruise over to the frontside of CATALINA, partaking of full breakfast on the way over. We will head towards the Isthmus area and then work our way back along the coast towards Avalon making at least three and maybe four shallower dives. ABALONE, typically pinks and greens, can be found in these waters of sometimes steep and rocky areas. Most of the pinnacles and reefs contain SCALLOPS and great opportunities for both PHOTO and VIDEO buffs. Spear hunting of the local FISH can also be rewarding, especially Calico Bass, which are a challenge to any self-respecting diver!!

You can't want for much more than this trip offers. An almost everything dive on board the mighty "CHARISMA," that will provide diving for all skill levels. If you haven't dived for a while, the Catalina diving will make for a good way to get back into the water. Call Scott (Williams) at (213) 371-9985 for sign-up -- should be a great series of dives with added Sea Diver goodies besides!

### BACK 22 YEARS AGO . . . .

Phil Siebold was President; Marc Gottlieb, Vice President; Jack Trageser, Treasurer; and Mary Boyd, Secretary. Club dues were \$4 for TRW members and \$5 for non-TRW members, and we met lunchtime at TRW in building M2, Room 2105 --- right next door to my present office!! The club (and diving in general) was in a rapid growth period with membership growing, between 1968 to 1969, from about 60 to over 120. The April newsletter was pink and there were several comments about overdue dues -- 22 years and it doesn't change!! Apparently there were significant sightings of tiger and blue shark on the lee side of Catalina causing some concerns for divers. The April boat dive was on "Atlantis" to Santa Barbara Island from Marina del Rey at \$13 round trip -- how much one way?! Paul Mesiter was beginning a Junior Frogman Program for Kids.



### **U.S. DIVERS CO. URGENT SAFETY NOTICE ! ! !**

Based upon new information, U.S. Divers Co., Inc., has voluntarily decided to extend the field recall involving suspect pressure seats to include all seats in use in U.S. Divers' regulators manufactured or serviced between 1 July 1988 and 15 August 1989. These seats may also have the potential of delaminating under pressure and producing a free flow that may make it difficult or impossible for the diver to breathe off the second stage. The recall now covers regulators manufactured from 1 July 1988 to 25 August 1990, or serviced from 1 July 1988 to the present.

If you have a U.S. Divers regulator, be safe and take it to your dealer to have it checked. The only acceptable seats are those which are marked with either "double check marks" or a 5-digit date code on the stem side. Any seats with a single check mark or without any marks on the stem side **MUST** be replaced! This information is different than that which was previously given to dealers during the first recall, so even if you had your regulator checked at that time, you must take it in to be checked again. The following is a quote from the U.S. Divers notice to dealers -- "failure to heed this warning could result in injury or death."

## PEACE!

10/11 MAY 1991 (Friday/Saturday) SAN MIGUEL/SANTA ROSA/SANTA CRUZ

PEACE

MEMBERS \$165

(ALL INCLUSIVE)

NON-MEMBERS \$180

Believe it or not, it's time for our first of three two-day trips on the "PEACE" out of Ventura Marina. It is a Friday/Saturday/everything included charter headed for SAN MIGUEL. On our way out and/or back, we will probably make dives around SANTA ROSA and the western environs of SANTA CRUZ, where several of us went ashore last year courtesy of the Zodiac.

ABALONE (mostly reds), SCALLOPS (some big ones), and FISH (all varieties) will be the order for the days for the game takers. Great PHOTO and/or VIDEO opportunities abound both above and below water. Diving conditions on our two day trips typically are acceptable for most skill levels - dependent on ocean conditions and specific dive sites. Should conditions permit, we will make a run at WILSON ROCK, which is, to most, a world-class dive and not for the inexperienced except on "perfect" days.

The "PEACE" has great amenities ranging from a well-organized and equipped bunk area for 32 souls (25 divers, 3 divemasters and 4 bubblewatchers); a large galley with color TV and two digital VCRs; stereo; superior food courtesy of Maggie and Donna; a great owner (Bill M); friendly skipper (Mike R); a sun deck and, of course, the infamous hot tub -- if only it could talk!

The "PEACE" two-day charters fill fast -- make sure you are on board by calling Scott (Williams) at (213) 371-9985 for early sign-up. Boarding will begin at 7:00 PM on Thursday the 9th for an early AM departure on the 10th. We will be providing club "extras" and awards on the trip with a "surprise package" for those who sign up and pay in full by 12 April 1991. COME DIVE AND CRUISE WITH US . . . BRING A FRIEND!

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REDONDO BEACH, CA. 90277  
PHONE (213) 373-6355

### THE SEA DIVERS SHOP

- Oceanic Data Master Sport Computer with compass - 20% off.
- Annual regulator service, Sea Divers only -- 25% off.
- Air cards -- 12 fills --- steel \$15, aluminum \$24.



## SANTA BARBARA "W.W." QUOTES

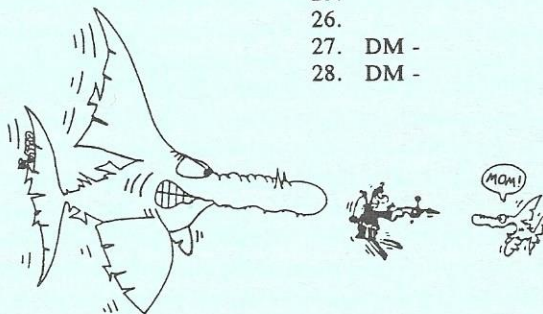
- "Guess what. Last night I discovered I'm a natural born breast stroker."
- "You're eating the wrong end."
- "Wait. I have to put up the thing."
- "Woops, I almost sat on your head."
- "Anybody who can drink that much Philippine beer has got to be in serious trouble tomorrow."
- "Wes is really sawing logs."
- "Knowing this club, we may have to reduce the size requirement."
- "We like our sweaters a little tighter than that."
- "No one can exaggerate how badly this sucks."
- "Watch the hose when you sit on the toilet."
- "Hey, quit stroking the captain."
- "You just have to lay there."
- "I just banged the shit out of 'em."
- "I pee'd so much on that dive I filled my wet suit up to my nipples."
- "Greg's swimming like hell -- he heard the throb of departure."
- "They feed you like a horse on this boat."
- "This is the only dive boat I know of that has a bidet."

## DIVE COMMITMENTS

13 APR (Saturday)  
CHARISMA

10/11 MAY (Fri/Sat)  
PEACE

- |                     |                     |
|---------------------|---------------------|
| 1. KATHLEEN BENNETT | 1. KATHLEEN BENNETT |
| 2. MICHAEL BORDEN   | 2. MIKE BUTLER      |
| 3. PAUL CAIN        | 3. KATHY DACEY      |
| 4. NANCY COOK       | 4. CATHY GALE       |
| 5. BRIAN DEMPSEY    | 5. BRUCE GILES      |
| 6. BRUCE GILES      | 6. RON GROSS        |
| 7. RON GROSS        | 7. SHARON HALE      |
| 8. STEPHEN HARBIN   | 8. ART HILL         |
| 9. ART HILL         | 9. PAUL KAMINSKI    |
| 10. SUE HOEHN       | 10. PETE KENEFICK   |
| 11. STEVE LEWIS     | 11. PETER LANDECKER |
| 12. DAVID McCRACKEN | 12. DAVID McCRACKEN |
| 13. KATHI McNALLY   | 13. KATHI McNALLY   |
| 14. LINDA MONOSMITH | 14. LINDA MONOSMITH |
| 15. DAVE NESHEIM    | 15. DAVE NESHEIM    |
| 16. ALLEN PARKER    | 16. ALLEN PARKER    |
| 17. AL PRATA        | 17. ROSE SILVA      |
| 18. BILL RUSCH      | 18. DICIE SIZEMORE  |
| 19. JOANNA RUSCH    | 19. KEN SIZEMORE    |
| 20. CANDY SCHMITT   | 20. WES STEPP       |
| 21. ROGER SCHMITT   | 21. BOB STIVERS     |
| 22. DICIE SIZEMORE  | 22. MARY WASYN CZUK |
| 23. KEN SIZEMORE    | 23.                 |
| 24. MARY WASYN CZUK | 24.                 |
| 25.                 | 25.                 |
| 26.                 | 26.                 |
| 27.                 | 27. DM -            |
| 28.                 | 28. DM -            |
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## **THE SEA DIVERS 1991 DIVE BOAT BONUS PROGRAM**

- The program is open only to club members.
- Base period will be 1 January 1991 through 30 November 1991.
- Members must have supported a minimum of four dive days (i.e., four single-day dives or one two-day and two single-day dives, or two two-day dives). There are sixteen dive days scheduled in the base period.
- Free trips do not count, nor do club certificate dollars.
- For divemasters all days count, dollar amounts will count to the extent received by the club.
- The club will pay a 5% bonus on dollar amounts accrued by qualifying members.
- The bonus can only be used on the Peace two-day scheduled for 13/14 December 1991. The bonus amount will be refunded to each qualified diver on the dive.

## CLEAN-UP RETROSPECTIVE

The 11th Annual Avalon Harbor Clean-Up was held Saturday, 23 February 1991, and The Sea Divers were in support once more -- we've been attending this event for about eight years, and plan on supporting the 12th!

We decided to change hotels this go around and instead of using our old standby, The Bay View, elected to try the Seaport Village Inn. Price was somewhat higher, but the hotel was much nicer. We had some difficulties with the front desk, the computerized confirmations, and room allocations, but all in all, in retrospect it worked out okay.

The mid-Friday afternoon run over on Catalina Express -- also a change for us -- was just beautiful, flat all the way and fast. The baggage folks were waiting for us (another near first!) and we were all checked in and ready to go by 6:00 PM. We hit the Mexican restaurant just down the road; had some not-so-Mexican fare, then either retired for the evening or hit Chi Chi's for a short while, depending on individual desire.

Breakfast was served in "Cafe 105" with chief chef Parker in personal attendance. We had bacon, eggs, hash browns, muffins, donuts, coffee, orange juice, etc. -- all served elegantly (!) and delicately (?) while watching the Gulf War on CNN. The baggage truck arrived almost on cue at 9:20 AM. We loaded up and headed over to Casino Point -- the blue station -- for our check in, briefing and T-shirt pickup. Everything seemed more leisurely this year and the 10:30 AM start cannon went off before most of our divers were fully suited up. Once in the water, which was about 60 degrees F with excellent visibility (up to 30'), the trash collection began and by the end of the day some 7000-8000 pounds of garbage was up and mostly in the truck. The Sea Divers' take included three spent mortar shells, tail cone, and everything; a compressor; glasses; a full 1.75 liter bottle -- smelled ugly; a quarter; a water pump; small shell case; flashlight, etc., all by Ken S and Kathleen B. Scott W and Cathy G nabbed matching underwear; a Quicksilver sweatshirt; golfer's towel; hair brush; two pennies; unopened fishing weight; an unopened full Coors Light bottle (more later); etc. David S and I had an old milk bottle; a small turn-of-the-century bottle; 12-14 feet of 4" rubber hose and the most junk of our group, part of which was graciously brought back by Ken S in David S's goodie bag -- which David had dropped near one of the moorings!! On the second dive, David pulled out a boat sink. Ron G and Mary W -- their first experience -- had lots of bottles, cans, and general trash. Others at our station hauled in parts of small boats; tires; outboards; a large swim step; many bottles, cans etc.; some of which were antiques and kept as souvenirs.

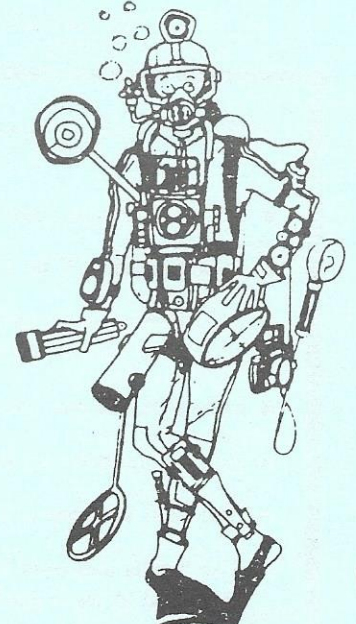
The awards ceremony was held at 4:30 PM in Wrigley Plaza, and for the first time since I've been supporting the Clean-Up, The Sea Divers were skunked! There were only a very few real awards -- the others were either "door" prizes or raffle prizes. The raffle was to raise money for the Avalon swimming pool and for the Hyperbaric Chamber -- both worthy causes. I personally would like to see less door prizes and more REAL awards.

Ceremonies were completed and most of us cleaned up in order to return to dinner at Antonio's at 6:30 PM. We had reserved a room in the back, but upon arrival were told it was too small for our party . . . ah, well. The food was good, the company great and all in all our day had been pretty good. Dinner over, half of our group returned to the jacuzzi at the hotel; the others went out and terrorized the town along with what was left of almost 300 divers!!

Sunday AM saw us back at "Cafe 105" with a semi-repeat of Saturday's breakfast fare. With no diving planned, we anticipated playing tourist for the day and rented three carts for fourteen of us to take the local tour -- it was something between a tour and a cart race with pit stops for photo taking, etc. Everyone survived and we returned to the hotel for our mid-afternoon barbeque and club awards activity. The afternoon was warm, and jacuzzi and patio-duty were very pleasant and relaxing. We awarded Ken S and Kathleen B a \$25 gift certificate each for their part in the Clean-Up. As part of the activity, we opened the Coors Light recovered from the harbor the day before -- it was still okay and drinkable!!!

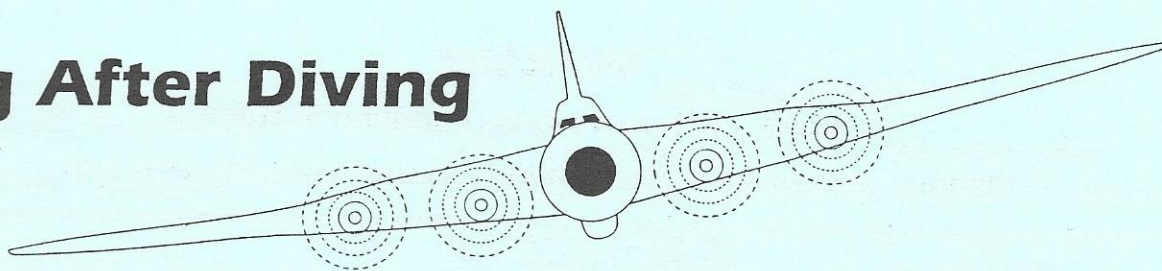
Those of us leaving on the 7:30 PM Express back to San Pedro loaded up our baggage onto the truck at 6:15 PM and then meandered back to the mole. The run back was uneventful and even smoother than the Friday run over to the Island. Five Sea Divers stayed until Monday -- we couldn't unfortunately due to schedules at work -- what a bummer!!!

With the 11th over, we are already looking forward to the 12th. We hope to get earlier and better information from the organizers so we can plan our trip earlier and better -- right now we are assuming it will be the 22nd of February 1992!!



# Flying After Diving

Gain Wong B.A., M.A.



**F**lying too soon after diving can seriously jeopardize decompression safety.

Although aircraft cabins are pressurized, cabin pressures are typically equivalent to high altitude exposures of 5,000 feet (1,500 m) to 8,000 feet (2,400 m). This pressure reduction is sufficient to create havoc with the normal nitrogen elimination process.

In the early 1960's, the U.S. Navy adopted special procedures to address the problems of air travel after diving.

The Navy recommended a minimum surface interval of 12 hours before flying, and a cabin pressure equivalent to an altitude of no greater than 18,000 feet. The Navy figures coincided with the maximum surface interval time and the altitude at which aviators commonly experienced aviation decompression sickness. The U.S. Navy guidelines were designed for flying after a single no-decompression dive.

At the time, sport diving was still in its infancy and many divers ignored the Navy recommendations. Some divers speculated that shorter surface interval times could be applied because the pressure in commercial aircraft cabins would never be as low as the atmospheric pressure encountered at 18,000 feet.

In the ensuing years, the old Navy guideline of 18,000 feet was changed to a maximum cabin pressure equivalent to 8,000 feet (current FAA guidelines stipulate that a commercial airliner cannot allow the cabin pressure to drop below a pressure equivalent altitude of 8,000 feet).

There was a proposal to use the E.R. Cross altitude conversion table to pre-plan dives at sea level so that the diver could board a plane shortly after surfacing. Accordingly, the sea level dive would be calculated as if it were being conducted at the altitude of flight or at the aircraft cabin pressure equivalent.

If the cabin pressure was equivalent to 8,000 feet and the actual depth of the sea level dive was 50 feet, the dive would be conducted as if it were a high altitude dive to an effective depth of 70 feet. It was erroneously assumed that it would be safe for the diver to fly in a pressurized aircraft immediately after surfacing.

Proponents of this procedure were not aware of the explosive effect that a rapid pressure reduction could have on a diver with residual nitrogen and intravascular micro-bubbles. In cases where this procedure was

assumed to have been successful, the absence of decompression sickness (DCS) was more likely due to the elapsed surface interval between surfacing and boarding the flight.

Several other schemes for flying and diving came into popular use in the USA during the 60's and 70's.

In the late 60's, P.O. Edel, a NASA scientist, devised a procedure based on his studies of tissue nitrogen tensions during reductions of ambient pressure. Edel's conclusion was that a diver conducting a single no-decompression (No-D) dive could board a plane only two hours after surfacing if the cabin pressure did not drop below the equivalent pressure reduction experienced at an 8,000 foot altitude.

Edel's theory intentionally disregarded repetitive diving and also ignored the possible development of some forms of DCS. However, Edel recommended a minimum 24 hour surface interval before flying if a dive exceeded the USN No-D limits.

In the early 1970's, a repetitive group schedule for diving and flying was developed by C.L. Smith. According to Smith's proposal, divers would let their repetitive group letter drop to a stated minimum group before boarding a plane. The required group letter designations were determined according to the anticipated altitude of flight or, in the case of pressurized aircraft, the equivalent cabin pressure. Although Smith's schedule was too permissive, his idea was innovative and it generated considerable discussion among divers in the 1970's.

One of the most highly publicized schemes for flying after diving was the "D group theory" devised by divers associated with the National Oceanic and Atmospheric Administration (NOAA). The "D group theory" applied the 8,000 foot maximum altitude that P.O. Edel had proposed, and assigned a minimum group letter similar to the procedures put forward by C.L. Smith.

According to the "D group" proposal, air travel was permissible once the diver's repetitive group letter had dropped to "D." Theoretically, this procedure could be utilized even if repetitive dives or decompression dives were conducted. The "D group theory" was a highly controversial issue in the diving community.

The "D group theory" and the other shortcuts for flying after diving were well-

intentioned, but ill-conceived. Those procedures were designed around USN dive table protocols, and were proposed at a time when research into the effects of asymptomatic bubbling was in an embryonic stage.

Within a decade, dramatic technological advances in high speed computers, Doppler ultrasonic monitors, and hyperbaric research methods would revolutionize our understanding of gas kinetics and decompression.

Initial Doppler research conducted by Spencer during the early 70's determined that venous gas bubbles formed readily after diving in 20 percent of subjects. Benign bubble formation in asymptomatic individuals became known as "silent bubbles."

Based on current data pertaining to the prevalence of "silent bubbles," it is clear that divers would be at great risk practicing any of the procedures mentioned above.

Once bubble formation is present, any major reduction in atmospheric pressure can lead to significant bubble expansion abetted by the diffusion of oxygen and carbon dioxide from gas saturated tissues.

If there are intravascular bubbles present when a diver boards a plane, the reduction in cabin pressure during flight may compromise decompression safety by allowing "silent bubbles" to expand to symptomatic size. Since the discovery of asymptomatic bubbles in divers, the trend in decompression safety has been toward conservative rules for flying after diving.

Divers Alert Network and DCIEM (Defence and Civil Institute of Environmental Medicine) have taken the position that sport divers should allow *at least 24 hours* to elapse before boarding a plane after dives calculated according to the USN tables.

In February 1990, the Undersea and Hyperbaric Medical Society (UHMS) held a special workshop on flying after diving. The recommendations from that workshop support the 24 hour rule, but also provide for a 12 hour option to cover No-D dives conducted within the past 48 hours.

However, the best advice for sport divers would be to consider 24 hours the *minimum* time before flying after scuba diving.

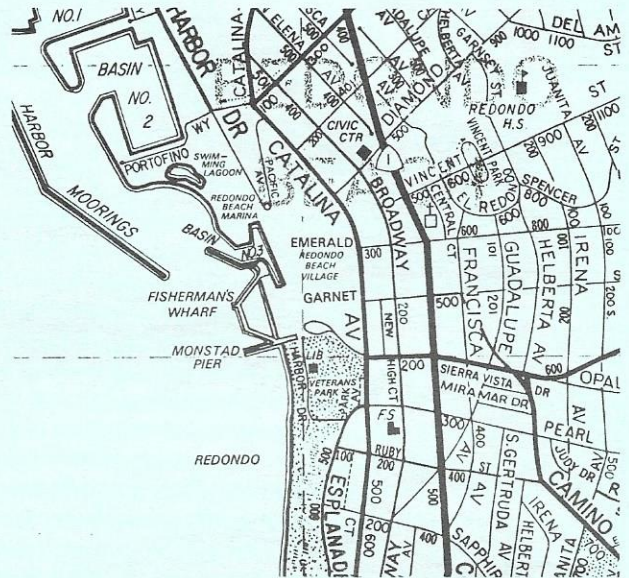
## BEACH DIVE

**5 MAY - VETERAN'S PARK, REDONDO BEACH**

**DIVING - REFRESHER COURSE - BOUILLABAISSE COOKOUT/POTLUCK**

We will dive just south of the pier at Redondo adjacent to Veteran's Park. For those unfamiliar with the dive site, it offers an easy sandy beach entry. The surf is typically small due to the Redondo Canyon at this location. Following a sloping sand bottom, the diver encounters the old Redondo Pier pilings about 50 feet out. They stand above the sand bottom reaching 10 feet and more toward the surface. Their long submersion leaves them covered with red corinactus and hollowed out havens for crabs. Continuing further, the pilings end in about 80 feet of water over the edge of the Redondo Canyon. Anyone requiring a short "refresher" in diving should contact Ken Sizemore for appropriate arrangements. Park in the Redondo Beach Municipal parking lot on the south side of Veteran's Park at 25 cents an hour (so bring quarters!!!).

Grande Master Chef Parker will be stirring up a warm and filling pot of bouillabaisse that is guaranteed to satisfy the most discriminating diver. "Le Chef" asks all who plan to partake of this tasty concoction to **BRING SEAFOOD, CAUGHT OR BOUGHT, TO CONTRIBUTE TO THE POT**. Crusty bread will be provided, but bring your own beverages, other accompaniments, and a potluck if you are not into bouillabaisse!



If you're not planning to dive, and just want to enjoy the companionship and good food, plan to be at Veteran's Park in Redondo Beach by 12:00 noon.

The approximate schedule is as follows:

9:00 AM - 11:00 AM  
11:00 AM - 1:00 PM  
1:00 PM - 5:00 PM

Dive as desired  
Prepare bouillabaisse  
Eat and socialize

Veteran's Park is shown on the map above. Allen "Le Chef" Parker is the key contact at (213) 813-2955 [work] or (213) 370-1657 [home].

**THIS PARTICULAR EVENT HAS BEEN A GREAT SUCCESS IN THE PAST -- HOPE TO SEE YOU THERE -- DON'T FORGET THE SEAFOOD!!**



### **1991 BEACH DIVE SCHEDULE**

<u>DAY</u>	<u>DATE</u>	<u>WHERE</u>	<u>FEATURE</u>	<u>KEY CONTACT</u>
SUN	5 MAY	VETERANS PARK	REFRESHER, BOUILLABAISSE	ALLEN PARKER
WEDS-SUN	3-7 JULY	JADE COVE	JADE, CAMPOUT, ETC.	CATHY GALE
FRI-SUN	23-25 AUG	LA BUFADORA, MEXICO	POTLUCK, CAMPOUT	MICHAEL BORDEN
FRI-MON	30 AUG/2 SEP	CATALINA CAMPOUT	POTLUCK, CAMPOUT, ETC.	KEN SIZEMORE
SAT	13 OCT	WHITE POINT	PUMPKIN CARVING CONTEST	KATHLEEN BENNETT
FRI-TUES	(TBD) NOV	COZUMEL, MEXICO	BOAT, BEACH, PARTY, TOURS, ETC.	LINDA MONOSMITH

## WILD WAVE AT SANTA BARBARA

We arrived at Santa Barbara Island over Purple Coral Reef, northwest of Webster Point, at about 7:45 AM. The run over had been fairly smooth with one pit-stop on the way to fix the toilets, their holding tank, and the associated plumbing and through-hulls.

About half of our divers made the first dive, which was to 85 feet or so on the reef itself, which has a goodly amount of purple coral. Surrounding depths went to over 100 feet. Visibility was in the 40 foot region with temperature around 54-55 degrees F . . . a touch cool!! Lobster and abalone were in the area, but only onsies and twosies, and mostly undersize. We moved a few hundred yards south and east to another reef known as "the reef just south and east of Purple Coral Reef" -- right!! Again, water was potentially to 100 feet in depth, but the reef was mostly at 60 feet. Not as pretty as the first dive; yield was also minimal. The kelp was fairly thick in the immediate area. We made another short move further south to a reef structure similar to the second dive, but with significantly less kelp. Water depth was in the 60 foot range. Depth and time were now becoming significant to all except those divers with relatively liberal computers or who had not made all three dives. One bug was snagged on this dive.

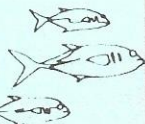
We then moved to the reef structure just south of Arch Point. Depth was in the 45 to 55 feet region. Pretty dive in kelp with 30-40 foot visibility. Ken S and Kathleen B spied a large outboard which appeared to be "workable." They ran a line to the surface in hopes of salvage activities -- unfortunately, the line was not easily visible and we "lost contact." Our final move to the FIFTH dive spot was along the south side out to the southwest tip of the island. Water depth was in the 40-50 foot range, with a fairly strong current -- our first of the day -- towards the south, which resulted in one diver coming up way, way behind the boat. Watch the current, guys!!

The weather forecast for the day was ugly, with the storm front anticipated for late morning. We really lucked out; the storm came through some 12 hours late and was preceded by bright, warm, sunny skies, giving us a perfect run back to San Pedro.

Everyone enjoyed the diving and the day. The food was great -- the steaks seem to get better each trip! We made one award to Pete K for being the only diver on board to make all five dives, albeit with a somewhat "broken" right hand -- it looked ugly -- and also snagging one of the few lobsters on board. His "Hero Prize" was for a \$25 club certificate. We nearly had a shoe-in for the unawarded booby prize, as John M, who was divemaster for the first dive, was sleepy and a little late at the gate and almost, almost, ALMOST fell overboard!!?

### VERY IMPORTANT NOTICE FOR FISHING LICENSE HOLDERS

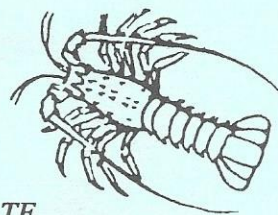
Effective 15 February 1991, you are required to have the Proposition 132 \$3 sticker on your game license. There was, however, a 30 day grace period, as stickers have not been readily available, which means if you don't have a sticker by about 15 March 1991, you will be treated as if you do not possess a license at all.



### CLUB CERTIFICATE UPDATE

If you are the proud possessor of a club certificate (boat dive award, prize, dive-master certificate, etc.), you can now use the certificate for yourself or another club member.

Certificates **MUST** be presented to the Treasurer in order to redeem the amount -- no certificate, no redemption. Also, you may only redeem one certificate per dive.



### REMINDER . . . REMINDER . . . REMINDER !

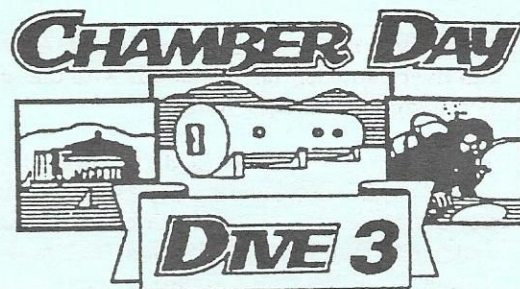
We have noticed on recent boat dives that some of our members do not have all of their gear marked. We strongly recommend that you take time and go through and mark each item of your gear with your name, initials, family crest, "whatever," so as to avoid problems with lost, misplaced or accidentally confused gear. Also, if you lost something on one of our boats during the past year, call Kathi or Allen at (213) 370-1657 -- we may have it!



Support the Catalina  
Hyperbaric Chamber and  
have fun doing it!

Join the Southern California  
diving community for  
Chamber Day Dive 3!

On May 15th a fleet of dive boats will head for  
Catalina for a day of great diving and a tour of the  
Catalina Hyperbaric Chamber. All proceeds will  
go to supporting the Catalina Hyperbaric Chamber  
so that it will be there when divers need it.



May 15, 1991

FOR MORE INFORMATION CALL  
370-1657

The Sea Divers are planning to support Chamber Day Dive 3. We are sponsoring a minimum of ten spots -- and hoping for "half-a-boat" at fourteen spots -- on the "Wild Wave." Cost is \$59 per participant and as stated above, all proceeds go towards the Catalina Hyperbaric Chamber.

The trip will feature a tour of the chamber, rescue demonstrations by the Coast Guard, Bay Watch and L.A. County Sheriffs, as well as prizes donated by civil-minded manufacturers. Following the shore portion of the trip, we will dive the northwest front side of Catalina. Call Allen (Parker) at 370-1657 to reserve your spot on this extremely worthwhile event.

**THE CHAMBER NEEDS OUR SUPPORT -- COME ON OUT! More details later.**

#### 25th ANNIVERSARY CELEBRATION

The Executive Committee is considering one of the following events to celebrate our 25th anniversary (1965-1990):

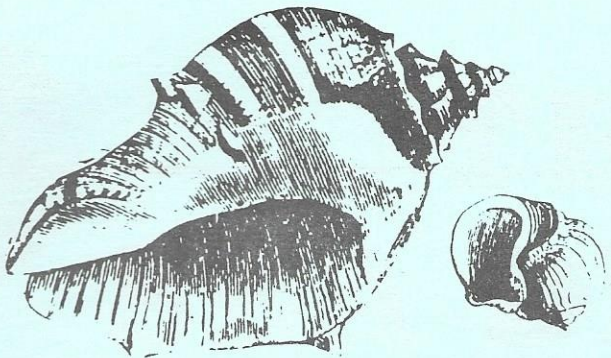
- House party - cocktails, hors d'oeuvres, etc.
- Harbor Cruise - dinner, etc.
- Semi-Formal Dinner

We would like feedback from members of the club, either by phone, at one of our dives, or at the General Meeting, in order that we can plan the event of preference.

Please give us your comments!!



...PROBABLY FROM THE SAME PEOPLE  
WHO SOLD GUNS TO THE INDIANS..."



## 1991 BOAT DIVE SCHEDULE

Olympic LORAN  
281911  
409917-8

91-4	SAT	13 APR	"OLYMPIC" WRECK/CATALINA	CHARISMA	22ND STREET
91-5	FRI/SAT	10/11 MAY	SAN MIGUEL/SANTA ROSA/ SANTA CRUZ	PEACE	VENTURA
91-6	SAT	8 JUN	NINE FATHOM REEF/SAN CLEMENTE	ENCORE	22ND STREET
91-7	FRI/SAT	26/27 JUL	BEGG ROCK/SAN NICOLAS/ SANTA BARBARA	CHARISMA	22ND STREET
91-8	SAT	3 AUG	WILSON ROCK/LITTLE WILSON	WILD WAVE	VENTURA
91-9	FRI/SAT	13/14 SEP	SAN MIGUEL	PEACE	VENTURA
91-10	FRI	4 OCT	SAN NICOLAS	WILD WAVE	22ND STREET
91-11	FRI/SAT	1/2 NOV	CORTEZ BANKS	WILD WAVE	22ND STREET
91-12	SAT	30 NOV	SANTA BARBARA	WILD WAVE	22ND STREET
91-13	FRI/SAT	13/14 DEC	SANTA ROSA/SANTA CRUZ/ANACAPA	PEACE	VENTURA

### *Wild Wave/Charisma/Encore - 22nd Street Landing*

South on Harbor freeway, left on Gaffey, left on 22nd Street, down the hill and park in designated areas.

### *Peace - Ventura Marina*

North on Ventura freeway to Victoria Ave. in Ventura. Turn left onto Victoria and continue to Olivas Park Drive. Turn right and continue all the way down toward the beach and across Harbor Drive; go to the left on to Spinnaker Drive. Look for Milano's Italian Restaurant and turn right into the parking area. If you get to the end of Spinnaker, turn around and take the second left. Park adjacent to the berth (Slip #20) to unload, then park overnight in the last row adjacent to Spinnaker Drive.

## DIVE BOAT POLICY

A club member may, but is not required to, have a boat deposit on file with the club. A club member may make a reservation on an upcoming dive as follows:

- Unconfirmed reservations may be made for any boat dive at any time. To confirm a reservation, payment in full must be received.
- For single day dives, divers holding an unconfirmed reservation will be called 3 weeks prior to the dive and advised that payment in full is required no later than 15 days prior to the dive to be confirmed. Dive boat deposits will be considered as payment in full.
- For two day dives, divers holding unconfirmed reservations will be called 5 weeks prior to the dive and advised that payment in full is required no later than 30 days prior to the dive to be confirmed. Dive boat deposits may be used as part of the payment in full.
- If payment in full is not received by the deadline, the diver may be replaced by a wait listed diver who has paid in full.

Any reservation may be cancelled two weeks prior to a dive with a full refund. Cancellations will not be accepted within two weeks prior to the dive unless a diver holding a reservation can sell or transfer their reservation to another qualified diver. The dive reservationist will assist in this process, but is not responsible for providing paying alternates. When confirmation is received by the dive boat reservationist that a cancelling diver is being replaced by another qualified diver, the replacement diver is then fully responsible for the cost of the dive.

If a diver has a deposit on file with the club and uses that deposit to secure a reservation on a boat dive, he may not use that deposit to secure additional dives until he has paid the club for the first dive. Two years after a diver has ceased to be a member of the club, his unclaimed dive boat deposit will be forfeited to the club. Only Sea Diver club members and members of other selected clubs may make boat dive reservations prior to one month before a scheduled boat dive. Partial refunds from boats which do not make the advertised dive location will be passed on to members who request them within two weeks of the dive.

## BOAT DIVE RESERVATION FORM

DIVE DATE: \_\_\_\_\_ DESTINATION: \_\_\_\_\_

NAME OF DIVER(S): \_\_\_\_\_

PHONE (DAY) [ ] \_\_\_\_\_ (EVE) [ ] \_\_\_\_\_ COST OF DIVE \$ \_\_\_\_\_

MEMBER [ ] YES [ ] NO DATE OF LAST DIVE \* \_\_\_\_\_

Please make checks payable to THE SEA DIVERS and mail to:

THE SEA DIVERS  
P.O. Box 2415  
Redondo Beach, CA 90278  
(213) 371-9985

\* Please include date of last dive for each diver.

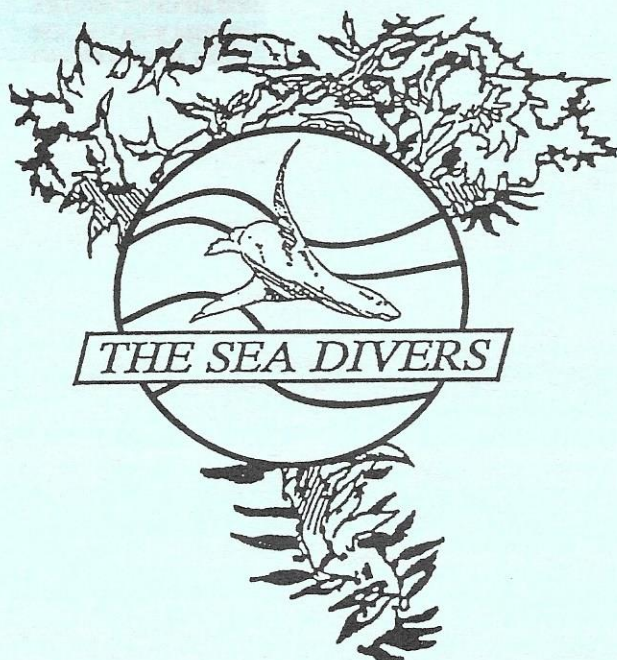
# THE SEA DIVERS

P.O. BOX 2415

REDONDO BEACH, CA 90278

FIRST CLASS MAIL

ADDRESS CORRECTION REQUESTED



KATHI McNALLY  
20405 ANZA AVE., #50  
TORRANCE, CA 90503

## APRIL 1991

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

April 2  
April 11

April 13

General Meeting - 7 PM - Ken & Dicie Sizemore's  
Executive Meeting - 7 PM - Barbara and  
David Serena's  
Boat Dive, "Olympic" Wreck/Catalina

## MAY 1991

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

May 5  
May 7  
May 10-11

May 15

Beach Dive/Bouillabaisse/Potluck - Veteran's Park  
General Meeting - 7 PM (to be announced)  
Boat Dive, San Miguel/Santa Rosa/Santa Cruz  
Executive Meeting on board "Peace"  
Chamber Day Dive 3

## JUNE 1991

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

June 4  
June 8  
June 13  
June 21-23

General Meeting - 7 PM (to be announced)  
Boat Dive, Nine Fathom Reef/San Clemente  
Executive Meeting - 7 PM (to be announced)  
SCUBA '91 - Queen Mary