



SEA DIVERS

DECEMBER/JANUARY

DECEMBER 1989						
SUN	MON	TUE	WED	THR	FRI	SAT
					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						

DECEMBER 2
DECEMBER 5
DECEMBER 14
DECEMBER 30

DECEMBER 1989
 ★★★ BOAT DIVE, SAN CLEMENTE
 ★★★★★ GENERAL MEETING PANCHE & WONGS 7 PM
 ★★★★★ EXECUTIVE MEETING BAXTER'S 7 PM
 ★★★★★ XMAS/NEW YEARS/OFFICER INSTALLATION PARTY

JANUARY 2
JANUARY 11
JANUARY 13

JANUARY 1990
 ★★★ GENERAL MEETING PANCHE & WONGS 7 PM
 ★★★★★ EXECUTIVE MEETING BAXTER'S 7 PM
 ★★★★★ BOAT DIVE, SANTA BARBARA

FEBRUARY 3
FEBRUARY 6
FEBRUARY 15
FEBRUARY 23-26

FEBRUARY 1990
 ★★★★★ BOAT DIVE, CORTEZ BANKS
 ★★★★★ GENERAL MEETING PANCHE & WONGS 7 PM
 ★★★★★ EXECUTIVE MEETING BAXTER'S 7 PM
 ★★★★★ AVALON HARBOR CLEANUP

JANUARY 1990						
SUN	MON	TUE	WED	THR	FRI	SAT
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28	29	30	31			

General Meetings are held the first Tuesday of every month. A no host social happy hour precedes the meeting from 6 PM to 7 PM and a feature presentation follows the business meeting. The meeting is held at Pancho & Wong's at King Harbor. Executive Meetings are held the Thursday the week following the General Meeting, at Baxter's in the Manhattan Beach Mall.

FEBRUARY 1990						
SUN	MON	TUE	WED	THR	FRI	SAT
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18	19	20	21	22	23	24
25	26	27	28			



DECEMBER PROGRAM: DON MUELLER'S CATALINA CLEAN-UP VIDEO

It's time to start thinking about attending the 1990 Catalina Clean-Up. And to get you interested (in case you've never attended one before), Don Mueller will be presenting his video epic of the 1988 adventure. That was the year that we all got stranded there for two extra days — due to winter storms and rough seas. Don's video is a real classic and it stars many of your favorite fellow divers. You won't want to miss this one! Mark December 5th on your calendar now, and meet us at Pancho and Wong's.

JANUARY PROGRAM: CAYMAN ISLANDS!!!!

Ruth McOettigan of the Cayman Islands Department of Tourism in Los Angeles will be with us in January to tell all about the great diving opportunities in these beautiful islands. The Cayman Islands lie in clear tropical waters about 500 miles south of Miami Florida. It is a group of Three Islands, Grand Cayman (the largest which is only 16 square miles), Cayman Brac, and Little Cayman. It is truly a divers paradise catering to this salty bunch like few other places in the world.

The January 2nd meeting date comes fast after the holidays so be sure to keep the evening reserved for a "trip" to the Caymans. Happy holidays to you all.

Dicie Sizemore
Program Chairman

TRW SEA DIVERS EAT-IN

- CHRISTMAS PARTY
- PRE-NEW YEARS PARTY
- ANNUAL OFFICERS INSTALLATION PARTY

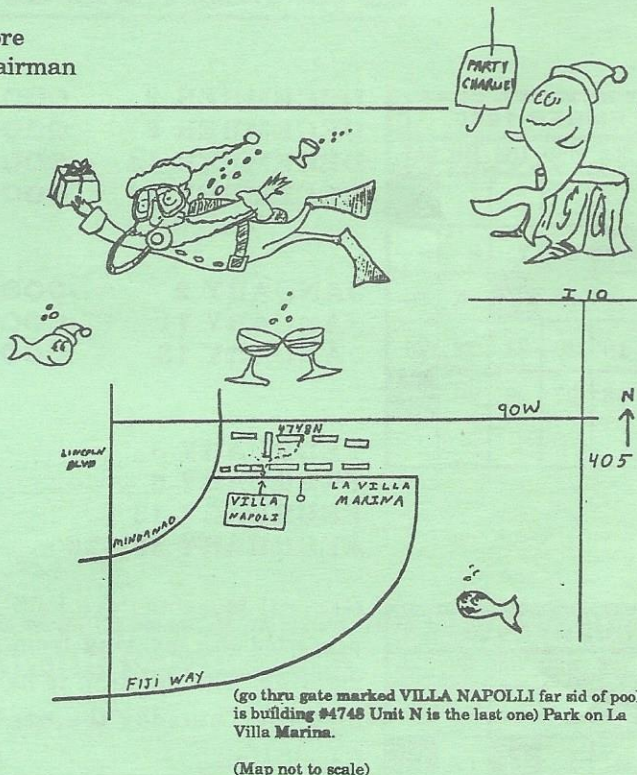
For a riotous, rollicking evening of great fun, great food (your own) and great friends, be sure to be there or be square!!

WHEN: SATURDAY DECEMBER 30 7:30PM

WHERE: Robin Grant's and Cathy Gale's Home
4748-N La Villa Marina
Marina Del Rey, CA. 90292
(213) 823-2552 or 305-8625

BRING: Your favorite food!

The club will provide some liquid refreshments (left over from the Halloween Party but if you desire something special, you might want to bring it yourself).



NEW TIMERS AND OLD TIMERS WELCOME!!

DIVERS DIRECTORY

<u>POSITION</u>	<u>NAME</u>	<u>DAY PHONE</u>	<u>EVE PHONE</u>
PRESIDENT/BOAT DIVE CHRMN.	Allen Parker	813-5383	370-1657
TREAS./MEMBERSHIP CHRMN.	Kathi McNally	812-1144	370-1657
SEA REPRESENTATIVE	Frank Hamell	813-3516	(714) 886-4076
SECRETARY	Cathy Gale	(818)368-1165	305-8625
DIVING OFFICER	Ken Sizemore	410-3932	371-2636
BOAT DIVE RESERVATIONIST	Michael Borden	813-4967	372-7764
BEACH DIVE CHAIRMAN	Billy Garrett	813-0189	324-8424
PROGRAM CHAIRMAN	Dicie Sizemore	932-2473	371-2636
NEWSLETTER EDITOR	Patrick Minor	813-4468	376-8540
HOSPITALITY CHAIRMAN	Robin Grant	823-2552	823-2552
LONG RANGE PLANNING	Lani Garrett	813-5541	324-8424
GLACD REPERSENATIVE	Tim Waag	813-2147	643-5344

WRITING FOR THE TRW 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 Pat Minor, One Space Park R12/ 1615, 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). I will also gratefully accept computer files that are in a Macintosh standard format.

REPRODUCTION

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QUOTES OF THE MONTH

"I BUDDY DIVE — SAME OCEAN,
SAME DAY!"

“FIRST TIME I EVER SCREWED-UP”

"I HOPE YOU FEEL BETTER THAN YOU LOOK"

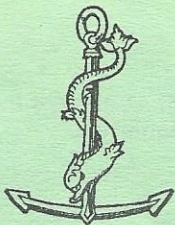
“I’M REAL PROUD OF YOU, YOU ACTUALLY CAME BACK TO THE BOAT WITH YOUR BUDDY”

"TWO BUGS — YOU GUYS ARE MAKING ME LOOK BAD"

“WE HAD SEVEN LIGHTS BETWEEN US, EVEN THE SEA LIONS STAYED CLOSE”

“HOW SHORT WAS IT?”

“JUST LEAVE HIM ALONE — LET HIM THROW UP, THEN HE’LL BE JUST FINE”



FROM THE EXECUTIVE OFFICE.....

Well the year is over, and in retrospect it was a pretty good year for the club. Support for our activities was good to excellent with perhaps the weak link being our beach dive program - especially the single day affairs. Club membership slowly grew to almost 170 members and our treasury maintained pretty well, although we did take a slight beating on the Halloween Bash! As of writing we still have a few events left in 1989 and I hope to see most of you at at least one of those activities.

I want to thank the members of the Executive Committee for their excellent support through 1989 (and before) and thank those members who pitched in or just supported our program.

1989 is behind, 1990 is ahead, and we believe that it will be on even better year. We have upgraded our boat dive program; regrouped on our beach dive activities; are driving for new members from within TRW; planning additional social events eat-ins etc. and attempting to get more of our members active.

Balloting for our voted officers for 1990 will be mailed separately, but just a reminder - President, Treasurer and SEA Representative must be TRW employees by SEA rules. Other positions are voluntary and may be held by non-TRW employees. HELLO OUT THERE ... VOLUNTEERS ...!

One final note winter diving looks very promising as the water temperature is higher than last year - let's hope it holds so some of you colder fainter hearts will keep on trucking through the next few months!

MERRY XMAS AND A REAL HAPPY NEW YEAR

BUG TRIP #1.....THREE MILES OFF BY 11

Our first lobster hunting charter turned out to be full of interesting little twists and turns, beginning with the bunk ghosts — one of which had a sleeping bag. With 27 people (one no-show) on board we were short two bunks, but 28-27 says we should have one spare!!! We finally threw out the ghost with the brown sleeping bag, but never did figure the other one out. Mickey (owner/skipper) of the "Wild Wave" overslept — first time he ever screwed-up - and as a result we departed about 25 minutes late. No problem, ocean is flat, boat runs real fast, and Mickey made up the time, arriving at San Nicolas West End almost an hour before dawn, and well before the other boats. Some of us hardy folks made a night dive, but so much for the lobster nocturnal theory - they were nowhere to be seen! Breakfast to order, a small move towards the point and in for the second dive. Again none to be seen by most of us, but a couple of lobster are found and captured by John D. and Billy G. Rumor control has it that around the West End the swells are up to eight feet and the "Westerly" is beating a retreat to our neck of the ocean. Suddenly we are four — "Wild Wave", "Cee Ray", "Spectre" and "Westerly" — all trying to find the hot spots. Mickey is really concerned, as we only have two bugs and as a result we are making him look bad in front of his boat friends.

We made another small move with some success — more lobster, but no real biggies. Now the Navy steps in — we have to be three miles off the island by 11:00 am — maybe make another dive at the same spot. But no!... John D. dons another tank and makes ready to hit the water ... wrong, but at least he's ready for the next dive-for the anchor! His departure from the boat was spectacular if not ugly. While I'm tanking up as buddy/back-up, J.D. decided to leave, first without his weight belt, then in attempting a fully suited double-gainer over the port side bow, produced an awful belly flop onto the deck — skid marks mark the spot. Figuring out what went wrong he finally "bombed" into the water, as I hove into sight from the still pristine starboard side. Anchor free, we peeled-out in the direction of Santa Barbara island for our fourth dive. A couple of miles out we performed several huge S-curves — is the Navy attacking or what! Joe I. went forward to check on Mickey — no

further problem, now he's awake! The race between the "Cee Ray" and the "Wild Wave" is no contest - we blew the gates right off the "Ray". We anchored over the Near Spot off Webster Point at Santa Barbara — lots and lots of lobster but they are either just legal or just not legal, requiring great care so as not to fall afoul of Fish and Game! Total legal catch was probably twenty to twenty five — nice spot, and we are taking the "Wild Wave" to Santa Barbara on 11 November,.....so.....

Diving over, we headed back to 22nd Street. Late lunch was a full steak affair with all the trimmings. Most then slept, including the ghosts, but a few of us sat around the Barbie campfire style — and just enjoyed the open air and the good company. After the unloading ceremony we checked all the bunks and the ghost with the sleeping bag was at it again! By the way there were no prizes on this trip but we really should have had a booby prize Primary contestants were John D. for his memorable departure to free the anchor; Paul K. for trying to dive without a weight belt; Billy G. for not planning his Friday evening party properly (you had to be there); Mickey P. for the late departure and giant S-turns; Art H. for trying to make a run to the bow fully clothed, returning fully soaked, Art, Art...Art, Art, Art, and Gary H. for no showing for his free dive.



HALLOWEEN WRAPUP:

It appears that everyone had a good time dancing up a storm to the dance music provided by Pete Richardson Entertainment Inc. We really want to thank all the people who helped make this year's party a blast. Thanks to the decorating committee:

Robin Grant
Ken & Dicie Sizemore
Patrick Minor
Lynne Robinson

Terri & Kevin Liu
Allen Parker
Wil & Linda Lenley
Cathy Gale

Kathi McNally
Kathleen Bennet
Lois Musser
Joe & Kathy Kalohi

Thanks to the 50 or so party goers who brought life to Rebekah Hall, and to Kathy & Joe Kalohi, Debra Camilli and Leilani for collecting tickets and money at the door.

An extra thanks to those who helped clean up immediately after the party and those who returned the next day to complete the cleanup.

We especially want to extend our deepest appreciation to our many sponsors in the community:

SPONSERS

Comedy and Magic Club
Hermosa Beach

Stans Liquor
Manhattan Beach

Gino's Pastry Shop
Redondo Beach

Tanks D'Art

Dale Sheckler
California Diving News

Guiliano's Deli
Torrance

Red Onion
Manhattan Beach

Pancho's
Manhattan Beach

Marie Callender's
South Bay

M & B Custom Wetsuit
Long Beach

DONATIONS

A pair of complimentary tickets

A case of wine coolers

A decorated cake

A tank refurbishment and custom paint

Two books on marine life, by Dale Sheckler

A platter of ready made sandwiches

A gift certificate

A gift certificate

Two certificates for pie

A certificate for a custom fit hooded vest

Dive N'Surf
Redondo Beach

Marina Dive & Sport
San Pedro

American Diving
Lomita

Jeanette's Classic American Cuisine
Hermosa Beach

Pacific Wilderness
San Pedro

Eva Marie Dry Grocer

Daniel Bitton

TRW Sea Divers
Redondo Beach

Two certificates for one day boat dives
aboard the "Westerly"

A woman's xs full wetsuit

A Pro Sub regulator
An Oceanic mesh gear bag
A Tekna Dive Lantern
A Krypton bottom light
6 Super QXL2 lights

A gift certificate for brunch for two

2 Krypton bottom lights

A collection of coffee mugs, collector plates,
candles and table decorations

A sterling silver tie bar with a diver design

A two day boat dive a refurbished tank
and regulator

Lessons Learned by Tim Waag

My first night dive (for bugs) with an experienced bug diver. I borrowed dive equipment and didn't know exactly how it operated (back mount BC with inflator hose floating over my head). Set up our gear in the dark on the way out of the harbor headed for the King Harbor breakwater. Got a late start due to a wetsuit zipper problem that had to be repaired, so it was already after 9pm. Put on my gear and slipped over the side ... this was to be about my 10th dive since certification. My reg free-flowed on the surface and my waist buckle came undone in the black night water. My buddy stopped the free-flow and re-buckled my waist strap. I was nervous and anxious, especially after having equipment problems on the surface.

We made a fast descent to 60 feet in mild surge and I felt even more nervous. On the bottom, my buddy moved out quickly and I awkwardly followed alongside. Since it was difficult to find my inflator hose, I swam with it secured in my left hand and bug light in my right. We grabbed a few bugs, and I finally started to calm down as we scanned the sand below the breakwater rocks for bugs. Just as I finally calmed down, I found myself sucking hard on the reg ... you guessed it: out of air! I found myself out of air with my buddy a few feet away, and believe it or not, I was too embarrassed to tell him! Instead, I motioned that I was going up and started to kick to the surface from 50 feet. Fortunately, I made it okay and my buddy surfaced with 1500 psi of air a few minutes later. After he surfaced, I still didn't tell him I had run out of air.

Mistakes? Many, of course!

- 1) Diving with unfamiliar equipment (If you have to borrow or rent equipment, try it on and use it in a pool or calm ocean water before taking it down).
- 2) Not relating my inexperience or nervousness to my experienced buddy (part of the dive plan).
- 3) Forgetting that a free-flowing regulator and anxiety/nervousness reduces cylinder air supply (If you find yourself overly nervous or anxious during a dive, perhaps it is better to terminate the dive or modify the dive plan).
- 4) Forgetting to monitor cylinder pressure at depth due to anxiety, preoccupation with depth, and my buoyancy.
- 5) Not diving with a safe second stage/octopus, which would have allowed for easily sharing air with my buddy.
- 6) Failure to execute proper out of air emergency procedures by not sharing air or dropping weight belt. I didn't do this because I was too embarrassed, which to this day I find hard to believe. (Don't be embarrassed about safety when your life is on the line).

SINGLE DAY IN FULL COMFORT

13 JANUARY 1990

SANTA BARBARA ISLAND

CHARISMA

MEMBERS \$64

(INCLUDES FOOD AND AIR)

NON-MEMBERS \$71

Our first charter of 1990 is also a first with the CHARISMA since April 1983! The last time was to SANTA BARBARA so maybe it's only fitting we go to SANTA BARBARA again.

Besides reacquainting ourselves with the CHARISMA, owner/skipper Roger Hess and his crew, we will be heading into LOBSTER land once more. ABALONE will still be in season with reds, greens, pinks and even a few whites available. SANTA BARBARA, as always, should provide superb opportunities for VIDEO and PHOTO-philos on the reefs, arches, walls and canyons, which have an abundance of sea life including many species of FISH, sea lions and elephant seals. A black sea bass or two are sometimes in the vicinity.

Diving conditions are usually good to excellent and are typically suitable for all skill levels. Relatively inexperienced divers should pre-check with the TRW divemaster for current conditions, as strong currents are sometimes encountered.

Call Michael (Borden) at (213) 372-7764 for additional information. Boarding will begin at 9:00 PM on the 12th for an early AM departure on the 13th. Come on out and enjoy our "new" boat LOBSTER too!

TABLES OR COMPUTERS — HOW BEST TO CONTROL DECOMPRESSION

by Glen H. Engstrom, Ph. D.

Dorland's medical dictionary defines decompression as the removal of pressure, particularly the slow lessening of pressure on deep sea divers and caisson workers to prevent the onset of bends, and the reduction of pressure on persons as they ascend to great heights.

The current emphasis on safe decompression procedures has led to considerable confusion. Much of the confusion appears to be related to a fundamental misunderstanding on the part of individuals who purchase tables and/or dive computers with the notion that using a particular table or dive computer will protect them from the bends. Allegations that a particular table or dive computer "bent" someone should be viewed with extreme caution since tables as well as dive computers are simply tools used to reduce the risks associated with decompression in diving. There is not and never has been a set of tables or a dive computer that can eliminate 100% of the risk of a decompression accident 100% of the time. The purpose of table and dive computer technology is to provide criteria and monitoring capability that will enable a diver to plan and execute a reasonably safe dive profile, i.e. a profile that has a low probability of resulting in a decompression accident. The diver must develop the understanding and skill to be able to use these tools effectively.

All tables and dive computers are based upon design criteria and assumptions of fact. The assumptions may reflect interpretations of research findings, attitudes of the designer, consistencies of human behavior, environmental constants, consistent rates of change in pressure, and other factors which are either not readily quantifiable or not deemed critical enough to be included in the basic conceptual framework of the table or dive computer under consideration. It should be clearly understood that the assumptions are largely unavoidable since state of the art is still under development. The message is that we must use the tools for what they can do to help us minimize the risks and we must accept their limitations when we plan and execute our dives. There is an old saying that only a poor carpenter blames his tools, which has application for divers.

The control of decompression in sport diving is based upon the individual's execution of the dive plan. The tables and dive computers provide information which should aid in the development of an adequate dive plan but these tools have no mechanism by which they can implement the dive plan. The diver who uses these tools accepts the assumptions and limita-

tions of the tool and should use conservative interpretations of the information when planning the dive. Existing conditions within the diver or the environment which could affect the dive plan should not be ignored.

The following observation come from a variety of sources and are presented here as "food for thought."

1) The individual must know and appreciate their own limitations in relation to each dive. This includes, but is not limited to, considerations of present fitness and comfort levels relating to the dive. Neither the table nor the dive computer has a clue regarding your physiological and mental state. Dehydration, cold, intense exercise, cardiovascular fitness, and age are only a few of the many variables which can effect your ability to decompress adequately. It is also important to recognize that individual status in this regard can change during the dive and between dives as well as between days.

2) There is a wide inter and intra individual variability in the response to a given diving profile. At best, we take a calculated risk each and every time we dive. We also have available to us a wide range of tables and dive computers which give different responses to a given dive profile. At best, we assume that the table or dive computer we are using on a given dive profile will be compatible with our individual response and result in a problem free ascent.

3) Every dive is a decompression dive involving "on gassing and off gassing" from the blood and tissues. The rate at which we on and off gas the tissues becomes a function of the pressure gradient, solubility, blood flow and diffusion characteristics of the various tissues. Multi-day multi-level diving may result in residual nitrogen levels that accumulate over a period of days which may not be reflected in the tables or in diving computers which are not kept operational for the duration of multi day diving excursions.

4) Ascent rate equals the rate of change of the pressure gradient for decompression purposes. Rapid gradient changes have been identified as a potential trouble maker in the case of decompression problems. At this time there is confusion regarding the "safe" rate of ascent. Some tables and some dive computers are based upon different rates of ascent ranging from 30-60 FPM. Slower ascent rates are probably less likely to produce problems for divers.

SINGLE DAY LOBSTER DIVE III

02 DECEMBER 1989

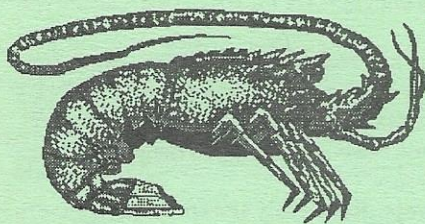
SAN CLEMENTE

BOLD CONTENDER

MEMBERS \$64

(INCLUDES FOOD AND AIR)

NON-MEMBERS \$71



Panulirus inflatus (Bouvier)
"Spiny Lobster"

Our third in a series of dives aimed primarily at LOBSTER will take us to also our third different island, SAN CLEMENTE. The BOLD CONTENDER will take us from 22nd Street the 43 miles or so to the North West tip of SAN CLEMENTE where we will begin our diving for the day.

There are excellent LOBSTER areas around the island particularly on the backside. ABALONE are also in season and can still be found in fair numbers, even on the frontside. The healthy kelp beds also provide a home to good size FISH and the reefs on the North-Western end of the island also provide great opportunities for PHOTO and VIDEO activities.

This is our last dive of 1989 and as of writing was filling quickly Call Michael

(Borden) at (213) 372-7764 or Allen (Parker) at (213) 813-5383 for information. This trip should be suitable for all skill levels. Boarding begins at 9:00 PM on the first for an early AM departure on the second.

JUST SEVEN YEARS AGO.....

Bonnie Chettle was our president; Bob Revius was vice-president; Cathy Mueller was the treasurer and one Dave Serena was secretary ... mmm! Our January 1983 beach dive was to Scotsmans Cove, our December 1982 boat dive to Talcott Shoals at \$41 on the Truth and our January 1983 boat dive to San Nicolas at \$44 on the Wild Wave. The January 1983 meeting was to discuss the Sea Otter issue ah well! The December 1982 General Meeting was full of the season's festivities including a kissing booth, a feeling booth and quote "...if one thing leads to another a screwing booth" - NO KIDDING!!!!

Decompression

5) The utilization of "safety stops" as a routine ascent procedure, particularly on dives over 50 or 60 feet, is mandated in many programs. There appear to be significant advantages to taking these safety stops at depths of 15-20 feet rather than 10 feet. The advantages include better control of depth and position and possibly more stable off gassing.

6) There appears to be an adaptation since the result of regular exposure to increased ambient pressure reduces the individual susceptibility to decompression sickness. This would lead to the conclusion that a progressive increase in exposure to greater depths is a good idea and that deep dives following long periods of inactivity are a bad idea.

7) Decompression is more efficient in warm divers than in cold divers. There may be advantages to light exercise during decompression since metabolic heat is produced and blood flow is increased; however, exercise following decompression has been associated with harmful effects and should be avoided.

8) There is good reason to believe that maintaining a high state of hydration is important to the reduction of risk due to decompression. A diver should enter the dive well hydrated and should ingest fluids (other than diuretics such as alcohol, coffee, and other caffeine sources) whenever possible between dives.

9) Repetitive dives should be executed so that each individual dive is shallower than the last. The concept of doing the deep dive first in the series has been a required practice in many programs for many years and appears to be good advice.

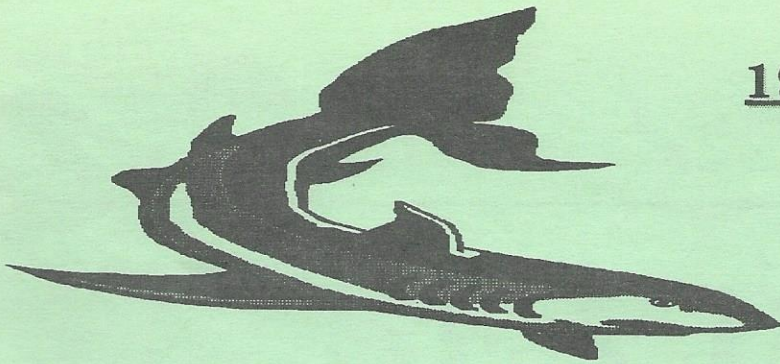
10) The limits of the tables and the dive computers are arbitrary as are the designations of tissue half times and other concepts used on modeling the decompression schedules. These devices provide guidelines. Those divers who press the devices to their limits are working in the vicinity of the cutting edge and should not be surprised if they are injured.

Reprinted from Proceedings, A Symposium on Diving Medicine, International Society of Aquatic Medicine, in Nassau, Bahamas.

Reprinted from DAN Newsletter Vol 5, No. 3

DIVE BOAT POLICY

- 1) A club member may, but is not required to, have a boat deposit on file with the club.
- 2) A club member will have a confirmed reservation on an upcoming dive only if:
 - a) A check in the full amount for the dive has been received by the dive boat reservationist, or
 - b) The club member has a deposit on file with the club and makes a telephone request for a reservation with the dive boat reservationist.
 - c) For TWO DAY DIVES, a minimum of one half of the price of the dive must be received by the dive boat reservationist. Dive Boat deposits may be used as a part of the one half requirement.
- 3) Any reservation may be cancelled by the member at any time prior to the dive without a deposit. Holding a reservation can result in a reservation being cancelled by the member at any time prior to the dive without a deposit. The dive reservationist will assist in this process, but is not responsible for providing a replacement diver. If a reservation is cancelled by the member at any time prior to the dive without a deposit, the member is then fully responsible for the cost of the dive.



1989/1990 BOAT DIVES

89-11	SAT	02 DEC	SAN CLEMENTE	<i>BOLD CONTENDER</i>	22ND STREET
90-1	SAT	13 JAN	SANTA BARBARA	<i>CHARISMA</i>	22ND STREET
90-2	SAT	03 FEB	CORTEZ BANKS	<i>WILD WAVE</i>	22ND STREET
90-3	SUN	11 MAR	SAN NICOLAS	<i>WILD WAVE</i>	22ND STREET
90-4	SAT	14 APR	"OLYMPIC" & AVALON" WRECKS/ PALOS VERDES	<i>CHARISMA</i>	22ND STREET
90-5	FRI/SAT	18/19 MAY	SAN MIGUEL/ SANTA ROSA	<i>PEACE</i>	VENTURA
90-6	SAT	02 JUN	FARNSWORTH BANKS/CATALINA	<i>ENCORE</i>	22ND STREET
90-7	FRI/SAT	27/28 JUL	BEGG ROCK/SAN NICOLAS SANTA BARBARA	<i>CHARISMA</i>	22ND STREET
90-8	SAT	04 AUG	WILSON ROCK/TALCOTT SHOALS	<i>WILD WAVE</i>	VENTURA
90-9	FRI/SAT	14/15 SEP	SAN MIGUEL PASSAGE	<i>PEACE</i>	VENTURA
90-10	FRI	05 OCT	SAN NICOLAS	<i>WILD WAVE</i>	22ND STREET
90-C*	FRI/SAT	02/03 Nov	CATALINA	<i>WILD WAVE</i>	22ND STREET
90-11	FRI/SAT	23-1/2/24 Nov	SANTA CRUZ CHANNEL ANACAPA	<i>PEACE</i>	VENTURA
90-12	SAT	01 DEC	SANTA BARBARA	<i>WILD WAVE</i>	22ND STREET

*COMBINED BOAT/CATALINA CAMPOUT AT EMERALD COVE.

Wild Wave/Charisma/Encore/Bold Contender - 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 or if you get to the end of Spinnaker turn around and take the second left. Park adjacent to the berth which is by HornBlowers Restaurant at Slip #20

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 **TRW SEA DIVERS** and mail to:

TRW SEA DIVERS
One Space Park S/1161
Redondo Beach, CA. 90278
(213) 372-7764

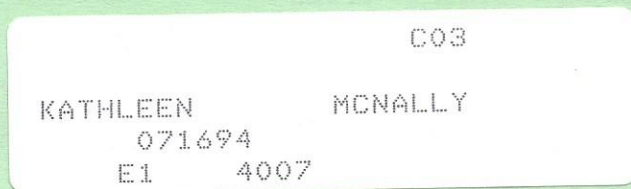
*Please include date of last dive for each diver.

TRW SEA DIVERS
One Space Park S/1161
Redondo Beach, California 90278

FIRST CLASS MAIL

ADDRESS CORRECTION REQUESTED

HAPPY HOLIDAYS



1990 TRW SEA DIVERS MEMBERSHIP FORM

NAME _____ HOME PHONE _____
ADDRESS _____
CITY _____ ZIP CODE _____
WORK PHONE _____ EMERGENCY PHONE _____
EMPLOYER _____
IF TRW EMPLOYEE: M/S _____ BADGE _____ EXT _____
CERTIFICATION DATE/NUMBER _____ TYPE (NAUI, PADI, ETC.) _____
ADP _____ NIGHT DIVER _____ Date of last dive _____
Do You want your name on a dive buddy list? Yes ☐ No ☐
Type of diving preferred: beach/boat/skin _____
Type of diving you are interested in? _____

1990/Dues:

TRW Employee	\$10.00	<input type="checkbox"/>	**TRW Family Membership	\$20.00	<input type="checkbox"/>
Non-TRW Membership	\$20.00	<input type="checkbox"/>	**Non-TRW Family Membership	\$30.00	<input type="checkbox"/>

Please make checks payable to **TRW SEA DIVERS** and mail to : **TRW SEA DIVERS**
One Space Park, S/1161
Redondo Beach, CA. 90278