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President	Mr J. Walden.	
Actg. President:	Mr. J. Carrie, 49 Axford St., Como.	Tel. 60 3141.
Secretary:	Mr. H. G. H. Roberts, 67 Olive St., Subiaco.	" 8 1322.
	(Business)	" 28 1451.
Treasurer	Mike Minchin, 98 Bateman Rd., Mt. Pleasant	" 64 3310
	(Business)	" 21 9161.

VICE PRESIDENT'S REPORT:

A letter from our President last week mentioned the fact that he would like members' re-actions to going in the water after a whale has been harpooned. Apparently the sharks arrive in hundreds and it wouldn't exactly be pleasant diving. He, himself, had to go in the water when the boat he was on, lost a rudder but he took the precaution of having a spotter stand by with a .303 while he fitted the new rudder. He hopes to have slides of the whaling industry to show members when he comes back.

At our last meeting there seemed to be a lot of old and new faces missing and they in turn missed a very enjoyable evening when, after the meeting, Harold Roberts showed slides and gave a talk on the recent North West trip. It is nice to see a good crowd at the general meeting so what about turning up in force at the next one and help in deciding what is best for this, your Club.

After the meeting closes there will be a lecture by Mr. Len McWhinney on diving equipment and diving in general. If you bring your gear along it will be taken apart where possible and the workings explained. Anything you don't understand in any particular phase of diving or diving gear, Len will be there to advise and help you with it. This will be a very valuable opportunity for members to improve their diving knowledge.

U. E. C. LONG WEEK-END HOLIDAY TRIP TO SOUTH WEST:

There are plans being laid for a long week-end down at Hamelin Bay on March 3rd, 4th and 5th. The idea is to hire the tram chalets! at Hamelin Bay and have a week-end of diving, barbecues, lemonade drinking, sun bathing and all the rest that goes with week-ends by the sea. At the last general meeting this was discussed and proved very popular with members present. The big thing is to book accommodation and to know how many will be wanting to go. This will have to be decided pretty smartly so if you are at all interested,

AUGUST, 1961.

turn up at the next meeting and get your name down for the trip. An invitation will be extended to our diving friends down at Albany to join us. Most of you know that these fellows are very keen divers and a great bunch of chaps and their company would assist to make it a first class week-end. Of course, the holiday will not be just one for the male divers, they will be expected to bring their families to join in the fun.

C.U.A. Delegate to the recent Australian gathering of that body was K. McMahon and now that he is back, it is hoped that he will be able to give us a briefing on the outcome of the discussions held. He informs me that he has some interesting data to pass on to us.

ANNUAL U.E.C. DISTANCE SWIM:

This is held every year at the end of the winter when the water is at its coldest and is intended to test each individual's capabilities in these conditions. The swimming is done with flippers, mask and snorkel only. . . . This year it will be held at Naval Base Groyne, starting at 10 A.M. on Sunday, 3rd September. The course will be from the large Groyne to the small Groyne--a distance just over 500 yds. This swim will be run thus . . . Each diver will start at any time around 10 am. swim one lap to an umpire at the small groyne. This umpire will have a tin full of numbered discs and when each swimmer completes a lap, he will be given a disc which he will retain until after the swim.

On completion of one lap, he may carry on and complete as many laps as he can. Each time he completes a lap, he will receive a disc. No competitor will rest at any time, with the exception of the time when he is receiving a disc from the umpire---He will keep swimming!

When all competitors have finished, a lucky number will be announced and whoever has the number on his disc will receive a prize. Another prize will be given to the competitor with the greatest number of points. These points are made up thus :--

10 points for each disc.

100 points if the swimmer has swum the distance bare skin.

50 points if the swimmer has swum the distance in protective clothing.

An entry fee of 5/- will be charged and the proceeds will go to our "Queen of The Sea" nominee.

This swim is open to members of other Clubs who think they can beat the U.E.C. -- A special invitation is extended to them.

AUGUST, 1961.

LEISURE! SEA SAW !

A Manhattan Landlubber, according to the latest cocktail party tale, went skin-diving, outfitted with the newest and best gear Rubber Suit; Depth Gauge; Flippers; Waterproof Watch; Sling Gun; Aqua-Lung; Mask, etc., etc. --- Even a blackboard and special chalk for underwater communication with other skin divers.

After twenty minutes discovering the strange and wonderful underwater world, he looked up and saw approaching him another swimmer clad in nothing but bathing trunks. Puzzled, then infuriated, the diver pulled out his blackboard and wrote :

"WHAT GIVES? SPENT \$450 FOR SPECIAL EQUIPMENT -- YOU HERE WITH NOTHING?"

Whereupon the other man took the chalk and scrawled rapidly .. "STUPID! I'M DROWNING! "

1962 TRAINING BASE.

Training Instructors and

Boat Trips

will be advised later this year.

RIVER DIVE: .. DINKUM DUNKER GEOFF.EVANS.

This dive is designed to give members experience in working at depth with nil visibility. It will be held at Mosman's Bay on 27th August, starting time 9 A.M.

No Lungs will be needed but bring all other gear including suit if possible .. B R R R R R !!!

For further information, check at the General Meeting and include your name on the list of members who are to descend into the Dark and Dirty Depths.

All you have to do is get there at 10 a.m. and start swimming. 8 laps is just over the normal 2 miles our members have done in the past. This does not necessarily say that you have to do this distance. Even if you swim only one lap and get only one disc, you may win a prize. Even if you dont swim, come along and watch.

Spectators are expected to keep the fire going for the swimmers to warm up after the swim. Bring some steak down and have a picnic! Any person who has any spare wood can bring it along.

U.E.C. Divers who finish the 2 mile swim will have passed No.2 test of the 13 involved in our Proficiency Award Tests.

SCUBA SAFETY AND THE DIVERS' FLAG:

At the last general meeting, the question of the useage of the Divers' Flag by all persons participating in Scuba operations, was raised.

It has been noticed in the past that on diving trips, the boat has been carrying the necessary pennant advising all other craft in the area that diving operations are in progress and to give this a wide berth (150 ft. radius is the accepted Australian interpretation of this rule); however, many of our divers, enthralled by the wonders of exploration or just sight-seeing, venture out of the protective circle and are forced to surface many yards away from the safety of this flag and in choppy conditions, are often hard to sight.

It has been suggested at the general meeting that all Scuba and Spearfishing men tow a float complete with Staff and Diving Pennant. After discussion, it was felt that this arrangement, although contributing to the safety of the users, in the case of a Scuba man could become an unnecessary hazard. One would not be always operating in "open water" conditions and it would be extremely easy for a trailing line to foul on reef projections, wrecks, etc., When operating on a normal dive in both ocean and river waters, the general accepted procedure in the U.S.A. is for each individual to carry a personal diver's float/flag. This diver's flag unit is in the form of a telescopic mast, float, 50 ft. line and line holder and is carried in the collapsed position whilst the diver is under water. Before he endeavours to surface, he needs only to extend the mast, play out the line and allow the float and flag to bob to the surface, thus giving ample warning that a diver is likely to be surfacing in the immediate area. Upon reaching the surface

SCUBA SAFETY & THE DIVERS FLAG: Contd.

the line is rewound onto the small spool. The flag and mast are left flying 3 to 4 feet above the surface of the water and the diver swims, to a new position, ashore or to his craft.

The pennant given an elevated position on an extension mast would also allow visual contact to be made even though adverse Sea Surface conditions exist at the particular time.

TRAINING BASE:

For the benefit of those divers who were not at the last general meeting, it has been agreed to put the large receiver down at the training base. It will be transportable and stores in the naval depot yard, using both hookahs to pump it up.

We are purchasing two more new demand valves, giving a total of six mouth pieces this year and with a bundle of air it should help to relieve the situation to some extent, provided we get sufficient instructors to take the learners into the water.

Listed in this circular is a tentative roster of instructors for the commencement of the coming season. If the dates are not suitable, please ring me.

For those who are not listed at present, dont forget there is all next summer to go through and you are more than welcome at the training base at any time.

1961 TRAINING BASE.

SUNDAY.

INSTRUCTORS ON ROSTER.

September 10th)	Miss A. Pallett, Mr. A. Robinson, Mr. W. Bullock, Mr. J. Carrie Mr. H. Roberts Mr. M. Minchin
)	
)	
September 17th.)	

1961 TRAINING BASE, CONTD.

SUNDAY

INSTRUCTORS ON ROSTER.

September 24th)	Miss A. Pallett, Mr. J. Margetts. Mr. G. Brenzi Mr. D. Gilmour
October 1st.)	
October 8th BOAT TRIP : "Dawn L." Tilleys, 8.00 A.M.
October 15th)	Miss E. Airey, Mr. Neil Anderson, Mr. I. Woods, Mr. J. Carrie, Mr. M. Minchin.
October 22nd.)	
October 29th)	Mr. N. Ottey, Mr. A. Ottey, Mr. L. E. Woodward, Mr. D. Parker Miss J. Masters Mr. K. McMahon
November 5th)	
November 12th.)	
November 19th BOAT TRIP "Dauntless" Tilleys, 8.00 A.M.
November 26th)	Mr. R. L. Fuller Mr. F. Garrett Miss R. Locke Mr. H. Roberts Mr. G. Evans.
December 3rd.)	
December 10th)	Mr. M. Shaw Mr. B. Pink, Mr. A. Robinson Mr. J. Carrie, Mr. M. Minchin.
December 17th.)	
December 24th ..	CHRISTMAS: No Training, too Shick.
December 31st.	NEW YEAR " " " "

ANNUAL DISTANCE SWIM: Contd.

Any member who completed 7 laps, has now covered the requisite 2 miles in the Proficiency Award Tests and should note it down on their copies of these Tests. Ask the Secretary for a copy.

We are most grateful to all members of the U.E.C. and other Clubs who came down. Through these people we were able to raise £9.5.0 towards our "Queen of the Sea" nominee.

The Beachmaster publicly admits losing a bottle of wine to John Carrie for doing 4 miles. I shall personally deliver this at an appropriate moment!

EDITOR'S NOTE:

Members would be well advised to keep their copies of the U.E.C. NEWS as these monthly articles by ROLAND eventually will provide a good reference library for FISHES OF W.A.

.....

Price 6/- per annum.

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- Vice President: Mr. J. Carrie, 49 Axford St., Como. Tel. 603141.
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- Treasurer : Mr. M. Minchin, 98 Bateman Rd., " 643310.
Mt. Pleasant (Business) " 219161.
- Committee : Mr. L. Woodward, 17 Normandy St., Inglewood.
Mr. A. Ottey, 22 Arthur Rd., Hamilton Hill.
Mr. M. Shaw, Lot 84 West Coast Hwy., Triggs Island.
- U.C. Training Base: Mr. M. Minchin. As above.
- Editor : Mr. G. Evans, 24 Margaret St., Tel. 33236.
Nth. Cottesloe. (Business) " 234646.

VICE PRESIDENT'S REPORT:

After quite a stay in the North West in the Whaling Industry, we will have our President John Walden, back to chair the next meeting. Although he didn't enjoy being away from his family, he writes and tells me that he has gained a wealth of experience which will serve him well in the future.

On September, the 10th, the Woodman's Point Training Base will commence operations again. This is regarded by most of us as the opening of our Season so it is hoped that there will be a big roll-up on that day to welcome new and intending members. Even if you don't come down to go in the water, it will be well worth your while to be there and admire our magnificent new Receiver--six feet in length, two and a half feet in diameter, four leads for hoses on four wheels, yellow in colour, provision for diving flag and the trimmings of a sputnik. The Receiver will be quite a feature and of course, an asset to the Training Base.

A word to all instructors at the Base this year. There will be a permanent and prominent notice on the jetty forbidding all learner divers to enter the water without a diving instructor. This is one of the most important rules to be carried out and the emphasis cannot be too great: When a newcomer is interested in joining the U.E.C., make him welcome and wherever possible try to give him your individual attention during his training until he is through his tests. Once again it is hoped that the rule carried out in the past by former Presidents and Vice Presidents is continued--This is that all attractive young ladies should be

trained by these two exclusively.

Our first boat trip will be in October, what about a few suggestions for the style of diving you want and places you would like to go. Members have been approached about this before but as yet no one has come forward with suggestions of any type at all. It is better to voice your opinion on this now so that we can get an over-all picture on what is the most popular with members! So what about a bit of thought on this before the next meeting!

The deadline for copy for the 'U.E.C. NEWS' will probably prevent a report on the 2 mile swim. But it is hoped by then that the U.E.C. divers will have proved to other Clubs that they do have swimming ability as well as being able to sit on the Ocean floor sucking air from a steel bottle strapped on his back.

NOTICES OF MOTIONS TO BE BROUGHT BEFORE THE NEXT GENERAL MEETING.

Proposed, Harold Roberts, seconded Geoff. Evans --
That the new Constitution as read at the November 1960 meeting and as discussed by the Committee on 27th September, 1960, be formally adopted and the old Constitution in force be repealed.

Proposed, Harold Roberts, seconded Geoff Evans --
That Mr. W. Blackwood, Solicitor, who originally handled the incorporation of the Club & made a revised and up-to-date Constitution for the Club's betterment which subsequently was of help to us, be made an Honorary Member from the beginning of our financial year.

A copy of the new Constitution is available to Club members on application to the Secretary.

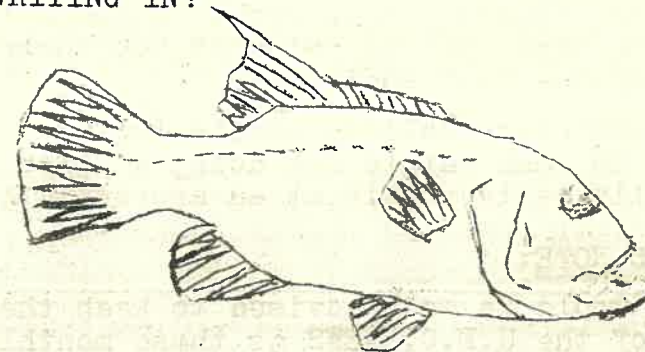
NEWS FLASH:

After some years of trying to change the laws that govern these things, the Australian Standards Association of Australia has officially recognised the need for identification of air cylinders used on Underwater breathing apparatus by some bright colour that can be seen, even in murky water. We have been pushing for this through the Council of Underwater activities and it is at last through. All cylinders will be coloured "CANARY YELLOW" with the word "AIR" in BLACK LETTERS on it.

WESTERN AUSTRALIAN FISHES: No.1 Contd.

lacerate, also avoid the gill rakers or edge of gill cover (opercle) as these can be quite sharp. The legal length is 13 inches.

IF YOU HAVE MADE ANY OBSERVATIONS ON THIS FISH, WHAT ABOUT WRITING IN?



MALE

ANNUAL DISTANCE SWIM: By Harold Roberts.

This event was held under very bad weather conditions. The day was more suited to staying home in front of a fire. However, 37 swimmers arrived down there and began swimming. Some pulled out after a few laps while some of the more hardy ones kept going. John Carrie put up a very good performance in completing 4 miles but was eventually beaten by one lap by Rudy Kreuzer of the F.I.S.H. Club. Rudy is 46 years old and unfortunately for the Secretary, won the Roberts trophy of a bottle of wine for swimmers 40 years and over. Rudy also won the main prize with 4.1/3 miles and the lucky number prize. John Carrie was second with 4 miles and Bill Doherty of the Police Diving Squad was third with 3.3/7 miles.

Elaine Airey deserves a special mention in doing 2 miles in these conditions. Two of the boys were actually seasick in the conditions prevailing. Our thanks to Reg. Evans and Don Marling of the F.I.S.H. Club who spent several wet hours handing out discs on the Groyne.

WESTERN AUSTRALIAN FISHES: No.1 Contd.

The Jewfish is a sedentary fish and can easily be fished out on isolated patches of reef and when this occurs fishing is generally poor until the next season.

On good fishing grounds during late November to February (to late March at Abrolhos Is.) the fish are spawning and may be caught on spawning grounds in 22 to 28 fathoms during the night. The deep water Jewfish move up into the spawning areas in late November early December; males usually first, females later. These deeper water fish can be distinguished by their shiny appearance. During late December to early March, sometimes as late as early April in more Northern waters, the Jewfish is spawning. The male Jewfish can be distinguished from the female as he has the hinder portion of the soft dorsal fin with an elongate white ray while the female has the soft dorsal fin much more rounded. Females have very large roes and eggs are very small, indicating that the mortality rate on larval and juvenile jewfish much be very high. After spawning, fishing is very poor, apparently while fish are recovering from their ordeal, but in early May, the fish are again feeding and fishing is good. Smaller fish to 20 lbs. (occasional specimens larger) are to be taken in shallower waters to 2 fathoms, but generally larger fish are deeper. The record appears to be 57½ lbs. taken at Nornalup this year, although I have heard of Jewfish up to 70 lbs!

Like many "Cods" (Epenephelus sp), the "Jewie" has small closely set teeth designed for holding prey rather than for biting it; however, when cleaning or handling these fish, care must be taken not to place the hand or fingers deep into the throat as the "crunchers" can badly

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This will be as from the 4th September '61 when C.I.G. will have--by the can advised to accept this colour. The official letter is going to the C.U.A. and we will get it out in good time. -- Wait until we hear the exact specifications before you do anything about it.

"COME AND GET IT" - By Harold Roberts.

John Craig of the Castle Hotel, York, has been a member of the U.E.C. for some years and it has been my privilege to drink his hospitality.

I noticed a small advertisement in a copy of "Perth Gazette and W.A. Times" dated 14th June, 1867, yesterday in the Archives --

"Mr. Sam Craig of the Castle Hotel, York, wishes to advise his patrons that the cost of liquors in his establishment is :

Brandy	30/-	per	gallon.
Rum	20/-	"	"
Gin	"	"	"

Patrons are invited to take advantage of this offer."

John's grandfather believed in offering man-sized quantities in those days at a very pleasing price. I am writing to John and ordering a gallon of Rum at 20/----it should be good stuff!!

ANNUAL SUBSCRIPTIONS:

You may have gathered, with the little reminders over the last few months that these are now due and payable to the Hon. Treasurer either at the next General Meeting or by posting same to his home address.

Members now have only one month's grace after this date in which to pay their Subs. so if after November your U.E.C. News does not arrive, you will realise you are unfinancial. The tedious task of re-nomination and an additional 5/- on top of your subs. can be avoided by prompt payment.

FOR FREE. HIGH PRESSURE AIR HOSE SUITABLE FOR SPRAY PAINT. UNITS, OR LEADS FROM THE Y. JOINTS ON HOOKER HOSES.

TAKE IT AWAY FOR FREE. APPLY: THE TREASURER--HOME ADDRESS

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THE CASE FOR BETTER DIVING: By the Beach Master.

At the risk of being branded as a Pep-Talker, but writing this in the hope that some newcomers to the Club may benefit, I feel some words of this nature will be in order; especially when the year's activities are about to start.

I speak from experience gained over several years of interesting and satisfying diving with all sorts of members, and members of the diving fraternity outside our own Club.

My first observation is centred around our Training Base. This was commenced by myself 5 years ago and has been successfully run by willing men divers. There is room for improvement here and always will be. This is brought about by the increasing numbers to cater for.

Thus Base is the most important public utility in this field in W.A. Incidentally, it is the only place in Australia where diving tuition is available on a regular basis and thanks are due to the voluntary instructors who make themselves available for this work. This base is designed for making a newcomer safe with the equipment he is going to use for his sport of diving. It is not our centre for enjoying diving in its many aspects.

Many members seem to complete their training and that's that. From there they disappear and do not take advantage of real diving. They prefer to poke around shallow and protected waters rather than take advantage of the sights available around our Coast. In other words, they stay "BOY-divers" rather than develop into "MEN-divers". I cannot understand how it is that the Club hires a boat and goes out to the wreck of the "Sepia" with only 6 members aboard. 6 members out of 70 or 80 is amazing when you consider the hours of enjoyment available on this wreck. It's another interesting feature that out of the small numbers on boats, several come from the country centres to have a dive on these days.

I agree that in several cases, we were badly let down by the owners of the boats; it does not, however, alter the fact that very few members turn up. It is only through diving in open waters and various diving conditions that we can build up diving.

WESTERN AUSTRALIAN FISHES: NO.1 Contd.

waters, and are caught by handlining (spear-fishing in shallower waters), only occasionally by set-lining.

In the shallower waters, to 15 fathoms, the Newfish bites best at night but in deeper waters they are to be taken at all times of the day. They rarely move off rocky reef areas and to catch the Jewfish, the line must be weighed with a sinker heavy enough to keep the bait near the bottom continuously. Best baits are squid heads, skinned octopus, parrot fishes and a variety of other baits; the best of these are probably cobbler, hermit crabs and crayfish.

When suitable bottom is found, generally in waters of 14 to 30 fathoms for larger fish (they have been caught to at least 60 fathoms), it is the usual practice to stop the boat on the up-wind side of the reef area and drift slowly with lines down.

The Jewfish usually holds the bait in his mouth for a few moments and then works it back between the "crunchers" or as scientifically known, the pharyngeal teeth in the throat, where he masticates his food slightly before swallowing. Therefore, it is best to give the fish a slack line after a bite is felt, in order to allow the bait to go deeper into the mouth where the hook holds better. After a sharp tug to bury the hook, the Jewfish should be hauled up to the surface fairly quickly, when the sudden change in pressure affects his swim-bladder, swelling it (air embolism in fishes ?) and often the fish comes to the surface without much struggle, when it should be gaffed under the gills and hauled aboard.

WESTERN AUSTRALIAN FISHES. No.1 Contd.

regarded by many to be the finest table fish on the W.A.Coast.

It ranges from Cape Leeuwin in the South to around Murcheson River in the North; stragglers occasionally reach Albany and a few have been taken at Koks Is. Shark Bay.

They are much sought after by fishermen, amateurs and professional alike, and small commercial fisheries have developed along the Coast; particularly at Bunbury and Ledge Point-Lancelin areas, as these fish fetch high prices in the markets.

The Jewfish appears to be restricted to the W.A. Coastline and apart from *G burgeri* found in Japanese waters (reported to be identical with our W.A. Jewfish) has its nearest relative in the highly esteemed Pearl Perch (*G. scapulare*) found on offshore reefs in New South Wales and Queensland. Resembling the Pearl Perch in having a continuous dorsal fin of 8 spines and 11 soft dorsal rays, 3 anal spines and 9 soft anal rays; head entirely covered by small scales gradually becoming quite large on the body; a large eye; villiform or brush-like closely set teeth and other characteristics, differs mainly in having a slightly smaller eye (one fifth of head length instead of one quarter in diameter), a lateral line scale count of 48 instead of 50, besides being a much larger fish in size.

Little is known of the habits of both fish, particularly the Pearl Perch which does not appear to be as common on the New South Wales Coast as our Jewfish is here. Both fish inhabit the offshore reefs, generally in deeper

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Standards in S.U.B.A. are high compared with the rest of the world. I would hate to see our standards go down and this will certainly happen if all members can't find an interest in dives available in waters apart from our "Base".

Some people have asked me what diving is available off Fremantle and other spots. As far as I'm concerned, just to get underwater is a good enough experience for me. There is something to learn every time you submerge. Here are some definite projects and dives available for the next 20 years or more :--

1. DEEP DIVING (150 ft. or more).

This includes a study of Nitrogen Narcosis or raptures of the deep.

This is a vague term for the peculiar feeling below 150 ft. The more you look for information on this subject, the less you find that satisfies the sensation.

2. SURVEYING REEFS (for good diving spots and fish).

This could be done easily and pleasantly with our Manta-Board. (some new members haven't seen this, yet only had the fun of riding it). This project alone takes in years of work. The "Five fathom bank", "Duffield Ridge" off Rottnest and the reefs around Rottnest are wonderful spots.

3. SPEARING FISH (tut-tut, we are Scuba).

4. UNDERWATER PHOTOGRAPHY

There are experts on this field in our Club and outside the Club who can help newcomers. There is even a trophy for the best underwater photograph.

5. WRECK EXPLORATION:

We have a number already found and need going over properly. There are hundreds to be found yet. Go into the Archives and look around there.

6. MARINE BIOLOGY AND GEOLOGY:

The naturalists group although not directly connected with our Club, are always looking for good divers to help them and they will help you in learning the fundamentals. An article will soon be available on 'Lake

Richmond' near Safety Bay that will demonstrate some work attached to this project.

Another one is the study of original sea levels which have been in the past ages 200 ft. lower than they are now. This includes the study of deeper reef and its character.

7. EXPERIMENTATION:

This covers a vast field and includes search techniques in various waters, underwater lighting, raising of objects, finding of objects in deep waters, individual capabilities of endurance in cold water, swimming endurance, deep water endurance, nervous tensions of individuals, breathing characteristics, studies of drifts and currents allied to crayfish spawning grounds--this study entails sand ripple marks investigation in various depths of water.

8. INVESTIGATION OF DIVING AREAS ON OTHER PARTS OF THE COAST:

Any of these aspects will keep us going until our grandsons can take over. There are also our Proficiency Award Tests that any member can complete to add to his general knowledge and experience. A list of these tests can be obtained from me at any time.

Now it is up to you individual members to plague the Committee with queries, ideas and--most important--your help in organising some of these projects. Let's have some spirited talks and arguments on these subjects and make us all sit up and that is why the U.E.C. was formed.

EDITOR'S NOTE:

For those new members who do not know, Harold Roberts over the past years has earned the title of the Beach Master. I will not be so rude as to say he has any features similar to a walrus except possibly his diving ability.

RIVER DIVE:

About a dozen members turned up on Sunday, 27th, to dive into the dark and dirty depths off Mosman's Bay. The exercise was to descend down the anchor rope to the bottom (70 ft.) then proceed along another line (30 ft.) in nil visibility and attach a rope to an anchor. Fun and games were had with some of the knots.

(Page 6).

RIVER DIVE Contd.

After returning to the surface, the diver was then required to swim away from the boat and descent without the line, to the bottom again. Some divers reported a queer sensation while waiting to hit the bottom. It seems to take a long while when you're without vision.

Kevin Machon also tried out an underwater torch at depth and reported it very successful. Another 30/- was duly raised for the "Queen of the Sea" Competition.

OUR "QUEEN OF THE SEA":

Ann Palet (the U.E.C. nominee for the "Queen of the Sea" Competition) has just announced her engagement to Noel Harding. The Club as a whole, sends them both its best wishes and heartiest congratulations.

GENERAL MEETING .. 18TH SEPTEMBER, '61.

John Walden who has just returned from his little bout with the whales, will enlighten us on his trip at the next meeting and illustrate with slides.

WESTERN AUSTRALIAN FISHES. NO.1.

Western Australian Jewfish (Glaucosoma hebraicum).

By R. J. McKay.

First described in 1845 by Richardson, after a voyage in the "Erebus" and "Terror", to the Abrolhos Islands; the Jewfish was later called the "Fish of the Colonists" and is still regarded by many to be the finest table fish (7).

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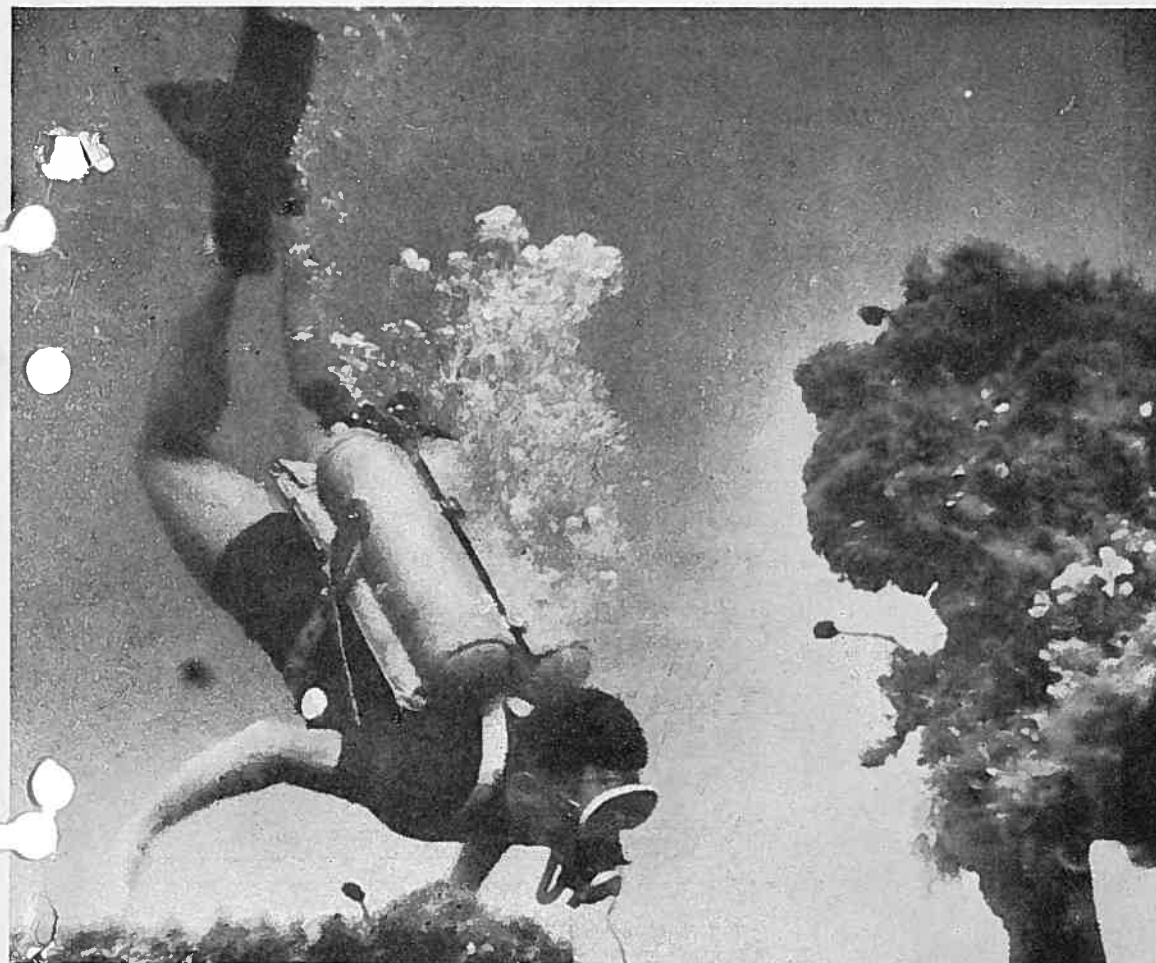
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Official Organ for Underwater Explorers' Club of W.A. Inc.




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THE MAGAZINE
FOR ALL S.C.U.B.A.
MEN

OCTOBER 1961.

Registered at the G.P.O., Perth, for transmission by Post as a Periodical.






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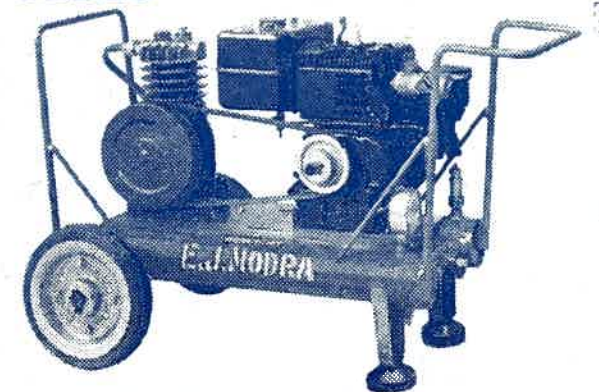
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The Underwater Explorers' Club takes this opportunity in asking all members to make this booklet available to others, and to foster an interest amongst all new members of the Club.

We welcome all to attend our training base at Woodman's Point.

A Doctor's Certificate and 5/- Nomination Fee is all that is required to commence training.

A subscription of £3/3/- per year makes you a member of Underwater Explorers' Club.

So come one, come all! Join this progressive Club and enjoy the RAPTURES of the deep.

SPREAD THIS NEWS TO OTHERS --

"I didn't run after you when we were courting" said Mrs. Browne. "No" replied her husband "A trap doesn't run after a mouse but it catches it ! "

DISCIPLINE!

A newspaper has published the following conversation between a visiting Australian and an Eton schoolmaster :--

AUSTRALIAN : "Do you allow your boys to smoke?"
MASTER : "I'm afraid not."
AUSTRALIAN : "Can they drink?"
MASTER : "Good gracious, no!"
AUSTRALIAN : "What about dates?"
MASTER : "Certainly, so long as they don't eat too many."

FROM : Mr. L. Goldsworthy, G.C., D.S.C., G.M.
PRESIDENT : Mr. J. Walden, 18 Upnore St., Cannington.
VICE PRESIDENT: Mr. J. Carrie, 49 Axford St., Como. Tel. 603141.
SECRETARY : Mr. H. Roberts, 226 Carr St., Leederville. " 281451.
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(Business) " 219161.
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Mr. A. Ottey, 22 Arthur Rd., Hamilton Hill.
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U.C. T/B. : Mr. M. Minchin---as above.
EDITOR : Mr. G. Evans, 24 Margaret St., Nth. Cottesloe. 3.3236.
(Business) Tel. 23.4646.

PRESIDENT'S REPORT:

It is great to be back with the old gang after my short stay in Carnarvon or should I say Shark Bay.

I was very impressed by the good work done by the Vice-President and the Committee: I think there is every indication of a really record year ahead.

The last field days had a better attendance than for the same period in previous years. Training Base opened earlier with a better start and there has been some big improvements in the equipment.

Congratulations to Geoff for his work on the news and I hope he gets the help he will need to make this as good as he wants it to be.

A very healthy and important note was struck at the last general meeting by one Allan Robinson when he gave notice of motion regarding Nitrogen narcosis. This motion, I feel sure, will be the subject of discussion for many meetings to come because it is giving food for thought to many other diving brains throughout the world at the moment. To date I don't think the real answer is available but with the right kind of work, the U.E.C. could come up with the

solution. Kevin McMahon is working hard on certain aspects of deep diving which at first sight may not appear to be relative to the question of Nitrogen Narcosis. However it may prove that the line he is working on may have a very important bearing. Another man whose name I am certain we will hear a lot of in connection with this matter is Dr. Naom Haimson whose medical knowledge alone will be very important to any project.

If, while diving, somebody comes up to you and asks you to open your side and say 'Ahhh' it will most likely be 'Naom', or if you suddenly feel a sharp object being stuck into you it won't be Harold Roberts with one of his rusty old spears but most likely a hypodermic syringe to get a blood sample.

I'm going to stay out of the water this year. Members, I may have made a bit of a joke of this but don't be misled, it is really serious stuff, of the type the U.E.C. excels in and thrives upon. The diving public looks to the Club in these matters and expects us to be up to date.

Another point that was very pleasing to me and I am sure to the entire Club, was the presentation to Bernie Bowen and Roland McKay of their initial and advanced certificates—congrats. to you both; more important is the reason why they were presented at this time of the year. They are both going to carry out certain research for the Fisheries Dept. which will entail work underwater. To do this work the Fisheries Dept. requires them to hold our certificates. This must surely mean a lot to all members of the Club who have worked to achieve the high standard that we have reached in diving in this State and for that matter in Australia.

On behalf of the Club I would like to say thanks to Roland for the article on Jewfish which I understand is the first of a series. I am sure the Club will join me in wishing Bernie and Roland every success in their search and we look forward to a long and happy association with them and the Fisheries Dept.

Referring back to Nitrogen Narcosis, the next general meeting should be very interesting and educational; let's see all the members there!

HOW NOT TO BE SEA SICK !! By Dr. N. Haimson.

The only sure fire answer to this question is to stay on dry land. However, if a few of the basic factors in sea sickness are understood, it can be greatly minimised.

Without previous experience our imaginations played havoc with our common sense. So much so, that on entering the water we were keyed up, tense and excited. Little wonder that we felt elated on touching the bottom; that we wanted to sing and take out our Mouth pieces; that we wanted to dance a jig on returning to the boat. Yes, "Raptures of the deep" or for a true definition "Mental Intoxia introduced through excitement or achievement". Tennis players are notorious for throwing rackets in the air and hugging and kissing one another (not only in mixed double contests either) and you can probably think of a thousand similar incidents.

Where then, is this nitrogen narcosis, and how is it possible to relate it to "raptures of the deep" !!

I am emphatic, that there is no medical proof, or any conclusive evidence ever produced which could justify any belief in nitrogen becoming a narcotic during the process of deep diving and so producing this stupefying effect.

Think back to the first time you heard of deep diving. It was then believed that you would experience 'raptures' at 75 ft. But as each year went by and deeper dives became more commonplace, so the depth of the 'raptures' occurrence increased. We now believe there is no effect at 200 ft. Why? Because we have been there! What then at 300 ft! Gather your confidence and through your experience, help to dispel the fallacies which have done so much to dampen your enthusiasm towards this, the greatest sport of all.

Two thirds of the world's surface is still unexplored and there is no room in an adventurous spirit for nonchalance, disbelief or indifference, so come to the next Meeting and state your views on this subject.

OR MAYBE! YOU STILL BELIEVE THE WORLD IS FLAT!

GENERAL MEETING, MONDAY, 16TH OCTOBER. NOTE.

BOAT TRIP:

Next month's trip will be on 19th November '61, The boat being "The Dauntless" which leaves from Tilley's landing at 8 o'clock sharp.

SPORTSMAN OF THE YEAR.

The Club's nominee for the 'Sportsman of the Year', Kevin McMAHON has been elected by the Council to represent the Diving fraternity in this event. Let's all hope Kev's name comes out first in the next draw.

NOTICE OF MOTION:

PROPOSED, Allen Robinson. SECONDED Dr. Naoom Haimson - That failing any definite proof to the contrary, we do not recognize "raptures of the deep" as being caused by "nitrogen narcosis".

DEEP DIVING YAY OR NAY: By Allen Robinson.

In introducing the motion condemning the fallacy of nitrogen narcosis, it is with the intention of clarifying some of the mistaken conceptions of Deep Diving.

With the improvement of diving equipment and the knowledge and experience of our divers, depths in excess of 100 ft. have become commonplace, even to the extent of the average trainee actually wanting to dive to 200 ft. This, in itself, proves a minor point; for less than ten years ago we were given to believe that we would suffer all types of physical discomforts if we were foolhardy enough to make these attempts.

Reports had been given from all parts of the World, of a form of drunkenness which affected every individual in an entirely different manner at depths ranging from 75 ft. to 300 ft. Everything from a slight feeling of elation on returning to the surface, to fatal accidents while deep diving, were blamed on this malady of drunkenness or what has been called "raptures of the deep". For want of a better name this one is probably as good as we will ever hear for "raptures of the deep" is as meaningless a phrase as anyone could possibly conceive. However, its relationship to nitrogen narcosis is as close to the truth at present, as the Yanks landing on Mars--- my apologies for that remark for this subject is not meant to be humorous. Unexplainable sensations do occur and in any deep dive there are dangers to be considered; faulty equipment, insufficient instruction, lack of experience and necessary self-confidence are your main worries.

Who, on his first dive, felt confident about diving to a 100 ft.

Firstly---there is a great psychological element in seasickness. If you keep worrying that you will be sick you almost certainly will. It is no crime to be sick. Mariners who have spent years at sea can be sick in certain circumstances. Secondly---the nausea and eventual vomiting is considered to be due to motion disturbing the flow of fluid in the semi-circular canals. These are structures in behind the ears and are responsible for the sense of balance. The sensitivity of these canals to movement varies greatly from person to person, as does people's susceptibility to sea sickness. Thirdly---there doesn't seem to be any doubt that the presence of a lot of liquid in the stomach and its sloshing back and forth, contributes greatly to the tendency to be sick.

Here are a few hints on how to reduce your chances of sea-sickness :--

Develop a philosophical attitude. If you are sick it is no disgrace; if not, good !

Restrict your meals to protein and lots of carbohydrate, e.g., lean meat, eggs, bread, sweets, glucose lollies or powder. Keep liquids down to a minimum. Avoid undigestible foods; oily or fatty fish or meat; coarse vegetables (lettuce, celery, etc.) spices, pickles and relishes.

Incidentally these dietary hints apply equally to those who are merely going diving without going out on a boat.

Lastly, if you find you are prone to sickness, see your doctor. There are several very good anti-nausea tablets available.

THE BLUE GROPER (Achoerodius gouldii) Richardson. By R.J. McKAY.

A very popular angling fish of the lower W.A. coastline, this fish---due to its habitat amongst rocky reef areas close inshore---has become very popular with spearfishermen in W.A., S.A., Vic., and N.S.W.

The Blue groper, and the smaller red variety (which is by the way, the same species, although once recognised as a separate species and given the scientific name of "Acherodus badius" by Ogilby, an Australian Ichthyologist) are to be found all along the Southern Coast of W.A., around Cape Leeuwin and extending as far North as Geraldton, although not found in numbers North of Lancelin Isle. The groper prefers a very rocky locality, beneath Coastal cliffs and headlands, especially where the sea bed is rocky and weedy, and waters deep and clear; where rocks and cliffs fall sharply into the sea with gutters and channels, caves and ledges, etc., this is the gopers favoured habitat. Frequently big Blues are seen browsing where the tide surges and the bottom is broken. Often the best

groper spots are the most inaccessible to both rock and the spearfisherman. Both sports can be very exciting and rewarding but the taking of undue risks should be at all times avoided in these rough areas.

Growing to a length of nearly 6 ft. and a weight of 90 lbs., the groper belongs to the family Bodiandiae which is very closely related to the Wrasses or Parrot fishes; in fact the groper is on occasions, placed in the parrot fish family Labridae by some Ichthyopogists.

The red or brown groper is the juvenile and adolescent stages of the blue groper; many more red or brown gropers are seen close ashore the larger blues or bluish green fish are found to frequent the deeper water areas but may be taken alongside the browns in the shallows. For many years the brown groper was reported to be the female of the species and the "blue" the male, but this theory appears to be now discredited. Although many brown gropers are females, female blues have been taken on numerous occasions.

The fish is to be taken throughout the year but the winter months do appear to be the best. The spawning season is yet undefined but it could well be midwinter as spent fish have been taken off Albany in early October--They are a non-migratory fish and many old blues occupy the same cave or crevice for years, becoming very wary of line fishermen but often falling easy prey to the experienced skin diver.

This fish is heavily built with large fleshy protruding lips covering stout round teeth that are admirably suited for crushing shellfish and crabs, its principal food. Scales are large and very adherent. Many fishermen preferring to fillet and skin the fish rather than attempting to scale it. Like many of its kind, the groper has a copious amount of slime on its body. Dorsal spines number 11 (and the same number of rays)--they are rather stout and are joined by a low membrane to the soft dorsal. The anal fin has three short spines and eleven soft rays. There are 29-30 scales on the lateral line. The caudal fin is fairly large and powerful, with the margin slightly rounded or square.

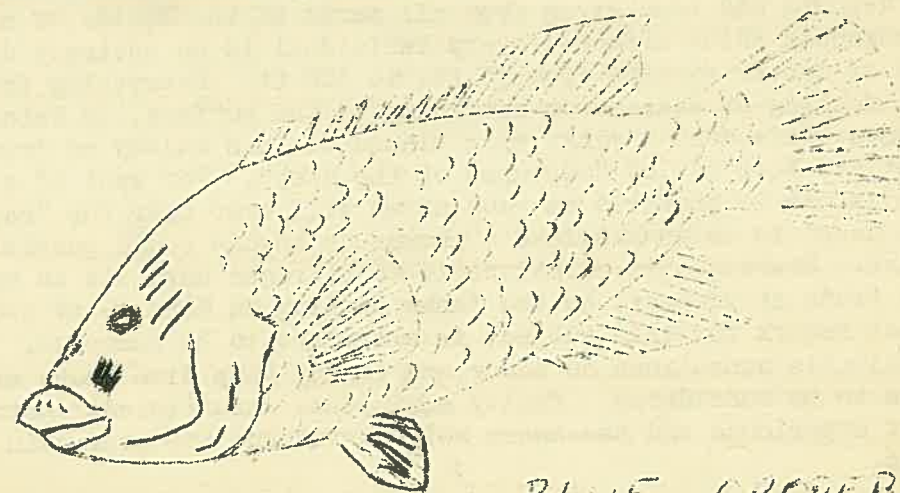
As previously stated, the groper feeds mainly on crabs, but will take the large "Turban" shells, Barnacles, Echinoderms and Starfish, Crayfish, Squid and pieces of fish bait; crushed rock crabs are, however, definitely the best bait and burley.

As the fish is of a sedentary nature, somewhat like our jewfish and common close ashore, it can be fished out by large parties of spear or line fishermen. Recently in N.S.W. many rock fishermen

voiced protest at parties of spearfishermen indiscriminately slaughtering groper by the ton and wanted a bag limit of 2 groper per spearman to be set. I believe the limit is now two fish per day for both the spearman and the angler. It could well happen here so lets become conservative minded and only take our daily requirement. In this way lets hope we can avoid the "bag limit".

The groper often feeds in a head downward position on the bottom, waving the tail slowly to and fro while it bites shellfish off the rocks or seeks crabs amongst the kelp and sponges. It is a slow swimming fish but capable of fast bursts of speed and is very powerful when hooked or speared. A cautious approach is necessary as the fish is prone to scare easily and accurate spearing is required due to the large scales which often deflect a badly positioned shot. When hand-lining a sinker is often employed but in quieter waters this is unnecessary as a drifting bait is always attractive. A freshly caught rock crab, a strong $\frac{5}{8}$ o hook for large fish and a heavy nylon line makes the essential equipment.

Groper should be hauled up and landed or gaffed rather quickly as they are adept at snagging or fouling a loose line. Burley such as crushed rock crabs or shellfish is normally used but do not overfeed. Crabs should be placed on the hooks whole. Popular fishing spots are--Cowaramup Bay, Bremer Bay, Hamelin Bay and Augusta area, Windy Harbour, Rottnest, Yallingup and Denmark.
Any further observations by members ?



BLUE GROPER

The crew made an attempt to unload a box of gold sovereigns into a waiting dinghy but during the operation the box fell into the water and is apparently still there.

We do not know what salvage attempts were made to retrieve this money; there are no official records to show that anyone has tried. We have searched around the area like scratching fowls and one day we may get a suction hose on the job. "

"The 'Ulidia' is another wreck not very far from the 'Lancier'. She was a ship of ? tons that drove onto the Stragglers Reef in 1893 and is there still. She had nothing of value aboard and at this stage we havent inspected her closely. This wreck was found by members of various clubs during their many excursions to this popular ground. "

"Mention must be made here of nine canons found just off one of our local beaches four years ago. These were at least 200 years old and their origin has so far remained in a cloud of mystery. One or two small fragments of this wreck have been found nearby but the bulk of this ship has been undiscovered. There is the usual weed growth in this area and possibly under all this growth and coral lie the bones of a very interesting story of hardship and fear.

Diligent search has been made many times but the efforts have unearthed nothing to indicate the main wreck. The canons have been inspected closely on bringing them to shore but no markings point to their country or origin."

FOR SALE: Piralli . dry suit, medium size, short length. Best offer. A. Ottey, 22 Arthur Rd., Hamilton Hill.

Two Stage 72 cu.ft. Aqualung--As New.
Ring -- J. Carrie (well known sportsman & scholar, son of a Scottish Lord).
At work 217434. After 603141.

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VICE PRESIDENT	:	Mr. J. Carrie, 49 Axford St., Como.	Tel. 603141.	
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			(Home) " 81322.	
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S. I/B.	:	Mr. M. Minchin---as above.		
EDITOR	:	Mr. G. Evans, 24 Margaret St., Nth. Cottesloe.	3.3236.	
			(Business) 23.4646.	

PRESIDENT'S REPORT:

Last meeting turned out to be quite interesting and I am sure members present learned a lot about the peculiar behaviour of compressed air in deep diving.

I am prompted to write a few lines on this subject because Allan Robinson's article in the last edition of the news, made me feel that there wasnt anything to worry about in deep diving except purely physiological reactions. Whilst this plays quite a big part in the effects felt by some divers, it is far from the truth.

What Allan set out to prove was that Nitrogen under pressure is not a narcotic, therefore does not produce the condition called "the raptures of the deep". All will agree, I think, that Allan put in quite a lot of ground work to come up with the technical data.

The meeting decided that Allan couldnt prove that nitrogen wasnt a narcotic, but at the same time neither the members nor the text books could prove that it was. There was a fairly strong opinion that carbon dioxide was a big factor contributing to the raptures of the deep.

The fact still remains that it isnt safe just to go burbling off to 200 feet without some training and several good mates, just in case you are one of those who are affected more than others.

For some time now members have felt that the general meeting should be kept as short as possible to allow general discussion on diving. Last meeting must have been a record as the business was finished by 8.30 p.m. leaving a good hour and a half for technical discussion on deep diving. Members are asked to bring their problems forward (that is diving problems!) for in answering them we all learn a little bit more about the sport.

With the warm weather here there will be an urge to get back to the water for some who put their gear away for the winter. Anyone who feels at all rusty should take a run down to base and have a brush up.

GENERAL MEETING, MONDAY 20TH, NOVEMBER:

Our illustrious President will give a complete demonstration on the cleaning of a Porpoise demand valve at this meeting. It is also hoped that we can organize a similar demo. on other types of units.

ATTENTION ALL MEMBERS!!

There have been times when opportunities for boat trips of a private nature are available and a short time only, is available to round up a few blokes for it. It is impossible to get to all members in time. These trips are usually very interesting. With the idea in view of forming some sort of roster or programme, would any members who are interested in taking part in these outings, please supply your Secretary with your name, telephone number and if Initial or Advance Certificate holder. He will then always have this list on his records and during the season, opportunities will crop up for an interesting day's diving.

If you don't supply your name, you will probably miss out. Incidentally, it would be useful to know if you have a lung or not.

All those people interested in 200 foot dives and who are advanced certificate holders with at least 2 x 100 foot dives to their credit and who have a lung of at least 60 cubic feet capacity, please notify the Secretary with your name.

much more interesting and that is articles written by members.

It can be on anything at all: diving spots visited, building gear; new gear out; straight gossip; anything—I repeat anything at all! Think !! There is no easier way to get your name in print. (If there is going to be a scream, it can always be anonymous).

It's your Magazine, so let's not leave it to the few. Write about something and post it to the Editor for next month's edition.

WRECK EXPLORATION IN W.A.: By H. Roberts.

The following extracts are taken from an article written by Harold and sent to Andris Lidums for publications in other countries.

Harold explains how many of the wrecks came to be on our coastline, then goes on to say :-

"The steamer 'Orizaba' of 3325 tons ran aground on a reef out from Fremantle in 1905. She lay on this reef for some years, high out of the water and eventually was broken up after everything was salvaged. There she lay until she was re-discovered by members of the Underwater Explorers' Club in 1959. She was found by a systematic use of our underwater sled or "Manta Board" as it is known to us."

"The 'Carlisle Castle', a sailing ship of 1458 tons was wrecked about three miles South of the 'Orizaba' in 1899. She is good diving for our enthusiasts as articles of the non valuable cargo are still available. These consist of fire bricks, general bits of hardware and bottles of liquor.

On the same night as the 'Carlisle Castle' was wrecked, another sailing ship, the 'City of York' was blown onto Rottnest Island. She was a ship of 1218 tons.

Recently, members of the 'Blue Water Wanderers' raised one of the anchors weighing over a ton and it now stands on Rottnest Island as a memorial."

"The 'Lancier' went down onto a reef in 1839. This reef is only four miles from Fremantle. She was a sailing ship which sank during a storm.

Conventions.

The Navy has been contacted regarding their part in the S.C.U.B.A. Championship and on their reply a programme will be compiled.

The rules of competition will be passed by the C.U.A. shortly and all these facts, programme, publicity, etc., will be available at the next Championships in N.S.W. at Christmas time.

Finance is a big problem and we have asked that the months of January, February and March be kept clear of all Clubs money raising efforts. The C.U.A. can then operate without having to interfere with your activities.

We ask your co-operation in these ways :--

- (1) We will need to know from your Club, the approximate number of competitors (including families) who will be requiring accommodation in or around Denmark. We will want to know whether you want accommodation in hotel, Caravan Park, camping facilities or a home. We want a rough idea as soon as possible.
- (2) That you all patronise activities this Committee organises to raise funds.
- (3) That if there are any matters or doubts that need clarification, your Secretary has only to ring me and I will attend your meeting to advise.
- (4) Remember that the Committee are only human beings doing a job so that your Club and others in W.A. will reap the indirect benefits. "

EDITOR'S NOTE: The Chairman of the Organising Committee is Harold Roberts.

READING IT? WHY NOT WRITE IT?

There is really only one thing that can make the News

SPORTSMAN OF THE YEAR:

At the last general meeting, the Secretary reported that Kevin McMahon's name had been handed to the National Fitness Council by the C.U.A. Delegate, Mr. Dennis Leiper who was told to await reception of the appropriate application forms which would be posted to the C.U.A. by the National Fitness Council. These had not been received and on enquiries it was found that the final judgment had been made without Kevin's name being included.

The Secretary has written to the C.U.A. requesting that investigation be made to find out who was at fault.

WESTERN AUSTRALIAN FISHES. NO.3.

The Banded Wobbegong. (*Orectolobus ornatus*).

By R.J. McKay.

There are 5 species of Wobbegong sharks in W. A. waters; those found in more Southern waters (South of Shark Bay) are *O. maculatus*, *O. ornatus* and *Sutorectus tentaculatus*. These can be readily distinguished by using the following key:-

- 1.(a) Rows of tubercles (or raised lumps) on the back. Mouth with simple tentacles. *S. tentaculatus*.
- (b) No raised tubercles on back, back smooth --
- 2.(a) Mouth fringes weed-like or flap-like. Two papillae above each eye. *O. maculatus*.
- (b) Mouth fringes simple; Body marbled with brown. No papillae above eye. *O. ornatus*.

As *O. ornatus* is the most common Wobbegong in the Sth. of Western Australia, the following notes will be on this species; however, much of the information will apply to the other two species as well.

The Wobbegongs are bottom dwelling sharks, having a well developed spiracle or opening behind the eye, as do the stingrays and shovelnose sharks. They are a sluggish, slow swimming shark that feeds mainly at night and rests during the day underneath rock ledges, inside caves and sometimes amongst weed areas and sunken wrecks. Normally slow moving and inoffensive, they are on occasions capable of rapid movement, becoming very aggressive if disturbed. Many spearfishermen, and to a lesser extent anglers, have been mauled by these sharks, and a large specimen

can be dangerous. They have very sharp fang-like teeth and an unpleasant habit of holding on like a bulldog: Once they take a bite it can be very difficult to dislodge them. It is best, if circumstances permit, to wait for a few moments and withdraw a hand or foot when the Wobbie releases his grip, which they do at fairly frequent intervals. This may only be possible when using breathing apparatus. They also have the habit of waiting quietly on the deck of a boat or on the top of a wharf after capture, until an unwary person comes close, they then suddenly swing around, with a noisy grunt and savagely bite.

Wobbies can remain alive out of water for a considerable time. They accomplish this by closing the gill slits after each breath, thus preventing the gill membranes from rapidly drying. I have known them to remain alive in the shade for over 4 hours but they rarely last over 1½ hours if left in the sun.

They are viviparous (producing their young alive). The embryos are nourished by a pseudoplacenta--the walls of the uterus being lined with blood filled villi (filaments). During the courting season, females are often seen to have the body and pectoral (side) fins bitten, possibly by the male. Embryos measure 10 - 11 inches at birth and a large female produces between 2 and 23 young.

The Wobbie feeds mainly on fish and is an efficient scavenger. A few attacks by wobbigongs have been reported and I am interested in any other unrecorded attacks by these sharks, giving locality, time, date if possible and a general account of the attack.

FUND FOR 1961/62 CHAMPIONSHIP DELEGATE: (By the Secretary).

Recently, all members received a note requesting voluntary donations to build a fund to help the C.U.A. to send the S.C.U.B.A. Delegate to the Australian Championships in N.S.W. at Christmas time. This delegate, as you all know, is our Editor, Geoff Evans. Geoff has been preparing himself to compete against the best in Australia and to bring back to us all the knowledge and experience gained.

A number of members have very generously contributed but we are still short of the necessary £40. aimed at.

Please send your donations to Harold Roberts,

(Page 4).

I leave with this very useful bit of information. The sediment on the bottom, when dried, will burn and is a very effective mosquito repellent or mother-in-law antidote.

BOAT TRIP:

This is one trip you cant afford to miss so take note ..

On the 19th of this month the boat will leave Tilley's landing at 8 a.m. sharp. The dive will be a 100 footer, then back onto the SEPIA for some souvenirs. It might be mentioned that the last dive on the wreck produced many things including one only brass porthole (a square one at that) So get with it and have an enjoyable day out.

CHRISTMAS PARTY:

It has been decided to have an informal party this year at Mike Minchin's home on the 16th December. Keep this date free, for with John Carrie, Mike Minchin and Geoff Evans organising it, its going to be a real success. That is providing YOU'RE there.

1962/1963 AUSTRALIAN CONVENTION:

This is a copy of a letter received by the Club from the C.U.A. :

"The C.U.A. have appointed a special committee made up of delegates from each club, to organise the 1962/1963 Australian Convention at Denmark. It is this Committee's responsibility also to raise funds for this event.

Your delegate has brought back to your Club what has been done to this date. Details do not as yet fit together to give you a complete picture but gradually they will do so.

Mr. Jack Sue and myself have visited Denmark and discussed preliminary arrangements with their Business Men's Association and Shire Council members. The people (as well as all other individuals spoken to) have shown a very keen interest in the event and are co-operating with us to make it a successful venture.

Pamphlets on accommodation and other aspects are being sent to us for distribution to Clubs and to our Delegates going to the 1961/1962 Convention.

All State bodies have been written to asking them for all facts and figures as well as suggestions and criticism of past

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dead bodies of microscopic animals and plants living in the Lake water for the past thousands of years. The bottom and hard wall of the Lake are a coastal limestone covered with a deposit of lime precipitated out of the Lake waters. (The waters are highly concentrated with lime).

The coating of the stone is likely to be added to by a calcareous algae. The water is 150 grains of salt per gallon. This means that it could be used for general stock and gardens but the salt content is too high for normal human consumption. In some areas and in some cases, people on farms do utilize this type of water for their domestic use.

The seasonal rise and fall of water levels in the Lake during Summer and Winter periods is brought about by local weather conditions and the fact that high winds on one side will bank up the level on the opposite side of the Lake. There are, however, other fluctuations of water levels which have not been accounted for as yet but it is possible that ocean tides may be responsible for this. As insufficient data has been properly established, seepage through the deep Northern end of the Lake where the sediment is not evident, could be a further reason for the varying depths of the water.

General notes at this stage :

Swimming in the waters is reasonably hazardous because of the depth of water (30 ft. from the Northern shore, it drops to about 25 ft). Slimy sides and the freshness of the water with the consequent lack of buoyancy and very important, the possibility of infections caused by this type of water as opposed to salt water of the sea.

This project when completed, will be a thoroughly worthwhile investigation scientifically and good experience will be gained in carrying out the project. Similar work will be carried out on the White Lakes on the Mandurah Road, Lakes Clifton and Preston near Mandurah.

Any interested diver who wants to learn something useful along the lines of this story, can easily contact the Marine Group of the Naturalists Club. Ring Kevin Morgan at the Geological Survey Dept., or Barry Wilson of the Zoological Dept., University, or their Secretary, Mr. A. Dawson, 95 Robert St. Como. 604283. If in doubt, ring Harold Roberts.

226 Carr St., Leederville, or ring him at 281451 or 81322. Ten shillings from each member would fill the bill. If you have more, give freely.

NATURALIST CLUB WEEKEND CAMP:

The Naturalist Club's marine group is planning a week-end camp at Careening Bay, Garden Island, on the 25th & 26th November.

The object is to potter around finding small fish, shells, weed, etc. Experts present will then identify same for the new blokes.

An invitation is extended to all U.E.C. members to go along. Small boats and a hookah will be available. By the by, its a mixed camp I believe. Any persons interested please contact the Secretary.

SEPIA: By the Beach Master.

The wreck of the "Sepia" was visited recently and the past windy conditions have caused a lot of movement to take place around this wreck and as a result much has been uncovered. The next time members are going out to it they should be able to pick up some new and interesting relics.

GOSSIP:

We have it on good authority from Andris Lidums (Federal Overseas Liaison Officer) of S A., that the boys over there are already fiendishly training for the Australian Lung Championships at Denmark in 1962/63. He even goes so far as to suggest that they have started building a shelf on which to gloat over the cups! We wont, of course, tell him that they're going to be terribly disappointed.

.....

There is talk going around that some of our members are thinking of putting up a team to enter the Western Australian Spearing Championships when they are next run. Why not? Some of our boys have speared some good fish in the past and their efforts in the long distance swim showed that they can keep up with many others.

Its about time we had a go at the spearing boys in their field anyway — they never miss the chance to have a shot (no, I dont mean with a gun) at us with the lungs.

NATURAL HISTORY SURVEY OF LAKE RICHMOND: By the Beachmaster.

For countless years now, an expanse of water between Rockingham & Safety Bay, has been lying just inland from the coastline about half a mile. It is 1 mile long & $\frac{1}{2}$ mile wide. No one has really been interested in it apart from the fact that the water is fresh. It lies right alongside the main road to Safety Bay.

Some years ago, however, a drowning occurred in the Lake waters and the local Authorities placed a sign nearby warning swimmers of the deep water near the edge.

Following this, a member suggested the local Authorities may be interested to know how deep it was. An outing was organised. Several divers disappeared into what turned out to be 45 ft. of water below which was a very fine sediment going to an unknown depth.

Near the Northern edge, however, this sediment disappeared, giving place to a hard bottom with 45 ft. of water above it.

This was all the available knowledge until Kevin Morgan and Barry Wilson, with the help of interested U.E.C. members, set up a joint project which could be of definite interest and use to mankind.

Kevin as a geologist, Barry as a marine biologist, Gwyn Hitchin and Kevin McMahon as cartographers, Harold Roberts and other interested divers, teamed up and set to work.

This project embraced the study of the Hydrology of Coastal lakes and the adjacent shorelines. Lake Richmond is the first of a series of lakes to be investigated within a short distance of each other.

As Hydrology is important for scientific knowledge and has an influence on settlements of the Coastal fringes and the establishment of Industry near them, it was a useful contribution to general knowledge.

This effort was a good sample of the Naturalist know-how, with the diving experience of the U.E.C., joining forces to bring forth something useful.

The main emphasis on this project was the study of the geological make-up of the Lake, the Fauna con-

tained in or near the lake and the hydrology.

Several interesting geological features were unusual and unique in this Lake. --

- (1) The steep sides and depth of water so close to the existing shoreline.
- (2) The freshness of the water.
- (3) The types and depth of sediment on the bottom.

The basic aim put forward on this project was to map and record all characteristics of the Lake. This meant a knowledge of --

- (1) The depth of the water.
- (2) The shape of the bottom of the Lake.
- (3) The shape of the Lake.
- (4) Hydrology (Chemicals and characteristics of the water).
- (5) Geology of the surrounding rocks and sediments of the bottom.
- (6) Biology. (Animals and plants living in the Lake and around its shores at present).

It is hoped that all these factors could be interpreted in an effort to determine the origin of the Lake; when it was cut off from the sea and when it was rejoined as in the past it has been. The sea has probably flowed into the Lake more than once in its history. It is hoped also, that the zoological information gained would point to the origin of the sedimentary deposits and possibly interpret the past environments for these creatures.

All this knowledge would emerge, we hope, by a bit of pleasant diving in gooey masses of slush which is so soft, that if you close your eyes, you would think you were still in water and not something more solid which on being brought to the surface, reminded someone of smelly piece of garbage. Visibility before the bottom is stirred up, is about 18".

This is some of the work done so far : Traverses were set out and the main shape of the Lake recorded including the shore and the bottom with the distribution of the sediments. Chemical tests have been done on the water, temperature; gradient surveys made and a short record of water levels with the attempt to correlate with ocean tides. Collections of mud samples have been chemically analysed. A collection of the fossil shell beds has been made and a lot of information on underground water surrounding the lake has been collected.

These are some results so far :

The mud or sediment on the bottom consists of the remains of the

SCUBA: By M.W.Scott.

Silent is the world below where man pretends to be a fish,
Containers on his back do give abundant air at his wish,
Upward slowly now my friend as is your wish to decompress,
Bubbles dancing blindly on in search of freedom's quest,
Another heave your in the boat, wet, cold and eager for
another test.

FOR SALE:

One Pirelli Grande 3/4 length rubber jacket and pants.
In new condition. (This is not the foam rubber
type). .. £5.

One Metal spear-gun, Single rubber. .. £2.
Check with the Secretary.

Porpoise Universal double unit, lightweight bottles in
A.1. condition, recently tested. New price £92.10.0,
will take £50 or best offer.

Would consider selling as single unit or will sell one
bottle, with manifold and rings. This unit has been to
200 ft.

250 ft. Admiral Depth Guage .. £2.

Porpoise Pressure Guage .. £3.

1 pr. Torpedo Champion Flippers, size 7-10. £1.10.0.

1 Underwater Camera Case, suit most 35mm.

Cam's. £2.10.0.

Contact Rod Ashton. Home .. 604213.

Work .. 234037.

or 27 Marsh Avenue, Manning Park.

CALENDAR:

- DECEMBER 10th. Boat Trip.
- 12th. Committee Meeting.
- 16th. Christmas Party.
- 17th. Training Base.
- 18th. General Meeting.

- PATRON : Mr.L.Goldsworthy, G.C., D.S.C., G.M.
- PRESIDENT : Mr.J.Walden, 18 Upnore St., Cannington.
- VICE PRESIDENT: Mr.J.Carrie, 49 Axford St., Como. Tel.603141.
- SECRETARY : Mr. H. Roberts, 226 Carr St.,Leederville " 281451.
(Home) " 81322.
- TREASURER : Mr.M.Minchin, 98 Bateman Rd.,Mt.Pleasant." 643310.
(Business) " 219161.
- COMMITTEE : Mr.L.Woodward, 17 Normandy St.,Inglewood.
Mr.A.Otley, 22 Arthur Rd.,Hamilton Hill.
Mr.M.Shaw, Lot 84 West Coast H'wy.,Triggs.Is.
- COM. T/B. : Mr.M.Minchin—as above.
- EDITOR : Mr.G.Evans, 24 Margaret St.,Nth.Cottesloe 3.3236.
(Business) 234646.

PRESIDENT'S REPORT:

The November meeting turned out to be quite interesting and
informative. A technical discussion had been planned for this meet-
ing; however members were very eager to listen to and ask questions
on Air Embolism. The subject was brought up as a result of a letter
from the Dept.of the Navy.

Air embolism is one of the most serious and most easily devel-
oped of physiological complications arising in diving and is due to
a relative excess of air pressure in the lungs.

When using compressed air breathing apparatus, a diver breathes
at the same pressure as that of the surrounding water. Should he
for any reason ascend while holding his breath, the air in his lungs
will expand due to the decreasing external water pressure. If he
does not allow the air to escape through the mouth or nose it will
force its way through the walls of the alveoli into the capillary
blood vessels, rupturing these in the process. The air--in the form
of small bubbles or emboli--will pass through the heart and block
small blood vessels throughout the body, including those in the heart,
brain and spinal cord. In more severe cases large bubbles may
gather in the heart where they prevent it beating properly, the
circulation fails and the diver dies.

Air may also be forced through the lung coverings and appear

under the skin of the chest and neck where it may be felt as bubbles.

What many of us did not realise is that there is a more common complaint caused in the same way. Lung distention or rupture occurs but in this case does not form an embolism; instead the air passes into the plural cavity which surrounds the lungs.

In the case of a small leakage, the air will probably be re-absorbed and the rupture heal quite quickly. If sufficient air escapes into the plural cavity and continues to expand as the diver ascends, it will cause a pneumothorax, or collapsing of the lungs.

The symptoms are shortness of breath, pain in the chest and irregular pulse. The treatment is to remove the air by inserting a needle into the chest. Thus medical attention should be obtained as soon as possible.

Thanks go to Geoff. Evans supported by Dr. Weaver & Dr. Dow for their interesting discussion on air embolism and lung rupture.

Another subject touched on by the Navy was hyperventilation. This could bring some discussion at the next meeting as it is a subject on which we could do a lot more study.

We are all grateful to Mr. Jack Sue, member of the W.A. Undersea Club, for entertaining us with his movies at the end of the meeting. Jack has also given me to understand that at a later date, he will personally give us a talk on the methods used in testing and filling our air cylinders.

Arrangements have been made to use a new boat for the coming Season's trips. She is all steel; fully buoyant, should she be holed on a reef. She appears to be much more roomy and should be a better proposition all round.

This will be the last News before Christmas so I will take the opportunity to wish all members and readers a very Merry Christmas and a Prosperous and Happy New Year.

RESCUE BREATHING .. MOUTH TO MOUTH:

Place non-breathing victim on back, face up. To clean out any foreign matter, turn victim's head to side, force mouth open, wipe out throat and mouth with fingers or cloth. ACT IMMEDIATELY.

1. Place victim on his back.
2. Open the victim's mouth (not too wide to be entirely covered by your own mouth) by inserting one thumb between his teeth. Pull his jaw upward and backward so that the front of his neck is stretched and his head is tilted backward in a sort of "sniffing" position.
3. Take a deep breath. Put your mouth firmly over the victim's mouth and blow forcefully---more gently for very young children.
4. When the victim's chest rises, remove your mouth and allow him to exhale naturally. Then take another deep breath and repeat the cycle----blowing quite rapidly during the first minute of resuscitation, then once every three seconds.
5. When the patient starts to breathe naturally, assist him by blowing in when he inhales. Remove your mouth when he exhales. Don't give up too soon. Oral resuscitation demands little energy and can be continuously applied for many hours.

For older children and adults, with the thumb inserted to lift lower jaw and tongue. The nose is sealed by pinching the nostrils.

MEMORISE THE SEVEN RULES.

1. Clear victim's throat of water, mucous and food.
2. Tilt head back to open the air passage.
3. Hold jaw in jutting out position.
4. Pinch nostril to prevent air leakage, unless victim is a small child.
5. Blow into mouth (and nose if victim is a small child) until you see the chest lift.
6. Listen to the victim breathe out as you breathe in.
7. Repeat at least 12 times a minute for an adult.)

Little is known of their habits, breeding season, development of eggs and subsequent life history, so if you have made any observations underwater, or seen their eggs amongst weed-beds, write an article for the next "U.E.C. News".

CHRISTMAS BAR-BE-CU : 16TH DECEMBER:

This is really going to be a terrific show, the best Club dive ever. Dress will be informal, definitely informal. Meat will be sold for 10/- a pack: this charge will also include the salad, buns, etc. A special Customs Department has been organized to apprehend people bringing bootleg beef onto the premises. Drinks will be supplied free of charge.

This party can't miss, what with you there!

NEW MEMBERS:

We would like to welcome the members mentioned below, to the Club and so saying, hope they enjoy many pleasant years of diving with us :--

<u>City:</u>	H.Peters	<u>Country:</u>	V.Moir
	C.Madrill		D.Tysoe
	R.Sonneman		J.Castlehow.
	T.Bolvary		L.Jones
	A.Guest		B.Thompson.
	Dr.Dow		
	G.Shruball		
	J.Aylmore.		

W.A.DOLPHINS' CLUB:

This is the newly formed Club sponsored by the Child Welfare Department and assisted by the U.E.C. Hugh Peters is the leading light on this project and we look with interest to their progress.

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GENERAL MEETING: 18TH DECEMBER '61.

Kevin Morgan will be giving a lecture on geological and historical shorelines around the Australian Coast including the Northern islands. We hope to get Kevin to relate some of his experiences of the Barrier Reef and also other parts.

For new or intending members, the meetings are held in the Farmers' Union Buildings, Adelaide Terrace, Perth.

ROSTER OF INSTRUCTORS:

SCHEDULE 1962 DIVING SEASON.

- January, 7th : J.Carrie, D. Ingram, C. Firmin,
C.Bowman, G. Hitchin, Miss J. Hurse.
- 14th : H. Roberts, D. Ingram, C. Bowman,
C. Firmin, G. Hitchin, Miss J. Hurse.
- 21st : Boat Trip Departs 8 A.M., Fremantle.
- 28th : A. Robinson, D.Parker, H.Dagnia, R. Sly,
L.Cohn, M.Scott, Miss E.Airey.
- February, 4th : ALL NAMES AS ABOVE FOR THE 28th.
- 11th : Boat Trip Departs 8 A.M., Fremantle.
- 18th : N. Anderson, I. Woods, D.Gilmour,
P.Ponsford, B.Lowes, Miss J. Masters.
- 25th : ALL NAMES AS ABOVE FOR THE 18TH.
- March, 4th : Hamelin Bay Long Week-end Holiday.
- 11th : Boat trip Departs 8 A.M. Fremantle.
- 18th : B.Pink, K.McMahon, J.Walden, R.McKay,
B.Bowen, R.Russell-Brown, Miss D.Woodward.
- 25th : ALL NAMES AS ABOVE FOR THE 18TH.

DIVING SCHEDULE CONTINUED:

April 1st : W.Bullock, K.Morgan, A.Otley, M.Shaw,
R.Fuller, G.Hitchin, Miss J. Burse.

8th : Boat Trip Departs 8 A.M., Fremantle.

15th : AS ABOVE FOR THE 1st.

22nd : G.Brenzi, J.Margetts, K.Ridley,
C.Firmin, Miss E.Airey, R.Manwaring.

29th AS ABOVE FOR THE 22ND.

Should you be unable to attend on the abovementioned dates, please contact Mike Minchin on 64 3310 so that we can make alternative arrangements.

Remember, you were trained in the underwater field through this training base and your efforts may help others in this terrific sport to become efficient bottom scratchers.

Even if your name does not appear on this roster it does not mean you are not more than welcome at any time at the training base to assist in the ever increasing demand on our instructors.

THE FRESH WATER SPRING: BY Kevin Morgan.

On the 4th November some members of the U.E.C. and Marine Group, by courtesy of fisherman George Brenzi, made a visit to the underwater spring in Cockburn Sound. The Spring is about one mile off shore and near the North end of Garden Island. Many fishermen have reported upwelling of the ocean surface and a turbulence of grey mud down-drift from the Spring area. Some people have reported that drinkable water can be scooped from the ocean on certain calm days. Apparently the wide variations in water salinity over this area was well known by submarine men during the last war. It is heard that midget submarines were sent through the area on training exercises and many strange things happened to the submerged crafts trim on passing into water of a different density. (sea water is heavier or more dense than fresh). This is why

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as fossils in Carboniferous rocks."

There are two species found in Australian waters, the Crested Port Jackson (Queensland and N.S.W. only). *H.Galeatus* which differs from *H.portusjackoni* in lacking the harness like markings on the body and has high ridges over the eyes.

In W.A. the Port Jackson Shark occurs from the Southern Coast (around from S.A.) round Cape Leeuwin to the Abrolhos Islands. It prefers shallow waters down to about 94 fathoms. The young are to be taken in shallow water, sand and weed areas in about $4\frac{1}{2}$ fathoms to 12 fathoms, especially January to April.

The eggs are a brownish green in colour, quite leathery and resemble a bunch of "Bull keep" as they have spiral flanges on the egg. If the egg is opened soon after laying, the ripe, yellow-green yolk and heavy jelly-like albumin can be seen within. These egg sacs, after the young have hatched, are frequently washed up on the beach and are termed "Mermaids' purses". They become quite hard on long exposure to the sun. The eggs of the Crested Port Jackson Shark differ from the common Port Jackson Shark in having long tendrils as well as the spiral flanges.

This shark is harmless, although it can give a nasty wound with the dorsal spines if carelessly held when alive. The teeth are pointed in front but are enlarged and rounded as crushers at the back of the jaws. They feed on shellfish, hermit crabs, echinoderms and will take a fish bait.

They are caught on hand lines, set-lines and in craypots and trawl-nets. To the spear-fisherman they are easy game but as they are not often eaten and do not provide much sport when taken, they are normally left alone.

They prefer open sand, silty or gravel bottoms and are often found around reefs, under ledges or near weed-banks. They grow to a length of four and a half feet but adults on this coast average about 3 feet.

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the list below will be of help to you. Most of these places are where you don't really need the use of a boat --

Point Peron caves.

Penguin Island (Find wreck).

Swim to Garden Island from Pt. Peron.

Swim along Dolphins from Garden Island to Woodman's Pt.

Training Base for Proficiency tests Nos. 1, 2, 3, 4, 12.

Naval Base groyne. Wreck and Award tests.

Cannons off Cottesloe.

Barge off North Mole.

Wreck Lygnern off South Mole.

Beaches: Triggs, Quin's Rock, Whitford's etc.,

Night diving (For the very brave).

There are many of the Proficiency Tests that can be done in the river -- 1, 2, 3, 6, 12 plus general navigation and search techniques which aids the general experience of the diver himself. Lists of the Proficiency tests will be available at the next meeting.

Any new members who do not know about our long week-end in March down at Hamelin Bay and are interested, would they ring the Secretary as he will give them all the information they require.

Editor's Note: We all knew that in the end John Carrie could not resist bringing up that Scottish Ancestry of his!

WESTERN AUSTRALIAN FISHES: NO. 4.

The Port Jackson Shark .. (Heterodontus portusjacksoni)

By R. J. McKay.

One of our most primitive sharks, this species occurs in Queensland, N.S.W., Victoria, S.A. and W.A. Other members of this family occur in South Africa, Japan, New Zealand and the Galapagos Islands.

Whitley, in his Fishes of Australia Vol. 1, states --

"Recognised as a relic of a bygone age, being the living representative of a family of sharks found widely distributed

a diver needs less lead in fresh water lakes).

On this particular day there was no surface indications in spite of the flat calm ocean condition. After some hunting, and thanks to the accurate positioning by the fishermen, the Spring was located. The area is 65ft. deep and typical of the centre of Cockburn Sound, is soft, slushy grey lime mud. Water could be seen gently issuing from heaps of hammer oysters about 18 inches above the general level and from holes about 12 inches in diameter. Water and bottom samples were collected. These are in the process of analysis. Future trips to the area are intended in the near future to gain more data and a more detailed report will follow. This information will also be forwarded to the Marine Group and the Naturalists' Club who have made an extensive collection of Cockburn Sound material and are in the process of compiling a comprehensive report on the Sound.

As a final note, underwater spring and near shore artesian bores are known in many parts of the world and have been subject to some study. Many flow intermittently and the flow has direct relationship to prevailing tide and weather conditions. Some such relationships may be found with the Cockburn Sound occurrence. Undersea Springs have also been recorded North of Perth.

KNOW YOUR MEMBERS: By The Beachmaster:

Many of the new members have never had the privilege of meeting our Patron, Mr. Leon Verdi Goldsworthy. "Goldy" as he is known to a lot of us, has been a solid backstop to the various officers of the Club during their many teething troubles.

He was one of the instigators of the Training Base; has been available at all times to advise and help in the various activities of the Club. He was a referee on the Deep Dive Record made by Gordon McLean; has helped in the judging of the S.C.U.B.A. Championships in W.A. and has compiled notes and comments on technical data which has been put together over the years of the life of the U.E.C.

Goldy was born at Broken Hill in 1909 and when the second war broke out, offered himself for Naval service. He was rejected at first but later was accepted and went to England. Here, after basic training, he served with distinction on the Rendering Mines Safe Section. His exploits in this sphere; his service in

pioneering diving apparatus and techniques for war time service, earned him the George Cross, Distinguished Service Cross and the George Medal. He is Australia's most decorated Naval Officer.

One exploit he does not like to remember was when an enemy mine dropped in the Thames River near London. It sank down through the deep mud onto the hard bottom of the river. Large caissons were sent down around this mine and water jets were used to slurry the mud sufficiently for him to locate and work on the mine.

The water jets cut out while he was working on it and immediately, the mud and sand settled down onto him. He was trapped alongside this live mine and unable to move for half an hour.

When the jets were set going again, the excess air built up in his suit and sent him rocketing to the surface. Luckily, he managed to bleed enough air out and missed smashing his head against the bottom of the boat. He went on to finish the job.

Goldy works at the Rainbow Neon Sign Coy. He is a widower with one married daughter at present in England.

DIVING COMING UP: By the Scottish Sea Lord.

On the 10th November we will be changing our boat trips from Tilley's to that of Hugh Camerons. The new boat is an ideal diving boat with plenty of room and diving ladders supplied. She is 40 ft. in length, can carry 35 comfortably outside the heads. She is capable of 10 knots and is unsinkable. This is the sort of boat we have been after for a long time now; one that is fast and comfortable and perhaps reasonably stable. So we the unfortunate ones of the last boat trip who left the better part of ourselves floating somewhere North of Rottneest, can take stomach again and give the boat trips another chance. I expect my laughing comrades from the last boat trip to join me in venturing beyond the heads again.

Following is a list of boat trips for the Season 1961-62. Members will meet on the Landing underneath the Railway Bridge. The Boat will leave promptly at 8 a.m. unless otherwise stated in the U.E.C.News :-

- DECEMBER 10th. Diving on the wreck of the "SEPIA" lying in 50 ft. of water, this is ideal for Souvenir hunters--so bring some sort of digging utensil.
- JANUARY, 21st. 100 ft. dive and spear fishing North of Rottneest.
- FEBRUARY 11th Five fathom bank to search for wreck rumoured to be in that area behind Garden Island.
- MARCH, 11th West End caves and Narrow Neck.
- APRIL, 8th. 100 ft. dive and spear fishing North of Rottneest.

Apart from these regular Club Field days it is hoped to organize trips on private craft for members who express sufficient interest in real he-man bottom scratching. The list of places it is hoped these boat trips will take us over the 1962 season, Summer and Winter, are as follows :-

Fresh water hole and pylons in Cockburn Sound.
Manta boarding behind Garden & Carnac Islands.
Five Fathom Bank.
Duffield Ridge and Green Island.
Wrecks off Rockingham .. "Orizaba" & "Carlisle Castle".
Wrecks off Fremantle .. "Sepia", "Lancier" and "Ulidia",
"Macedon" and "Denton Holme".
Try and find the wrecks "Gem" & "Janet" on the Transit reefs. "City of York" and "Mira Flores" "Lady Elizabeth" and "Raven".

If you feel like being in on these trips and you are on the 'phone, will you ring the Secretary (28 1451) and give him your number so that he can put it on his special list. Of course it must be realized that there has to be a limit to the number of divers to go on these trips and you would have to wait your turn.

Members of the Club must realise that it doesn't really have to rely on the committee to organize outings. If any of you feel like getting other diving members interested, perhaps

SNIPPITS:

Rumour has it that our Boating President is is waging all out war on the Seagulls. Why? Well the story goes like this ---

John, being like most other people, was trying to beat the heat one hot night, on the boat down at Rockingham. The final decision was for sleeping on the deck in a pair of shorts. Slumber finally came.

About 4 a.m. our hero awoke with a start to find himself cursing as loud as he could while swinging a seagull around by the legs. Poor gull; he had picked the wrong perch on which to land. His final fate is not known as he was last seen falling from the scupper into the briney.

All others on board were firmly awake by this stage--nat'ch. but we are led to believe that although shaken by his encounter with the savage bird of the sea, John calmly lay back on the deck and went to sleep.

.....

The whisper has been heard that far too much spearing is being done in the Club and not enough solid diving. How about some keen members organizing a few he-man dives on weekends between field days !!

.....

FOR SALE:

25 Cu.Ft.bottle - good order. £4.

Kevin Morgan. Home Tel. 66402.

.....

- PATRON : Mr. L. Goldsworthy, G.C., D.S.C., G.M.
- PRESIDENT : Mr. J. Walden, 18 Upnore St., Cannington.
- VICE PRESIDENT : Mr. J. Carrie, 49 Axford St., Como. Tel.603141
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Mr. A.Ottey, 22 Arthur Rd., Hamilton Hill.
Mr.M.Shaw, Lot 84 West Coast H'wy.,Triggs Is.
- O.C. T/B. : Mr. M.Minchin--as above.
- EDITOR : Mr.G.Evans, 24 Margaret St., Nth.Cottesloe.
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THOSE AUSTRALIAN CHAMPIONSHIPS OF 1961 : By.Geoff.Evans.

Currarong (123 miles South of Sydney) is a small fishing village situated on the Northern peninsular of land surrounding Jervis Bay. Good camping facilities were provided--with ice, meat, milk and all foods available; also sewerage and hot showers.

Visibility was not the best for the spearies on the first couple of days. It had been raining just before I arrived and what with running creeks pouring plenty of dark water into the blue Pacific, combined with a six feet rise and fall of tide, many men were seen chopping their hand spears in half. If they didnt see any fish I gathered they at least wanted to see the end of the spear.

Now on with the diving. The Navy were meant to be running the SCUBA competition over three days but alas! at the last minute they pulled out and left the New South Wales Organisers high and dry.

Eventually the theory was held as a written examination in a tent at night with a one and half hour time limit. The questions, in short, were on :-

Air Embolism,
Bends,
Unconsciousness due to Hyperventilation,
Rupture of the Ear drums,
Co2 build up and
Nitrogen Narcosis.

With reference to normal precautions to prevent same. What warning symptoms if any. What action to be taken to avert, treat or overcome the trouble. Also what physiological processes are involved in troubles 1, 2 and 3. This was worth 30 points all told. I am still waiting to receive the marks allotted to us for this paper in which Ben Cropp of Queensland came first.

With the Navy out, the practical was to be run over one day. We made our way out by boats to a ledge of reef on the outer shore of the home bay at about 9 a.m. and by nearly 12 p.m. the first diver hit the water. Although it was a rush, the boys did a good job getting through at all, after being let down.

The complete test is far too long to list in the news so here is a short run down :--

Remove SCUBA and free ascent; recover gear and remove face-mask; swim 20 ft. and replace; two divers on one lung; Simulated free dive to 60 ft. (about 90 ft. along bottom in 20 ft. of water); rescue of apparently drowned swimmer; mouth to mouth resuscitation; 1,000 ft. swim without aids; With blacked-out mask in 20 ft. of water, free ascent, recovery of SCUBA, circular sweep search for trapped diver, mask clearance, rescue. Recovery of numbered discs in potatoe race fashion without compa s.

The whole event was completed in the afternoon with Frank Alexander of South Australia the winner. 70 points were allotted for the practical but as before I have yet to hear the actual points scored.

Ben Cropp took the big cup and the Australian title. off. I was informed that Ben won from Hutchins (Vic.), Ron Taylor (N.S.W.) and myself by $\frac{1}{2}$ a point on the average of the two sections.

(Page 2).

Mrs. Condourcer who was one of the first children to be born the island, to the effect that the £7,000. worth of specie lost from the barque Lancier over 50 years previously had, by some mysterious means, been salvaged and was buried somewhere in the coastal sandhills not far from the settlement.

About the time of the wreck of the "Denton Holme" several of the inhabitants of the island were hot on the search for the hidden treasure. The searching was all done at night, any searchers who might find a clue did not want anyone else in on the 'know'. So there arose stories of people returning from a casual after-dinner stroll being followed by strange shapes like nothing on the island.

Some time after the wreck had been abandoned, the Superintendent of the island noticed that a number of his staff had developed a remarkable interest in fishing in the neighbourhood of the wreck. He also noticed marked hilarity in the behaviour of the fishermen on their return. His suspicions were aroused and when next the fishing boats were in action, he watched their operations through his telescope. As the wreck was something less than three-quarters of a mile from his front door, he plainly and to his astonishment, saw that they were hauling in, not "skippy" or "herring", but bottles of whisky. How they were hooking on, or lasso-ing, slippery bottles from the depths of the sea is not on record. The Superintendent promptly declared the whisky contraband and forfeit to the Crown. But the fishermen had not consumed all they had fished. A cache containing a quantity had been put in a secret place in the sandhills near the settlement.

So it fell out that one night when the searcher for the buried treasure from the 'Lancier' was prowling about among the sandhills, she saw what she immediately concluded were miscreants, who were removing her treasure. With angry cries she rushed at them, only to find not treasure of gold and silver but bottles--just bottles--and nothing more.

(Page 7).

It is the Committee's request that you support this effort wholeheartedly as at least £200. have to be raised for the Championships.

THE BARQUE "DENTON HOLME."

On 25th September, 1890, the "Denton Holme", a barque from Glasgow laden with 1,275 tons of iron water pipes for the Perth Water Supply and some 300 tons of general cargo, arrived off Rottneest.

She was seen by the look-out and the pilot boat under Pilot Butcher put off to meet her. On the way out to the boarding ground, the pilot watched with astonishment the continued approach of the lights of the great ship and before he could get along side, she sailed straight on to the Transit Reef and struck at about the same place as had formed the grave yard of the S.S. "Macedon" in 1883.

The weather was calm and next morning, with her sails still set, she appeared to the Rottneest inhabitants as if she were sailing in over the reef to take up her berth beside the small pilot boat jetty. In the morning a North-West storm developed, the ship was driven further onto the reef and by noon it was realised she was a total wreck and the crew were taken off.

The inquiry into the cause of the wreck showed that the captain had done almost all of those things which he should not have done and had not done those things he should have done. His excuse was that he was anxious to get into port as the glass was falling. A storm threatened and his cargo of water pipes had shifted some three weeks before while crossing from the Cape. His ticket was suspended.

The chief interest attaching to the story of the "Denton Holme" arose from that portion of her cargo which consisted of a substantial consignment of bottled Scotch whisky. This became mixed up with a legend founded by

When all is said and done the Judges in the water did a wonderful job. Believe me they looked blue at the end of the day.

As well as the championships I had a marvellous time diving in clear water below the sheer cliffs surrounding Jervis Bay itself, plus some humourous water ski-ing. My thanks go to Ivy and Ed. Lewis who looked after me all through the championships. One final thought—if any members find any shells they don't want or know what to do with, I will gladly pass them on to Ed. as samples from W.A. !! you should see his collection, it's magnificent.

One point has to be made about the championships at the end of this year. Anyone entering, dont by any means under estimate the competition you will be getting from the East: there are many good active divers coming over to have a crack at us.

EASTER CAMP AT DENMARK: By Harold Roberts.

Every Easter at Denmark, underwater competitions are run by the Denmark Business Men's Association and very good prizes are available.

Last year a SCUBA competition was held. It is hoped that some members of the U.E.C. will make time available for this competition. We could arrange accommodation down there through my contact with the Business Men's Association and show these people that a good quality of member is in the ranks of the underwater sport.

Anyone interested, please contact me as soon as possible to make arrangements. The spearies will be there in force; why not be up a team of U.E.C. spearies as well as the SCUBA competition.

WESTERN AUSTRALIAN FISHES NO.6.

The "Slimy" or "Brown Spotted Reef Cod." (Epinephelus tauvina).
By R.J. McKay.

This fish grows to a very large size and specimens of up to seven feet and 500 lbs. have been taken in Australian waters. In Western Australia, specimens of 350 and 400 lbs. have been caught at Shark Bay and the Abrolhos Islands.

Also known as the Giant Groper or sometimes Queensland Groper, the "Slimy Cod" does not grow quite as large as the true

Giant Cod or Queensland Groper, names usually given to *Promecrops lanceolatus*, another very large cod very similar in appearance to the "Slimy" when both reach a weight of 200 lbs.

They can be readily distinguished if scales along the lateral line are removed and the tubes on these scales examined. The slimy cod has simple tubes and the Queensland groper has branched tubes.

The Slimy cod, when under 150-200 lbs. has an olive green or light brownish ground colour with blotchy, wide, and rather indistinct brown cross bands, covered all over with scattered orange, red or brown spots. With age they become a uniform dark brown and lose the spots and bandings.

The "Slimy Cod" has been found all down the North Western coast as far South as the Abrolhos Islands; they are to be found in numbers at Shark Bay, Point Cloates, Exmouth Gulf and off shore islands North of N.W.Cape. The juveniles frequent reef and rocky bottoms in quite shallow waters, whereas the large fish are to be seen near caves, ledges and isolated reefs in deeper waters. Some of the very large specimens often favour deep channels between reefs, the seaward faces of barrier reefs and even lie up under deep water jetties and around sunken wrecks.

Some of these very large fish become quite well known as they often defy capture by conventional means, thus the local names of "Powerhouse", "Steamboat", "Iron Jaws" and many others equally descriptive. It appears that some of these large well known fish, live to a ripe old age. Usually the darker they are in colour the older they are and the heavier they become.

They are a very powerful fish but seem to tire quickly after a hard short fight. They must be kept away from caves and holes as they will make for these places once speared or hooked and are very difficult to extract as they will erect the dorsal spines and gill covers inside the hole, whilst pushing backwards with the large pectoral fins.

They are a very predatory fish normally capturing their prey by stealth or by a short burst of speed but on occasions will swim slowly towards a bait and actually suck it into their mouth by expanding the gill covers or opercles suddenly.

Slimy Cod have a very large mouth armed with broad bands of brush like closely set teeth. Gill rakers are knob like and very spiny, capable of badly lacerating hands or fingers thrust into the mouth to remove a hook. The scales are large with serrated edges; the body—hence the popular name—copiously covered with slime or mucous.

They have been reported to enter brackish rivers and remain there for considerable periods but I have not observed this in Western Australian waters.

When first approached, they show little signs of fear; in fact some of the larger ones merely open their gill covers to the fullest and stare back, while remaining almost motionless on the bottom. The very large Slimy Cod could even be as dangerous as the Queensland Groper so should be approached warily.

They are to be found all over the Indo-Pacific. In Australia they occur in Western Australia, Northern Territory and Queensland.

FUND RAISING FOR THE DENMARK CHAMPIONSHIPS:

The special committee set up to organise the Australian Championships at Denmark this Christmas have started a raffle, books for which were handed out at the last U.E.C. meeting by Jennifer Hurse, our delegate to this committee. More books are available through Harold Roberts, Committee chairman. Fifty gallons of petrol are offered as first prize, a wall barometer, second and various other minor prizes.

As an incentive to all members to sell books (each book contains 10 tickets at 1/- each) two lucky numbers will be drawn in conjunction with the main prizes which are to be drawn in April. Whoever has sold the book numbers corresponding to these numbers, will receive £5. per book.

SNIPPITS:

Anyone wishing to visit Dave Gilmour any night, can do so every Tuesday night. The reason--he has got the pleasant duty of looking after his healthy son while Mumma Thelma goes out. He would welcome anyone, especially if they have a bottle (Milk anyone !).

FOUND:

Training Base 14th January. 1 flat type depth meter. Ring J. Carrie. 603141.

December boat Trip. Number of spears. Ring M. Minchin 643310.

FOR SALE:

Twin Porpoise. Complete with demand and reducer recently tested. Going cheap. Apply John Walden, 18 Upnor St., Wilson. 682935.

One complete hookah hose, only used twice. This incorporates 100 ft. of beverage tubing, two 50 ft. lengths, all standard Porpoise fittings necessary. These include two non-returns, Y junction. Also Porpoise demand.

One S.C.U.B.A. unit. Porpoise single 34 cu.ft. just tested. Buoyancy pack with quick release. Air gauge. New Sportsman demand. Ring R. Russell-Brown on 714744. Best offer.

1 Double cylinder Siebe-Gorman unit. (Currently tested).

- 1 Siebe-Gorman Demand Valve.
- 1 Heinke (Mk 3) Venturè Demand Valve.
- 1 Full Pirelli Wet Suit (large) Perfect order.

Sundries comprising--Flippers, Masks, Combined Depth Guage and Compass; weight belts, Decanting Gear; Lead Moulds; Belts etc. Apply Frank Pennistan, 231211 work, or 75 Ardross St., Applecross.

Edition No.6.	U. E. C. NEWS.	JANUARY, 1962.
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PRESIDENT'S REPORT:

This report is a little late but now the holidays are over the Club activities are gradually getting back to normal again.

I would like to say congratulations to Geoff Evans for doing so well in the East even though a Queensland boy went just a fraction better. I will leave it to Geoff to give us a more detailed report on his trip later.

It is very gratifying to see the Club starting off 1962 in such a strong position numerically and financially. Also we have had Summer program to look forward to.

Last meeting turned out to be very interesting with Geoff. giving a verbal report and Allen Robinson's very able technical discussion on the new Sea Hornet lung and compressed CO-2 gun. Thanks Allan.

Kevin McMahon gave us a preview on the deep diving Committee's feelings about deep diving. 200 ft. and no more. It is Kevin's intention to give a detailed report next meeting. I imagine that some very interesting discussion will take place.

Another step forward has been taken towards a

recompression tank for the U.E.C. and the public generally. We have an offer of help--it is now a matter of forming a special Committee to get things moving.

There is quite a lot of work to be done in this project; we will need some money for material and there will have to be a home found for it when it's finished.

Our Secretary, Harold Roberts, in working for diving has become interested in a lot of very important matters connected with our sport in general and he is asking someone to help as minute secretary at U.E.C. meetings. Have we a volunteer to help out ?

HAMELIN BAY WEEK-END :

Below is a list of persons who have booked chalets at the campsite at Hamelin Bay for the long week-end in March, 2nd-5th.

<u>Albany Group.</u>	Wally Woodward.	John Carrie.
Max Shaw.	Diane Woodward.	Dave Gilmour.
Roy Fuller.	Mike Minchin.	John Walden
Albert Ottey.	Harold Roberts.	George Brenzi.
Wally Bullock.	Ken Kennedy.	

All these people have paid the required £1. deposit and chalets are now all booked out. There is ample space available in the Caravan Park or Campsite if you supply your own tents and gear. Charge for each tent area is 5/- per night. Hot showers are available.

For those who have booked the chalets I am getting a brochure for your information. These will be posted to you shortly. If anyone decides not to come and lets me know by our meeting on February 19th, his deposit will be refunded. If, however, you are still coming down, please pay to myself or our Treasurer, the balance of your rental of the chalet by Feb. 19th.

These charges are 3 days @ 25/- = £3.15.0, less your deposit of £1.0.0.

The only single man who has paid his deposit is Colin Firmin. A tent will be available for a limited number only; You will have to supply your own sleeping and eating gear.

THE "OLD WIFE" : (Enoplosus armatus). By R.J. McKay.

This curious little fish is very often seen by spear-fishermen and normally overlooked because of its small size. The largest specimen I have seen is about eleven inches.

This fish, found only in Australia, is the only species in the family Enoplosidae and has its closest relatives in the coral fishes. (Chaetodontidae), brilliantly coloured little fishes found in Northern waters.

First described from Botany Bay area N.S.W., in 1790 it has now been recorded from Queensland, Victoria, Sth. Australia, Tasmania and Western Australia. In Western Australia it ranges from the Abrolhos Islands down the Western coast around Cape Leeuwin into South Australia. They are very common around Albany and up the W.A. coast to Jurien Bay and are to be seen in quite shallow waters around wharf piles feeding off the minute crustaceans hiding there.

They prefer shallow waters around reefs, broken bottom and over weed beds. They are very often seen under ledges or close to holes and caves in the reef, rarely taking a bait and only then when the hook is very small. They are to be found at the North Fremantle Mole in all months of the year and they possibly do not travel far from any one area.

Often called a "Jonnie Dory", the "Old Wife" has a compressed body, very high pointed fins and a narrow pointed snout armed with small teeth. Their body is a silvery colour with 7 or 8 brown transverse bands.

Its spawning period, feeding habits and life history are relatively unknown.

SOCIAL NOTE:

Mrs. Ann Harding (we knew her as Ann Pallett, our 'Queen of the Sea') has written to the Secretary passing on her regards to all members.

ATTENTION ALL DIVERS: By Safety Officer,
(Wally Woodward).

Owing to the laxity of the way in which some members handle Shear Guns on board boat trips, it has been decided to have a Safety Officer on each trip to see that all gear is stowed as safely as possible. This is for the benefit of all on board and perhaps the prevention of an accident to some unfortunate member.

Also the breaking of Face masks; (2 last boat trip).
the damage of Demand Valves; (1 " " " ").
and other expensive equipment.

It is hoped that the following rules will be rigidly observed :-

- (1) All spears to have heads removed or suitable protection placed on head before entering boat.
- (2) All guns must be unloaded before leaving water to enter boat.
- (3) No guns to be loaded on boat before entering water.
- (4) All guns to be properly stacked to prevent damage to same, in place to be decided on respective boat.
- (5) All hand spears and lances to have protective cover on prongs and stacked with spear guns.
- (6) All lungs to be safely stacked so that easy passage around deck can be made.
- (7) All masks, belts, flippers and other equipment must be kept out of way of damage by members themselves and MUST NOT be left near path of entry into boat.

MEMBERS this is for the SAFETY & BENEFIT of all on board, so if we all look to the safety of our equipment, I am sure we can keep each boat trip up to a high standard, safer, less expensive to some of us and much more enjoyable.

The Camp will be open for us from 2 p.m. on Friday until 10 a.m. Monday. You can make your own transport arrangements accordingly.

Hamelin Bay is approximately 208 miles from Perth and is off the Busselton-Augusta Road. It is 11 miles from Augusta. (A good Swan Brewery Fawn).

It is hoped that besides some swimming and spearing plus wreck finding, we can have a look at the Caves at Augusta and anything we may find a feeling to do.

Any member going down who can take a boat, please let me know. The Club Hookah will be available.

There is a store at the Resort which supplies meat, bread, groceries, milk and ice supplies from Augusta. Dogs are not allowed on the premises except by permission of the owners, Mr. & Mrs. Wood at Karridale.

Any queries ring Harold Roberts (281451 office).

200 FT. LIMIT PROPOSED. = By Kevin McMahon.

It is the recommendation of the Deep Diving Sub-Committee that the U.E.C. of W.A.(Inc.) impose a 200 ft. limit on deep diving as general policy.

Investigation of the latest available data (supplied direct from the United States by an Astronaut) leads us to believe that ---

Physiological problems such as proven toxicity of gases under pressure, practical problems such as complexity of manifolding apparatus for helium and as I have previously explained in lectures, mechanical problems such as inability of breathing appliances used, to supply adequate air at great depths and pressures. These factors prevent the normal sporting diver from exceeding an arbitrary 200 ft. with safety.

THIS DOES NOT MEAN TO INFER THAT 200 FT. CAN BE ACHIEVED SAFELY. Far from it. Our practical experimenting has proven to us that the behaviour of divers at great depths can vary from day to day and from diver to diver; therefore danger of this nature strikes without warning.

The work now being pursued by the Deep Diving Sub-Committee

is a complete programme of experimentation, to formulate some precautionary steps a trained diver can take to alleviate the dangers of descending to depths of 200 Ft. It is our earnest desire now that we have set our limit, to promote the safety of divers observing the limit.

1961/62 CHAMPIONSHIP FUND: By Harold Roberts.

As the instigator of this fund to help our Delegate to attend the Australian Championships, I would like to report a total of £45.14.8 collected.

The original figure set was achieved and I would like to thank each member who contributed to this fund.

EDITOR'S NOTE: I also would like to take this opportunity to again pass on my sincere thanks to all those members who made it possible for me to go East. My write-up on the Championships and my impressions of diving in the East will be in the next edition (Phew! what a rushed job this one is.)

THE STORY OF THE 'SEPIA' : By the Beachmaster.

For many years the remains of the iron barque 'Sepia' had eluded all efforts put up by divers to find it. This-- of all wrecks on the W.A.Coast--was a prize worth finding, the legend being that a fortune in mercury went down with it and none of the other cargo at all was ever salvaged.

Rumour had it that 100 tons of mercury was aboard and today's value of this is approximately £1. per lb. weight. In other words, besides whatever cargo was aboard, the mercury alone was worth £250,000 to the person finding it.

Mercury was imported at the turn of the century for gold processing, nowadays, apart from this use and in thermometers, lighthouses use a bath of mercury in which to float the system of mirrors for the light.

Sometime ago, an old chart appeared in which was marked an 'X' with the words "Wreck lies here". Len Cohn brought this chart to light--its original owner and where it came from is rather vague. However, the position of

THE STORY OF THE 'SEPIA' CONTINUED:

Nowhere at any time was mercury mentioned, valued or discussed. Unfortunately the valuable cargo of mercury was simply a figment of someone's imagination.

So we have it ! There the wreck lies. An interesting jumble of metal for divers to explore and find things which will grace their souvenir shelves until mother has a clean up and out it goes to the rubbish bin. The 'Sepia' is also a good home for crayfish.

Several interesting questions crop up at this stage :--

- (1) What was in the large casks?
- (2) What happened to Mr.J.Curtis the diver and does he still own the remains?
- (3) Is there anything found that is an interesting part of the ship.

Answers are :--

- (1) The U.E.C. organised a day out on the 'Sepia' on the "Hiawatha" and raised one of these casks, floated it to Carnac Island and smashed it open. It was solid cement.
- (2) I am chasing up various people but so far have not found Curtis. Bethel Gwynn & Co. in London, the owners, unfortunately have lost all their old records and have no information or pictures of the 'Sepia'.
- (3) Miss Francis in Beaconsfield is the present owner of the Bell from the 'Sepia'. Her father was a Sea Captain who died some years ago. Before he died, he found the bell in a very dirty state, barnacles etc. clustered all over it. He cleaned it up and Miss Francis, who is a wood carver, fashioned a pair of dolphins in the form of an archway, there she hung the bell. The writer borrowed it from her and it was on display at our general meeting before last.

THE STORY OF THE 'SEPIA' CONTINUED:

The wreck as it now stood was in the hands of the official Receiver of Wrecks, Mr. C.T.Mason, Capt.Webster, the Lloyd's Surveyor next day took out a diver and crew on the Penguin to survey the wreck and make an official report on the 1200 tons of mixed cargo aboard.

The conditions were not suitable for the diver to go down, but Capt.Webster reported that the hatches were still on the holds and that salvage operations should be started.

A lot of rigging was still floating around and the main mast was leaning over the starboard side. Capt. Webster ordered all the rigging and main mast to be cut adrift and made ready for future salvage operations.

Tenders for the salvage of the cargo were called in the "West Australian" of the 3rd January, 1899 and closed on the 4th January, 1899. The successful tenderer was the W.A.Salvage, Stevedoring and Transport Coy. of Henry St., Fremantle.

This firm salvaged all the valuable cargo with the services of a diver called J. Curtis. Salvage operations ceased in March 1899 when the residue of the cargo and hull were sold to Mr.Curtis the diver. The cargo salvaged was sold at Public Auction in September,1899.

The consignees who claimed on the cargo aboard the vessel were A.E. & F. Talley & Co., Burns Philp & Co. and Milne & Co.(All these people had liquor aboard). P.Falk & Co. had fancy goods. Mongers West Australian Stores Ltd. had food and iron-mongery; G.P.Harris Scarfe & Co.--iron mongery; Thos. Haywood and Son of Bunbury, G.& R. Wills and D. & W. Murray had soft goods. This Club sincerely hopes that perhaps some relics can be passed on to these firms as souvenirs.

THE STORY OF THE 'SEPIA' CONTINUED:

the 'X' seemed as though it could mark the whereabouts of the 'Sepia' being approximately $1\frac{1}{2}$ sea miles West of Carnac Island and in 50 ft. of water.

I took some trouble to transfer this position to my own chart and from this ran off some rough bearings which could be used in a full scale search effort when the time and divers were available. According to these bearings I could--if the chart was correct--put the datum buoy in such a position that the 'SEPIA' could be within a radius of up to a half mile.

At last an opportunity came along for an attempt to find the wreck. Easter Saturday of 1960, a small auxilliary yacht owned by Mr. Reg.Evans, and a crew of divers put out from Fremantle to begin what could be a long and tiring search expedition. The divers consisted of members of the U.E.C. Frank Pennistan, Rod Ashton, Geoff Evans, John Carrie and John Walden. I completed the team and acted as navigator.

Let me at this stage make a point. We had aboard a group of good blokes who did not mind spending their valuable spare time in searching, possibly with the result of all their efforts not coming to anything for some time. Unfortunately, too many divers want something right at their fingertips to work on. They are not prepared to spend time in searching. It is up to the advance party or pathfinders, to do this work. The reward for their labours is great---if they are successful.

The day we picked for the start of our big search was perfect. Even the underwater visibility was good. The trip outwards from Fremantle was full of hope and anxiety, for an engine that kept cutting out, made our nerves touchy. We did not want the trip to end in an emergency return under sail to Fremantle.

However, by courtesy of the manufacturers of the engine, we passed Carnac Island and proceeded in a direction towards the position of the wreck. I took over as Navigator at this

THE STORY OF THE 'SEPIA' CONTINUED:

point. I kept an eye on the bearings and eventually we anchored in a position which could have been as near as possible to the spot marked 'X' on the chart.

From here on, the idea was to spend the next few hours swimming around an area until we found it. Geoff Evans and I set off and were completing a segment of search, having been in the water five minutes, when I saw a number of small fish swimming around a kelp covered object. I dived to investigate more closely and to my utter delight, there was the wreck!

There lay the 'SEPIA', untouched and unmolested since 1898. The excitement of getting the boat moored right over the spot was colossal.

For the rest of the day and Easter Monday, we spent searching that wreck and found clay pipes, broken bottles of liquor, earthenware jars of some foul smelling stuff, a jar of pickles and chutney which smelt even worse; a number of casks about the size and shape of an 18 gallon keg of beer, but no mercury. We thought we had it when we stumbled on a heavy object that could have been a mercury container. It was white lead used in the manufacture of paints.

Even if we had at this point located everything but mercury, we had at least found some casks which could be brought up and contents checked. At least a mystery remained for our efforts.

Now let us go back a few years and with the available records at our disposal, follow up what happened to the "SEPIA".

She was built in 1864 by Denton, Gray and Coy. of Hartlepool, England, for the owners, Bethell, Gwynn and Coy. of London.

She was 177 feet long, 29 feet wide and 19 feet draft. She was an iron, two masted Barque and did a

number of trips to Fremantle before she was wrecked. On one of these trips a young lad called Culley came out to Fremantle on her. He is still alive and his son Dick, owns Culley's Tea-rooms in Fremantle. He also owns a 40 ft. launch called the "SEPIA".

On her fatal trip, she left London on the 14th of September, 1898, under the command of Captain Hugh Thomas with a crew of 15. It was Captain Thomas' first trip in her to Fremantle although several of the crew had been in her to this part of the world on previous trips. Captain Thomas was a freemason and he had his regalia aboard when she went down.

In the late afternoon of December 29th, 1898, she crossed the 5 fathom bank off Garden Island near a point about two miles North of the Southern most tip of Garden Island and set a course North hoping to go through the South Passage between Rottnest and the stragglers. On this course lay the treacherous Challenger Rock between Garden and Carnac Islands. This was then marked by a buoy which was actually seen by the crew just before she hit.

Just as the crew were about to consume their evening meal about 6 p.m., the ship hit the Challenger Rock with a terrific bump and almost immediately it was obvious she had holed her bottom and was already beginning to settle into the water.

The Captain gave the order to abandon ship, then followed a lot of bustle and panic, during which several of the boats were lost. As there was a gale force Westerly wind blowing at the time, things became fairly hectic. Within a very short time the ship sank in 50 ft. of water. Four of the crew were left clinging to the main mast which remained well out of the water.

The Captain, with eleven of the crew, tried in vain to rescue them with the one boat left but without success. Then the boat immediately set off for Fremantle where they eventually contacted the Harbour Authorities and a boat was sent out to the scene of the wreck. On arrival, they found the four survivors all clinging to the mast. In a short time all were safely back in Fremantle.

SNIPPITS:

Rumour has it that our Boating President is waging all out war on the Seagulls. Why? Well the story goes like this ---

John, being like most other people, was trying to beat the heat one hot night, on the boat down at Rockingham. The final decision was for sleeping on the deck in a pair of shorts. Slumber finally came.

About 4 a.m. our hero awoke with a start to find himself cursing as loud as he could while swinging a seagull around by the legs. Poor gull; he had picked the wrong perch on which to land. His final fate is not known as he was last seen falling from the scupper into the briney.

All others on board were firmly awake by this stage--nat'ch. but we are led to believe that although shaken by his encounter with the savage bird of the sea, John calmly lay back on the deck and went to sleep.

.....

The whisper has been heard that far too much spearing is being done in the Club and not enough solid diving. How about some keen members organizing a few he-man dives on weekends between field days !!

.....

FOR SALE:

25 Cu.Ft.bottle - good order. £4.

Kevin Morgan. Home Tel. 66402.

.....

- PATRON : Mr. L. Goldsworthy, G.C., D.S.C., G.M.
- PRESIDENT : Mr. J. Walden, 18 Upnore St., Cannington.
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THOSE AUSTRALIAN CHAMPIONSHIPS OF 1961 : By.Geoff.Evans.

Currarong (123 miles South of Sydney) is a small fishing village situated on the Northern peninsular of land surrounding Jervis Bay. Good camping facilities were provided--with ice, meat, milk and all foods available; also sewerage and hot showers.

Visibility was not the best for the spearies on the first couple of days. It had been raining just before I arrived and what with running creeks pouring plenty of dark water into the blue Pacific, combined with a six feet rise and fall of tide, many men were seen chopping their hand spears in half. If they didnt see any fish I gathered they at least wanted to see the end of the spear.

Now on with the diving. The Navy were meant to be running the SCUBA competition over three days but alas! at the last minute they pulled out and left the New South Wales Organisers high and dry.

Eventually the theory was held as a written examination in a tent at night with a one and half hour time limit. The questions, in short, were on :-

Air Embolism,
Bends,
Unconsciousness due to Hyperventilation,
Rupture of the Ear drums,
Co2 build up and
Nitrogen Narcosis.

With reference to normal precautions to prevent same. What warning symptoms if any. What action to be taken to avert, treat or overcome the trouble. Also what physiological processes are involved in troubles 1, 2 and 3. This was worth 30 points all told. I am still waiting to receive the marks allotted to us for this paper in which Ben Cropp of Queensland came first.

With the Navy out, the practical was to be run over one day. We made our way out by boats to a ledge of reef on the outer shore of the home bay at about 9 a.m. and by nearly 12 p.m. the first diver hit the water. Although it was a rush, the boys did a good job getting through at all, after being let down.

The complete test is far too long to list in the news so here is a short run down :--

Remove SCUBA and free ascent; recover gear and remove face-mask; swim 20 ft. and replace; two divers on one lung; Simulated free dive to 60 ft. (about 90 ft. along bottom in 20 ft. of water); rescue of apparently drowned swimmer; mouth to mouth resuscitation; 1,000 ft. swim without aids; With blacked-out mask in 20 ft. of water, free ascent, recovery of SCUBA, circular sweep search for trapped diver, mask clearance, rescue. Recovery of numbered discs in potatoe race fashion without compa s.

The whole event was completed in the afternoon with Frank Alexander of South Australia the winner. 70 points were allotted for the practical but as before I have yet to hear the actual points scored.

Ben Cropp took the big cup and the Australian title. off. I was informed that Ben won from Hutchins (Vic.), Ron Taylor (N.S.W.) and myself by $\frac{1}{2}$ a point on the average of the two sections.

(Page 2).

Mrs. Condourcer who was one of the first children to be born the island, to the effect that the £7,000. worth of specie lost from the barque Lancier over 50 years previously had, by some mysterious means, been salvaged and was buried somewhere in the coastal sandhills not far from the settlement.

About the time of the wreck of the "Denton Holme" several of the inhabitants of the island were hot on the search for the hidden treasure. The searching was all done at night, any searchers who might find a clue did not want anyone else in on the 'know'. So there arose stories of people returning from a casual after-dinner stroll being followed by strange shapes like nothing on the island.

Some time after the wreck had been abandoned, the Superintendent of the island noticed that a number of his staff had developed a remarkable interest in fishing in the neighbourhood of the wreck. He also noticed marked hilarity in the behaviour of the fishermen on their return. His suspicions were aroused and when next the fishing boats were in action, he watched their operations through his telescope. As the wreck was something less than three-quarters of a mile from his front door, he plainly and to his astonishment, saw that they were hauling in, not "skippy" or "herring", but bottles of whisky. How they were hooking on, or lasso-ing, slippery bottles from the depths of the sea is not on record. The Superintendent promptly declared the whisky contraband and forfeit to the Crown. But the fishermen had not consumed all they had fished. A cache containing a quantity had been put in a secret place in the sandhills near the settlement.

So it fell out that one night when the searcher for the buried treasure from the 'Lancier' was prowling about among the sandhills, she saw what she immediately concluded were miscreants, who were removing her treasure. With angry cries she rushed at them, only to find not treasure of gold and silver but bottles--just bottles--and nothing more.

(Page 7).

It is the Committee's request that you support this effort wholeheartedly as at least £200. have to be raised for the Championships.

THE BARQUE "DENTON HOLME."

On 25th September, 1890, the "Denton Holme", a barque from Glasgow laden with 1,275 tons of iron water pipes for the Perth Water Supply and some 300 tons of general cargo, arrived off Rottneest.

She was seen by the look-out and the pilot boat under Pilot Butcher put off to meet her. On the way out to the boarding ground, the pilot watched with astonishment the continued approach of the lights of the great ship and before he could get along side, she sailed straight on to the Transit Reef and struck at about the same place as had formed the grave yard of the S.S. "Macedon" in 1883.

The weather was calm and next morning, with her sails still set, she appeared to the Rottneest inhabitants as if she were sailing in over the reef to take up her berth beside the small pilot boat jetty. In the morning a North-West storm developed, the ship was driven further onto the reef and by noon it was realised she was a total wreck and the crew were taken off.

The inquiry into the cause of the wreck showed that the captain had done almost all of those things which he should not have done and had not done those things he should have done. His excuse was that he was anxious to get into port as the glass was falling. A storm threatened and his cargo of water pipes had shifted some three weeks before while crossing from the Cape. His ticket was suspended.

The chief interest attaching to the story of the "Denton Holme" arose from that portion of her cargo which consisted of a substantial consignment of bottled Scotch whisky. This became mixed up with a legend founded by

When all is said and done the Judges in the water did a wonderful job. Believe me they looked blue at the end of the day.

As well as the championships I had a marvellous time diving in clear water below the sheer cliffs surrounding Jervis Bay itself, plus some humourous water ski-ing. My thanks go to Ivy and Ed. Lewis who looked after me all through the championships. One final thought—if any members find any shells they don't want or know what to do with, I will gladly pass them on to Ed. as samples from W.A. !! you should see his collection, it's magnificent.

One point has to be made about the championships at the end of this year. Anyone entering, dont by any means under estimate the competition you will be getting from the East: there are many good active divers coming over to have a crack at us.

EASTER CAMP AT DENMARK: By Harold Roberts.

Every Easter at Denmark, underwater competitions are run by the Denmark Business Men's Association and very good prizes are available.

Last year a SCUBA competition was held. It is hoped that some members of the U.E.C. will make time available for this competition. We could arrange accommodation down there through my contact with the Business Men's Association and show these people that a good quality of member is in the ranks of the underwater sport.

Anyone interested, please contact me as soon as possible to make arrangements. The spearies will be there in force; why not be up a team of U.E.C. spearies as well as the SCUBA competition.

WESTERN AUSTRALIAN FISHES NO.6.

The "Slimy" or "Brown Spotted Reef Cod." (Epinephelus tauvina).
By R.J. McKay.

This fish grows to a very large size and specimens of up to seven feet and 500 lbs. have been taken in Australian waters. In Western Australia, specimens of 350 and 400 lbs. have been caught at Shark Bay and the Abrolhos Islands.

Also known as the Giant Groper or sometimes Queensland Groper, the "Slimy Cod" does not grow quite as large as the true

Giant Cod or Queensland Groper, names usually given to *Promecrops lanceolatus*, another very large cod very similar in appearance to the "Slimy" when both reach a weight of 200 lbs.

They can be readily distinguished if scales along the lateral line are removed and the tubes on these scales examined. The slimy cod has simple tubes and the Queensland groper has branched tubes.

The Slimy cod, when under 150-200 lbs. has an olive green or light brownish ground colour with blotchy, wide, and rather indistinct brown cross bands, covered all over with scattered orange, red or brown spots. With age they become a uniform dark brown and lose the spots and bandings.

The "Slimy Cod" has been found all down the North Western coast as far South as the Abrolhos Islands; they are to be found in numbers at Shark Bay, Point Cloates, Exmouth Gulf and off shore islands North of N.W.Cape. The juveniles frequent reef and rocky bottoms in quite shallow waters, whereas the large fish are to be seen near caves, ledges and isolated reefs in deeper waters. Some of the very large specimens often favour deep channels between reefs, the seaward faces of barrier reefs and even lie up under deep water jetties and around sunken wrecks.

Some of these very large fish become quite well known as they often defy capture by conventional means, thus the local names of "Powerhouse", "Steamboat", "Iron Jaws" and many others equally descriptive. It appears that some of these large well known fish, live to a ripe old age. Usually the darker they are in colour the older they are and the heavier they become.

They are a very powerful fish but seem to tire quickly after a hard short fight. They must be kept away from caves and holes as they will make for these places once speared or hooked and are very difficult to extract as they will erect the dorsal spines and gill covers inside the hole, whilst pushing backwards with the large pectoral fins.

They are a very predatory fish normally capturing their prey by stealth or by a short burst of speed but on occasions will swim slowly towards a bait and actually suck it into their mouth by expanding the gill covers or opercles suddenly.

Slimy Cod have a very large mouth armed with broad bands of brush like closely set teeth. Gill rakers are knob like and very spiny, capable of badly lacerating hands or fingers thrust into the mouth to remove a hook. The scales are large with serrated edges; the body—hence the popular name—copiously covered with slime or mucous.

They have been reported to enter brackish rivers and remain there for considerable periods but I have not observed this in Western Australian waters.

When first approached, they show little signs of fear; in fact some of the larger ones merely open their gill covers to the fullest and stare back, while remaining almost motionless on the bottom. The very large Slimy Cod could even be as dangerous as the Queensland Groper so should be approached warily.

They are to be found all over the Indo-Pacific. In Australia they occur in Western Australia, Northern Territory and Queensland.

FUND RAISING FOR THE DENMARK CHAMPIONSHIPS:

The special committee set up to organise the Australian Championships at Denmark this Christmas have started a raffle, books for which were handed out at the last U.E.C. meeting by Jennifer Hurse, our delegate to this committee. More books are available through Harold Roberts, Committee chairman. Fifty gallons of petrol are offered as first prize, a wall barometer, second and various other minor prizes.

As an incentive to all members to sell books (each book contains 10 tickets at 1/- each) two lucky numbers will be drawn in conjunction with the main prizes which are to be drawn in April. Whoever has sold the book numbers corresponding to these numbers, will receive £5. per book.

This limits a diver's ability to detect the source of the sound and may give the impression that it is all around him.

The transmission of sounds through the sea can be observed by listening close to the hull of a quiet ship at anchor. Sounds generated in another ship or a bell immersed in the water up to four miles away can be readily detected. The high intensity sound generated by a ship's propeller or an outboard motor boat can be heard for great distances under the water by free divers but this phenomena is associated with the disruption of the water at the propeller blades—a phenomenon called cavitation.

COME AND BE IN IT!

This magazine is for your enjoyment and use but unless material is sent in regularly, it will fade and become uninteresting. Do not leave it to the few. If you are diving at all, you should be able to write of your experiences, or at least, tell us where and what you have dived on.

Now, how about a large number of articles for the next issue, even if it is only for laughs.

FOR SALE :

One Porpoise Sportsman Model, Single Cyl. 32 Cu.Ft.
Used six times only. In good Order.

Enquiries :--

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PRESIDENT'S REPORT:

This week end seemed to be a very active one for the U.E.C. since there were several activities to choose from.

Saturday night. A very pleasant evening at Rockingham with a night dive under ideal conditions. There was a good turn up mainly of new members and those taking part found it is the same old story, once in the water, there isn't anything alarming about it at all.

One member brought an underwater torch which worked very well despite the fact that at one stage it leaked a little. Surprisingly enough there is quite a bit of natural light once your eyes get used to the conditions.

After a pleasant couple of hours at the end of the jetty--fishermen on one side and U.E.C. on the other--a number of the members adjourned to the Rockingham Arms and spent a further hour discussion diving; of course armed with a glass of the amber fluid !

An underwater light:

This would be quite easy to make I should imagine out of a sealed beam light and a battery. It would be very handy for

the Club; what about some keen bod. having a go ?
It would be a good project.

Deep Diving.

Sunday morning saw another very successful dive, this time to 220 feet. Congratulations to all and particularly to Elaine Airey, the first West Australian of the fair sex to make it. Kevin McMahon made another small sacrifice to science, this time a little blood. The medical report on this sample of blood may be quite interesting but perhaps the committee had better have a look at the report first (Hic)

This outing was a little restricted in numbers; however it is on again on the 18th of March so those who missed out hurry and get your names in for the next one. The Club is very grateful to those who donated the boats for this outing.

Training base of course is in full swing with a good turn up each Sunday. For a change I took myself down to see how things were going and of course very soon landed a job of taking tests.

I get a real kick out of helping train new members so I was very sorry today when two lads couldnt make the 10 ft. duck dive to pick up their gear. The only reason I could see for this was psychological. It happens to all divers to some extent at one time or another. The only way to overcome it is more practice and a bit of will power, unless the diver is having ear trouble or something similar--this did not apply on Sunday. I have always felt this to be one of the hardest tests and once this one is beaten the rest of the test is a 'piece of cake'.

Future diving:

New members and old, what do you want to do?
Night dives are popular, spearing up and down the Coast is also a good way to fill in a Sunday.

Cannons at the Cable Station are close handy and there is also some good reef to have a look at; a dive through the surf with "Lungs" on--You name it, we'll organise it.

Another point to remember is for divers to steer clear of the weight on the shot line, as even on a light swell the weight goes up and down like a pile driver---ask Wally Woodward ! If any specimens or rock samples are collected on these dives, Barry Wilson or Kevin Morgan will always be pleased to accept them; they can be contacted through our Secretary.

In conclusion I would like to thank, on behalf of the members who took part in this dive, the crew of the "Sepia" -- Dick Cully, Jack McKenzie, Harold Cooling and Charlie Jones -- for their assistance and hospitality on this day.

Note -- For the uneducated types, "The Penguin" usually has a pipe jutting from his jaw and survives under the name of Gwyn Hitchins.)

DID YOU KNOW?

Sound is passed through the air and water in the form of longitudinal vibrations, e.g., imagine a small explosion having a wave of compression which will travel away from the source until it reaches the ear !

The velocity of sound in air at 60 degrees F. = 1,120 feet per second. The velocity of sound wave in water is nearly five times greater than this. Sound travels in sea water 5,070 feet per second; in fresh water 4,640.

Since sound waves travel four to five times faster in water than in air, the wave length of a given note will be correspondingly longer when transmitted through the water. This fact and the difference of viscosity are mainly responsible for the high penetration of sound waves in water. The transmission of a wave of a given frequency will be approximately 1,400 times greater in water than in air. The actual intensity of a sound wave will fall correspondingly ^{with} the number of wave lengths from the source of the sound. The practical consequence of this is that for higher frequencies (i.e. the higher notes of the musical scale) the sound will have a progressively shorter and shorter range in water. The higher velocity of a sound wave in water than in air reduces the time interval between it reaching one ear and the other.

the dive. Pair by pair we descended into the clear blue depths and to seek and enquire into our adopted world. I had the pleasure of escorting Elaine Airey for her first 200 footer and she proved to be a very capable and confident deep diver. The sea bed came into view at 130 feet and at 200 feet the end of the shot line dangled about 20 feet above the sand rippled bottom. We had hoped to dive onto a rocky bottom as there would have been a greater abundance of marine life but the disappointment was small.

With so little time to be spent at this depth, the divers fluttered around the bottom in this indescribably beautiful blue seascape and busied themselves with whatever tasks they had in mind. Our worthy Dr. Naom Haimson took a blood sample from Kevin McMahon whilst hanging from the end of the shot line and encountered a few unforeseen difficulties with blood letting at this depth but I have spoken with him and the wrinkles seem to have been straightened out. Elaine assisted me greatly in the measuring of the ripple and generally collecting specimens. Time was now up; the dive was over and we reluctantly returned to the surface.

The dive was very successful and as no severe effects were felt by the divers, I won't dwell on this aspect.

Some fish were seen on the bottom, including a small ray, and among specimens collected were some shells, bottom samples and brilliant coloured sponges. These sponges and specimens collected on previous dives have created a problem. As you know, the red in sunlight is dispersed at a little over 30 feet in sea water and yet some forms of marine life have appeared red and even purple at 200 feet. This matter will have to be looked into and I'm sure there is an explanation for this phenomena.

As we have now acquired about 600 feet of anchor rope, future deep dives will probably be done from a moored boat. This brings in the problem of checking for drift as this can be very dangerous in situations for divers down below. If a small marker buoy were to be placed next to the moored boat, it would give a good indication as to the state of affairs.

GENERAL MEETING:

Farmers' Union Building, 2nd Floor, 19.3.1962. 8 P.M.

This must be attended by all members as Rod Ashton is going to give us a run through of the Club film.

Any suggestions as to what type of discussions the members would prefer at these meetings to create more interest would be appreciated by the Committee.

RAFFLE BOOKS:

These books have been going well but it is considered in other levels that still many more could be sold, foisted or plain moved in front of the unsuspecting public (or friends) before the last week of April. The Secretary has requested that the butts of completed books, together with the loot, be returned to him as soon as possible as the drawing date (12th April) is looming up at a very rapid rate.

URGENT: -- Re -- Minute Secretary !

We have been very surprised at the fantastic rush of applications for this outstanding and interesting job but to date all candidates have been classed as unsatisfactory as they have been NON-EXISTENT !

How about it someone? Harold is simply snowed under with work and it is past time someone came forward and lifted this one all burden from his diving type shoulders. All joking aside, this is a MUST for someone --

NOW THINK !

CAMP AT DENMARK .. Easter, 1962.

Any members interested in this camp, contact the Secretary for details. A "Lung" event will be held if enough guys decide to go down and enjoy themselves.

HAMELIN BAY: By the Son of a Scottish Sea Lord!

Hamelin Bay, eleven miles from Augusta, 193 miles from Perth. 3rd, 4th and 5th March under the occupation of the U.E.C. of W.A.

They started arriving at noon on the Friday, right through the night until 4.00 a.m. the next morning.

Those who arrived during the night were shepherded to their respective chalets by a little bald headed pixie in a $\frac{3}{4}$ length navy blue jacket, a storm lantern in one hand and a half empty glass of beer in the other.

I cannot understand why the owner of the chalets, who had received a letter from our Club Secretary pointing out what a particular timid type of Club we are, didn't come down and stop the party in the Treasurer's chalet early Saturday morning. Of course, the Vice-President tried to stop the party after having set a fine example but he had stiff opposition from the Albany members, led by Joe Castlehowe and Vic. Moir.

On the Saturday there was a contest for the biggest fish speared, the prize being a "Giant sized bottle of Scotch". This was won by Alan Robinson and I must say the prize was a very fitting one for the "Fish" speared.

That night two sheep were barbecued, a little beer was drunk and entertainment was supplied by George Brenzi's friends Brian and Bobby who sang and played the Guitar. I am quite sure that everyone present really enjoyed these two fine artists.

On the Sunday, Bob Mainwaring and Derek Tysoe kept the trend of spearfishing going by spearing two more "Fish". One was called a "Wobby" fish and the other a "Grey Nurse" fish. There was a lot of territory covered by the members that day, such as Cosy Corner and Deepdene and the women and children that afternoon visited the Augusta Jewel Cave.

The last two days say some good catches of Jumbo Crays brought in and many of us are grateful to Reg. Sanderson for taking our "Lungs" and gear over the hills in his Land Rover to get at them. Reg is in the fortunate position of having his holidays at this time of the year and has stayed on in the South West.

Although the fish evaded us we must remember that Hamelin Bay has had quite a hammering by spearfishermen over the last five or six years; however the week-end did put five new wrecks on the official chart and after all,

(Page 4)

who in this Club really worries about spearing fish?

All in all the weather was with us; the accommodation and settings were ideal and every one had a mighty time.

Let us hope that Geoff Evans' idea of outings and trips away is fostered further and that there are many, many more as delightful as Hamelin Bay.

EDITOR'S NOTE:

Unfortunately the monthly write up on fishes of Western Australia by Roland McKay will not appear in this edition as Roland has just taken off to the Shark Bay area again for six months. Roland hopes to start writing for us again next month. All correspondence will, of course, be carried down by migrating fish in this case (naturally, to be shot by myself.)

BOAT TRIP:

A perfect day has ^{been} especially ordered from the Weather Bureau for this trip which is laid down for as a hundred foot dive. Any members who wish to complete their "A" Class Certificate this season, take special note as this may be your last chance for a hundred footer. The date !! .. 8th April ..

TWO HUNDRED FOOT DIVE: by The Penguin.

At a chilly 6.30 a.m. on Sunday, 25th February, Elaine Airey, Harold Roberts, Kevin McMahon, Naom Haimson, Wally Woodward, Albert Ottey, Bob Mainwaring, Len Cohn and Gwyn Hitchins, departed from Fremantle on Dick Culley's Launch "Sepia" bound for the blue water country off Rottnest. All were in high spirits despite this rude hour of the morn. but the motion of the launch, due to the fresh Sou-Wester that accompanied us--soon dampened the spirits of some of the company---so we wended our merry way ! Unfortunately the trip was marred when a bag containing a lot of Albert Ottey's gear went overboard and we were unable to recover it.

About 4 miles West of West End, we made a few trial soundings, found the required depth, anchored and prepared for

Heartiest congrats to Bob & Jill from all members.

FOR SALE.

1. Hookah. 6 cu.ft. Clisby compressor, JAP motor. Takes two divers to 70ft. four divers to 40ft. 3yrs old, perfect condition... £90. o.n.o.

1. Heinke valve, venturi jet, factory-checked in London last year. New tubes and parts. £17.

1. CAU Porpoise reducing valve. £5.

1. Normalair full-face mask and valve with attachment to make mouthpiece demand, snorkel fitting, spare diaphragm needles, etc. Has been used twice. Ideal for prolonged hookah work, suitable for micro-phone-telephone installation as used by Royal Navy. £25.

1. Speargun, Bernie Harbour-built, three rubbers, reel, spear. £6.

SUNDRY rubber suits, flippers and odd bits of gear at ridiculous prices....handspears etc., and gadgets collected over several years of diving.

1. Orizaba porthole (see Harold Roberts).

HUGH EDWARDS is selling this gear, because having moved into a flat where an average size mouse would feel crowded he has to reduce his tool shed full of gear to only the most modern and vital pieces of equipment. RING Office Hours The Daily News 21-0161. Other times either 3-5604 or 3-3542.

ADVERTISING. In future, on all adds put in this column there will be a charge of 5/-, payable to the Editor at least two weeks before the General Meeting. Receipts for such payments will be considered received when your ad appears in "THE NEWS".

SUGGESTED DIVING PROGRAMME.

April 8th. Boat trip. 100ft. dive	May 20th. Boat Trip
15th. S.C.U.B.A. Champs.	21st. GEN. MEETING
16th. GENERAL MEETING.	27th. Mud Dive
22nd. Easter - DENMARK	June 3rd. Night Dive.
29th. Swim. Point Peron to Garden Island - 1½ miles.	
May 6th. Proficiency tests at base.	
13th. Search techniques	

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T/B.	: Mr. M. Minchin - as above.
EDITOR	: Mr. G. Evans, 24 Margaret St., Nth Cottesloe. Tel. Home 3.3236. Business 23.4646.

PRESIDENT'S REPORT:

The price of progress is always problems and sometimes accidents.

I feel sure every member of the Club is extremely sorry for our friend and colleague, Max Shaw, in his unfortunate experience last Sunday on the 220 ft. dive. Max in having the bends proved that he is more susceptible to the disease than other divers. (The text books tell us that approximately 5% of divers do not conform to the tables laid out.) In future deep dives we must play even safer than we have done before, and by deep dives I mean 100ft. or more. The Deep Diving Committee will have to see to it that the risks are eliminated. This is, if we are to continue to dive deep.

On the credit side, if I may put it that way, Max has provided the Medical Profession of W.A. with a good opportunity to learn something from a practical case of the bends and also the use of the Recompression Tank. Doctors did a marvellous job on attending Max during his recompression,

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particularly Dr. Bloomfield, who spent many hours organising the programme before operations commenced. Much sleep was lost by all taking part.

I personally gained quite a lot of knowledge and am grateful to the Doctors who allowed me to visit Max several times a day for a period of several hours, during which I gained a rough working knowledge of the Re-compression tank. The Doctors and I also had the chance to discuss Medical and technical problems with those present.

Another side result was a very strong move towards the establishment of a permanent recompression tank in Perth. This move took the form of a deputation to the Government.

This deputation, which was arranged by the Committee, to seek aid from the Minister of Health, Mr. Ross Hutchinson, was favourably received, as he promised to put a case to the Treasurer.

Mr. Hutchinson made it quite clear that he realised there was a need for a large tank, which would take several men at the same time. He also realised that a portable tank would be a great asset and suggested that we continue with our own plans along these lines.

In a very friendly manner Mr. Hutchinson on behalf of the Health Department gave the deputation a lecture and it is only right that I should pass it on in brief. "We must exercise great care while diving, even when a recompression tank is available. We should not begin thinking that we needn't worry too much about the bends as we will be able to cure it without any trouble."

May I point out that very serious damage may be done before the diver can be placed in a chamber for treatment.

Getting away from the bends. The last General Meeting was perhaps one of the best for some time, good discussions took place on several points, including the notice of motion by Dr. N. Haimson.

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10 feet of water but what with all our souvenirs, fish and gear we decided not to bring it on board. If at anytime you want a killick just ask anyone on that March trip for directions.

By the way if you're around the Rottnest area spearing fish and happen to hit a Blue or Bitey with a precision pair of dentures, hang on to them as Frank Johnson was unlucky enough to drop his fangs over the side whilst preparing to dive. They just disappeared into the depths below. Pity we didn't have a skin diver on board who could have gone in after them.

After we had given the beautiful weed covered mass of steel and girders the once over, the boys loaded aboard several fish, the prize going to Bob Manwaring for a nice Dhuie, shot without a tip on his spear, what a jag! We then proceeded to Roe reef for a very short dive.

The run back from the island was far from pleasant and a few anxious faces and stomachs were very glad to be safe and sound inside the Harbour. Everybody had an enjoyable time on shore and most of us will be interested to hear from Bill Dow as to whether any of those pictures he took while perched precariously at the back of the boat came out with all that spray around.

GENERAL MEETING 16th APRIL 1962.

This meeting will prove to be most interesting as Mr. Len McWhinney has been invited to give a technical lecture in the form of stripping down the demand and reducer of a porpoise lung. Also of course, there arises the questions of a recompression tank, Queen of the Sea competition, the notice of motion by Dr. Haimson, plus any interesting queries or thoughts that the Members themselves would like to bring up. So we will see you at the Farmer's Union Building, Adelaide Terrace on the 16th. at about 8.00 p.m.

ENGAGEMENT.

Well guys, here's another good diver lost. It has come to our notice that Robert Russell-Brown is about to take a plunge - by that we don't mean into water. Enough said.
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MARCO TROPHY.

This is awarded for the most outstanding under-water photograph of the year. All entries will have to have complete photographic details attached to them which include date taken, location, depth, exposure, distance and focus. Entries have to be in the hands of the Secretary at least one week before presentation night which will be on the 18th June.

BOAT TRIP. 11th March. by Mike Minchin.

Twenty of our Members boarded the launch "Karlee" early on the Sunday morning for a trip to the Duffield Ridge which lies about 2 of a mile South South East from the West end of Rottne.

The Ridge itself is about half a mile long and approximately 200 yards wide, lying in an East West direction. The Western end of it takes the form of steep pinnacles rising from 120ft to about 60ft., while the Eastern extremity flattens out to a high round dome with what seems like crater holes in it. Anyway, back to the trip.

To our disgust, as soon as we left the Heads, an early southerly sprung up and the spray started to fly. So after hurried discussion about the weather, we had to decide in favour of a dive on the North side of Rotto. Many rude words were spoken about the weather and somebody said that they could hear the fish around Duffield offering praise to the wind.

The "Mira Flores" was now our target. She ran onto the reef near the entrance of Narrow Neck in 1896 and is now spread over quite a large area. We were fortunate in having a scout boat preceding us with Hugh Edwards, Harold Roberts, Geoff and Reg Evans on board. Hugh having dived on the spot before organised a search so that as the "Karlee" arrived all we had to do was drop the pick right into the stern section and start diving.

There is still a big anchor in fine shape sitting under

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vice of motion by Dr. N. Haimson.

I was very happy to welcome some old faces back to the meeting. Rod Ashton (Past President), Frank Peniston (past O.C. Training Base), and Harvey Dagnue. Rod Ashton showed us an outstanding film he has built up on diving.

As the summer draws to a close one stage of our years programme comes to an end. Training Base will close towards the end of April, and the boat trip on the 8th will be the last chance for 100 footers. Those who wish to complete A Class and other tests must be ready for the day.

Presentation Night at the May meeting will be the same as last year, with the addition of music and dancing. This is one of our highlights and something to look forward to. It looks like there will be another record this year in Certificates issued.

Members, before I sign off I would like to say that Max Shaw has my greatest admiration for the way he stuck out 38½ hours in that steel chamber. For those who haven't seen it, it is approximately 5ft 6" long and 22" in diameter. Max lay there on his back the whole time with his legs doubled up. There was one stage when he looked most unhappy but he still had a smile for everyone and an O.K. sign.

I am very glad to hear of his good luck in finding a very valuable Cowrie.

QUEEN OF THE SEA COMPETITION

U.S.F.A. of W.A. has this year offered to let the C.U.A. run this competition, providing that the presentation is held on the night of the U.S.F.A. Ball. All proceeds will go towards the 1962 1963 Convention at Denmark. The interesting question now comes up - WHO will be the U.E.C. nominees? Two interesting names in Elaine Airey and Carole Phillips were thrown open to speculation at the last general meeting. Again the management has to apologise that we (not print) snapshots in this Magazine, although really, looks don't count. The Queen we nominate purely acts as a figurehead

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to give, you, the Members, the incentive to raise MONEY. Carole and Elaine are both keenly competing for this honour in the Club, so lets see your smiling faces at the next General Meeting, so that you can record your much-sought-after vote.

TWO MILE SEARCH FOR WRECK by Albert Ottey.

On Sunday the 1st April at Woodmans Point, eight hardy divers took part in a two mile search for the "James Mathias", which went down somewhere on the Parmelia Bank in the 1840's in close proximity to where the remains of the submarine booms now stand.

The weather was overcast with a strong southerly breeze, which, together with a strong current, made navigation difficult.

It was about 10 a.m. when the divers entered the water armed with spear guns. These proved to be a handicap to most, as Harold Roberts, who was without this encumbrance was the only one to complete the two mile journey.

Approximately half way through the search we were joined by Frank Masters boat. Frank brought along another diver and assisted in the later stages of the show.

Towards the end of the morning Harold enlivened the proceedings by discovering two items of interest. These turned out to be pieces of earthenware pipe each of which contained an octopus. A humorous point then arose as to whether they were to be used as bait or made into a gourmet's delight.

A couple of crabs and some rather nice shells were collected on the way in, but the fish were scarce.

Despite the adverse weather conditions the outing proved to be a successful start to the Club's new series of weekend outings and we hope the forerunner of many more weekly get togethers.

P.S. In case you didn't guess, we did not find the elusive remains.

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PART 2.

Speed and Stamina Test.

Each contestant is to run 100 yards, enter the water without any equipment, swim 100 yards to a marker buoy in 10 ft. of water, duckdive to retrieve his flippers, mask and snorkel on the bottom, swim to another buoy in 30 feet of water with his basic equipment on, free dive to the bottom six times, bringing up a sample of the bottom each time as evidence. He then swims the shore, takes off his equipment and runs to the starting point with his gear in his hands. If the contestant does not succeed in completing one section, he may stay on until he completes it. The maximum time limit for the course is 15 minutes. A point is allotted for every minute or part thereof under this limit. A point is deducted for every minute or part thereof over this limit.

PART 3. SEARCH.

Two jam tins are thrown into 35 ft of water approximately 50ft from the jetty and within 20ft of each other. Hookah and gear for a circular search is available on the jetty for the contestant to set up a circular search. After setting up his gear, the contestant is blindfolded and is given 15 minutes to find the tins. He can get a tender to help him. After the search is completed, he must bring all gear back to where he got it and in good order. Five points for each team is allotted. If he has exceeded the time limit and found no tins, he is disqualified. Divers must wear gloves and protective clothing to guard against scratches and injury.

S.C.U.B.A. CHAMPIONSHIPS

THEORETICAL.

This will be held after the practical tests and will consist of contestants answering questions on general physics and physiology of diving before a panel of Judges who will allot points as they see fit. When each contestant is finished, the average points are assessed.

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S.C.U.B.A. CHAMPIONSHIP of W.A.PRACTICAL.Part 1. Underwater NavigationPlace. U.E.C. Training Base, Woodman's Point.Time. 9.30 a.m. 15th APRIL, 1962.

Contestants must report to Harold Roberts by 9.30 a.m. otherwise he will not be allowed to enter. C.U.A. entrance fee for all State Championships 10/- payable on the day. Lots will be drawn for positions of starting. Judges will be watching all events and will make any decisions necessary. All decisions made by the Judges will be final. The present holder of the Title, is Roy Sonneman.

A large marker buoy or flag is placed in position at least 440 yds away from the starting point. The contestant will carry a marker buoy on a line for safety reasons and identification. He takes a bearer on this marker buoy or flag and swims submerged on this bearing until he judges having swum 440 yards. Around this area will be scattered some numbered 3" discs, one of which is exactly on the 400 yards spot. He is to report to the Judges what number he has finished on after surfacing at this disc. If he cannot find a disc, he may search for one but cannot exceed his allotted time of 15 mins. before he finds one and surfaces. He must not touch any of the discs in any way or he is disqualified. He must report the first disc he finds. He then swims on the surface back to starting point.

If he surfaces at any time before he sights the discs, he is disqualified. A competitor is judged to have surfaced when any part of his body breaks surface. Points are allotted for those nearest the 400 yards disc. (This has previously been identified) The contestant must use S.C.U.B.A. and provide his own air. The maximum time allowed for each competitor to find his disc is 15 minutes. After this time he is pulled up and disqualified. A boat will follow each competitor for safety reasons, and if the contestant is obviously lost in the opinion of the judges, he will be pulled up by the tender boat and disqualified.

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HAMELIN BAY WRECKERS by The Beachmaster.

The challenge to find and identify the eleven wrecks around Hamelin Bay has been an interesting problem involving time spent on the site and much more time spent in the Archives. The results so far have been interesting, although I can only assume certain details and happenings that took place around the turn of the century when the Port of Hamelin Bay was busy sending away timber from the surrounding area. The only evidence of wreckage found was on the South side of a large rock (presumably called Mushroom Rock) - an anchor near a rock closer to the shore, and the remains of an iron vessel about half a mile North of the jetty one hundred yards from shore.

Due credit to the Albany boys "Frog" castlehow, "Borden Terror" Moir, and "Spring Steel" Tysoe for finding the remains of what we thought was the "Aristide", but which probably is the barque "Lovespring" which during a gale on the 22nd of July, 1900 was moored on the north side of the jetty and was blown onto the Mushroom Rock on the South side, and subsequently sank in deep water.

The Anchor found near the small rock north of the jetty was probably from the "Agincourt" whose remains should now be about 100 yards north of Mushroom Rock. This vessel dragged its anchor and when the cable parted, finished up on some reef and is there to this day.

The "Albany" was a steamship that blew a boiler in December 1888, injuring several people. She eventually sailed away. The wreck near the shore half a mile north of the jetty was therefore not this ship, but probably the barque "Claudiere". She was blown onto shore in July 1883, the owner was a Mr. M.C. Davies. The ill-fated French barque "Aristide" arrived from Fremantle on the 17th October 1889 to load timber for Melbourne. The skipper was T. Cartier. During a gale from the North-West she broke her anchor ropes and became a wreck on the beach about 3 miles north of the jetty. (She must have been anchored well north of Hamelin to have finished in this position.)

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The steamship "Georgette" is lying 4 miles north of Cape Freycinet, and near her the Brig. "Greyhound" went down in a north-west gale. Cape Freycinet is some 10 miles north of Hamelin Jetty.

I can find no trace of the German Ship "Else" lost at Hamelin Bay in July 1883.

The night of the 22nd of July 1900 was a bleak and dirty one for three barques, "Katinka", "Norwester" and "Lovespring" (Previously mentioned). A howling hurricane came up and created havoc not only among the barques moored there, but to communications, trees and houses. "The "Katinka" was lying on outer moorings when she parted her cable and was blown onto a nasty beach. She struck 500 yards from shore. Five men jumped overboard to swim ashore, two reached land the others perished." This is a quotation from the newspaper I read on the article and I defy you to work out where she finished up. Whether she still lays on "a nasty beach" 500 yards from shore, or whether she is on shore after having hit this reef I do not know.

If she is on the shore, the iron wreck we found half a mile north of the jetty could be it. I have already stated that this one could be the "Claudiere". You take your pick.

The "Norwester" was a barque which was moored on the South side of the jetty and during the gale broke loose and drifted ashore. In doing so, she just missed the wreck of the "Orcadia" that had been driven ashore several months before.

Presumably, then, there are two wrecks south of the jetty somewhere, perhaps these could be near the south tip of Hamelin.

The "Katina" was a German Iron Barque of 843 tons built in 1874, length 196 feet, beam 32 feet and a draught of 18 feet.

The "Lovespring" was a wooden barque of 566 tons built in 1873, 149 feet long, with a 30 ft beam and a

draught of 17 feet.

I cannot finish this article without mention of a very modern wreck somewhere around the coast. This was allowed to drift off shore on the evening of 3rd March, 1962. If any person sees one about 8 feet long, please report to Harold Roberts.

If any person wishes to check further on any of these stories, the Archives have a shipwreck index for reference. I added to this index a lot lately with my findings.

My personal thanks to every person at this camp for their pleasant company. Our thanks to the Albany boys for their tents, boat and hookah.

Beers and cheers for the next time.

WEST AUSTRALIAN FISHES.

The Editor is sorry to report we have missed out on this article again. My personal apologies go to Roland McKay for failing to spear the fish upon which all his mail was being carried. Roland, please, in future use conventional methods when sending your mail as fish are most unpredictable about their times of arrival off our coast. Joking aside Members, we hope to continue this series of interesting articles next month.

NOTICE OF MOTION. Moved by Dr. N. Haimson.

Where the depth exceeds 100' a hookah unit or other adequate air supply is essential for the dive, for decompression reasons.

Editor's Note.

For the benefit of those that were not at the last General Meeting, this motion arose from general feeling in regard to risks taken with decompression on previous deep dives.

FOR SALE:

12 ft. bondwood dinghy, fiberglass on all joints, perfect condition. Good sea boat.
 Only £25. cash. Terms from £1. per week.
 Apply .. Allen Robinson,
 71 Richmond St.,
 Nth.Perth.

.....

Complete Porpoise Lung single bouyant bottle.
 In good condition, was one of Theo Browne's.
 Ring Bill Foster on 28.2686.

.....

NOTICE OF MOTION:

Moved A. ROBINSON, Seconded H.ROBERTS--
 That for all divers to gain their A.Class certificate, they must put in 10 hours as an instructor at the training base.

"QUEEN OF THE SEA".

Miss Carol Phillips was elected at the last meeting, so now we all have to go to it and start raising that money. Most dives this winter will have a small entry fee to boost the total.

COMING EVENTS:

MAY 20th : Blind search at Point Walter --
 See page 4, cancelled boat trip.

" 21st : General Meeting and WIND UP NIGHT.
 Don't forget to bring a friend.

" 27th : Mud Dive at Lake Monger. (..ugh!)

JUNE 3rd : Night Dive.

PATRON	: Mr. L. Goldsworthy, G.C., D.S.C., G.M.	
PRESIDENT	: Mr. J. Walden, 18 Upmore St., Cannington.	
VICE PRESIDENT:	Mr.J.Carrie, 49 Axford St., Como.Tel.603141	
SECRETARY	: Mr.H.Roberts, 226 Carr St., Leederville " 281451. (Home) " 81322.	
TREASURER	: Mr.M.Minchin, 98 Bateman Rd., Mt.Pleasant. " 643310 (Business) " 219161	
COMMITTEE	: Mr.L.Woodward, 17 Normandy St., Inglewood. Mr.A.Ottey 22 Arthur Rd., Hamilton Hill. Mr.M.Shaw, Lot 84 West Coast H'wy., Triggs Is.	
O.C. T/B.	: Mr. M. Minchin--as above.	
EDITOR	: Mr. G. Evans, 24 Margaret St., Nth.Cottesloe. 3.3236. (Business) 23.4646.	

PRESIDENT'S REPORT :

This month has been very active for the U.E.C. Our Club was very prominent at this year's State Scuba Championships with three members in the first four places.

Congratulations to Gwyn Hitchins first, John Carrie second, Roy Sonnerman a very close third and Mike Minchin fourth.

The Championships were held off Woodman's Jetty and the weather was ideal.

Nominations closed 9.30 a.m. sharp and the last diver crawled out of the water at 6.30 p.m. when it was nearly dark.

Practical tests were harder this year and competitors had to really work hard to get good points.

Theory was well done with a new approach, each contestant had to explain answers to questions in basic diving knowledge as though he were lecturing new pupils at Training Base.

Most contestants understood their subject, but some had trouble putting it into words, which suggests more time could be spent discussing technical points. Perhaps technical evenings during the winter would be the answer.

Kevin McMahon, Geoff Evans, Len Colin and Frank Digby of the R.A.A.N. did a very thorough job on the theory side of the tests.

NAVIGATION: I had the pleasure of judging or stewarding this one, and I had a very pleasant day touring up and down the course with another one of the rugged Carrie Clan--Jim, in his very fine speedboat "Sarki". The standard of navigation was good but most contestants slipped a bit on their estimation of distance.

SPEED AND STAMINA: Slave driver, Robinson, organised and ran this one. There wasn't anything strange in these tests, but it left more than a few sitting on the beach for a while afterwards.

UNDERWATER SEARCH: It is not as easy as it looks, especially with a blacked out face mask. Some of the tins took a bit of finding--at least one diver got thoroughly wrapped up in a fishing line and had to cut himself free so that he could continue the search. At the end of the afternoon it was so dark that Bernie Harbour said that even with full vision it was difficult to see the tins. Lin Jones did a mighty job of sorting out divers from the mud and seaweed throughout the day.

Last but not least, the old Beachmaster did a magnificent job co-ordinating the whole effort.

Bernie Harbour, Jack Sue and Morrie Hammond were the executor judges for the day. I would like to point out that the C.U.A. ran the Championships and co-opted our men to help.

DEEP DIVING: The Notice of Motion (that sufficient air be carried on all field days for proper decompression) caused quite a bit of discussion and kept me 'on my toes' for awhile at the last General Meeting. This was changed to read-- (that sufficient air be carried on all field days for proper staging).

headed until the waves got larger and conditions more "oceany". Rottnest was just not appearing out of the fog; visibility was no more than a mile. We were lost out on the very unfriendly blue water.

A conference was held -- "go South West" I said; "Go North West" Reg said. To settle the matter, out from the fog came a crayfisherman, several red faced crew asked the way to Rottnest. We were told to go South West for one and half miles and there we headed--suddenly to be in among the troubled waters off the Transits. The swells were everywhere and the wind was hard, but into Thompson's we crept.

Here we waited for the weather to clear; according to our passenger, an Airforce man, it would soon clear as conditions were brought on by a reversed inversion---or words to that effect anyway.

Taking him at his word we snuck around to Dyers Island to show him the seals; they were there alright, but the water between them and ourselves was so troubled we turned back to Fremantle. The mist was still around so we headed South West and hit the North mole on the button.

After anchoring we sat down, talked about what the weather had been and what it would be like in a week hence. Our Overseas visitor at least showed he was impressed. I took it upon myself to show him a good place to taste some of Mike Minchin's product. He was very impressed.

DECOMPRESSION TABLES:

At the last general meeting it was decided to print a set of tables in this edition but due to space, would any member wanting these please contact the Secretary.

.. .. .

that you give some consideration to this most important feature of Club activities.

If any member wishes to nominate for any position, or is willing to shoulder some responsibility for the next season, contact the Secretary, Harold Roberts, and talk it over.

Remember, it is up to each member to make this decision.

SPECIAL SCUBA TRAINING SQUAD: By the Beachmaster.

With the Australian Championships not so far away, there may be members who hold advanced divers certificates, who possess lungs and who are willing to brave--with the Secretary--some winter training at week ends.

This training could stand you in good stead for taking all Scuba honors this year.

How many of these members are willing to spend a little time on this training?

It would consist of search and navigation training, theory talks and discussions, snorkeling and endurance work.

The Secretary is endeavouring to participate this time and notwithstanding his creaking bones and shortness of wind, will be doing some of this stuff to try and take the honors. He invites Kevin McMahon and Geoff. Evans to challenge him in this contest and suggests all other members who are eligible to contact him with this training in view.

TO ROTTNESST: (By Guess and by God).

Very rarely does the weather close in so much as to make a compass necessary for the Fremantle-Rottnest run: However, a short time ago the "Burbler 11" was in this predicament but the skipper decided to keep going with the possibility of some good diving at the end of the trip.

West Nor'west was the order to steer, so West Nor'west sh

This means that on all boat trips there must be a hooker or large bottles of air ready for proper staging. Decompression tables must be carried on all boat trips in future, for nobody can afford to run the risk of the bends. I am sure nobody would want to try Max Shaw's effort of being sealed up in a small tank for 38½ hours.

THE EASTER TRIP TO DENMARK I think was a great success. There was a large crowd from the U.E.C. present and all participated in the events. Harold got a Dusky and George Brenzi a couple of small Groper. I speared four small striped fish which were just big enough to stop me from getting a prize for the smallest number of points scored. I am sure all those who went to Denmark are looking forward to Christmas and the Australian Championships. The water conditions down there are a bit different from what we are used to, what with strong currents and rough water.

The day after the Championships George Brenzi got a very fine "Blue" weighing more than 60 lbs which made him top spearman for the U.E.C. that weekend. Might I suggest that it would not be very hard to get a team from the U.E.C. to compete in the Championships at Christmas.

I hope to see you all at the windup night next General Meeting; there should be fun and games for all.

THE NAVIGATION OF BLACKWALL REACH: by Wally Woodward.

On Sunday the 1st April, a navigation dive was held across Blackwall-reach, Point Walter. The day was warm and sunny and conditions for diving were good. 8 divers made the crossing in pairs closely followed on the surface by Skipper Albert Ottey in his launch, keeping the pathway clear for the divers below. (Thanks Albert).

John Carrie and Colin Firmin were the first to move off and safely reached the other side; on surfacing John was asked where was the point he had headed for, quickly John pointed straight in front of him dead on course. (Shame on you John, or maybe your fingers were crossed under the water). Mike Minchin and Wally Woodward were the next to move off and

although they were a couple of feet off course, they weren't afraid to admit it John.

Dave Gilmore carrying a hefty hand spear, Albert Ottey and Dick Nicholson were next away, about half way over Albert hit the surface with no air left--bad luck Albert--and left Dave and Dick to finish the course. By the way Dave, I did not see any fish when you got back; maybe the spear was carried for ballast.

Lyn Jones made a lone trip and safely reached the other side and returned bringing to an end the navigation run. Time was taken by John Walden, Mike Minchin and Wally Woodward to do the $\frac{1}{2}$ mile free swim efficiency test and all swam across the river and back again to pass the test. So ended a very pleasant day with something accomplished for all of us.

CANCELLED BOAT TRIP:

This trip was to be on the 20th May, but owing to the poor attendance on the last day it has been scrubbed. In lieu of this Albert Ottey has taken upon his broad shoulders to organise a day at Point Walter. This will incorporate a blindfold search with magnificent prizes to be won by the bloke who can find the body in the bag first: prizes being -- 1 only bunch of carrots, half a dozen cans of the amber fluid, assorted vegies., 1 only quart bottle of plonk plus one box of bex. Entry fee for this competition will be 5/- which will go towards the "Queen of the Sea" competition. P.S. Don't forget the picnic lunch.

REPORT ON STATE S.C.U.B.A. CHAMPIONSHIP: By Burnie Harbour.

Nominations closed 9.30 a.m. sharp when positions were. At 10.26 a.m. the first competitor Woodward entered the water for the navigation test. With only one stop watch it was obviously going to take a long time to test all competitors and so it turned out. This section provided the only protests of the day. First protest was lodged by Roy Somnerman, objecting to the use of watches, on the grounds that this gave some entrants an advantage. PROTEST UPHOLD.

for the last time and immediately surrounded by doctors for a quick examination. It was noticed at once that the effort was a success as I had recovered some use of the paralyzed leg.

Within two days I was tramping around the hospital and although my leg had shrunk an inch, this is now building up and I expect a full recovery.

ALL MEMBERS OF THE U.E.C. from Harold Roberts.

Most members are aware that the Australian Skin Diving Championships are to be held at Denmark at Christmas time.

As Chairman of the Organising Committee, I have some problems to iron out with the Committee as you can readily understand. One problem may be the running of the Australian Scuba Championship in the event of the Navy not being available. Many Eastern States competitors will be entering and we want something good.

Members are therefore asked to work out and submit on paper as soon as possible their ideas of how it could be run and what trials they have to undergo.

These probably would be run over a period of two days, in a spot somewhere handy to Denmark. They do not have to be in the same spot necessarily.

Whatever is submitted will be pulled to bits, revised and generally thrown about until we arrive at the perfect thing. We have to be very critical on this as the Scuba Contests are becoming a high quality product.

Write your ideas down and if they are any good, I'll buy you a beer for us.

ELECTION OF OFFICE BEARERS:

This important event will take place at our usual JUNE meeting, 18th, at the Farmers' Union Building.

It is up to each Club Member to decide this, so we ask

I was taken straight down to 80 ft. and by the pressure I felt on my ears we went down fairly quickly. The feeling was much the same as when making an actual dive, except without water I could continue breathing normally through my mouth and nose.

Upon reaching the 80 ft. mark everything levelled off, I did'nt have any feeling of pressure, it was just like the normal atmosphere.

The drinking bottles I had were fitted with a plastic straw which was bent at the top to allow me to simply put it to my lips and squeeze the bottle for a drink. I had to be careful as the only place I had for storage was between me and the walls of the tank; if I rolled or moved a little, my body pressed against these bottles and I would get squirted with milk and water.

As the time went by the air got increasingly hotter and by mid afternoon I was soaking wet with perspiration.

It was about this time I picked up the last water bottle and found that instead of being full, I had lent on it so often there was only an inch or so left. I immediately checked with the Doctors to see if I was coming out for the five minute break at 6 p.m. It was then I learned that I would not get my break till 2.30 a.m. next morning.

This was great; here I was with $\frac{1}{2}$ middy of water to last about 10 or 11 hours.

At 2.30 a.m. Wednesday, 17 $\frac{1}{2}$ hours after my entry into the chamber, I was lifted out for the quickest five minutes of my life. Within this time I was lifted out, washed, changed, given a cup of black coffee and put back into the chamber for another 20 hr. session.

This session was much the same as before, except I had twice as much to drink and plenty of food.

At 10.30 p.m. Wednesday, I was lifted out of the chamber
(Page 12).

The second Protest was lodged by John Carrie on the grounds that watches had not been mentioned in the rules and that some competitors had trained solely with watches. The Judges ruled in favour of a compromise--watches could be worn if made available to all entrants.

The actual swimming in the navigational course was, in my opinion, of an excellent standard; apart from 3 or 3 contestants, a very high accuracy was achieved by all competitors for the first 250-350 yds., most averaged less than a 20° error.

Gwyn Hitchin's error or drift was less than 5° over the entire 400 yards. This immaculate standard set by Gwyn was maintained by him through the day. Others to do well in this event were ---

John Carrie	15°	variation.
Roy Sonnerman	10°	variation.
Mike Minchin	5°	variation.

These four swimmers dominated the competitions in all sections.

Bill Scott provided one of the highlights of Part I when he used a self imposed handicap of his two kids at the start. Bill's was the third protest of the day when he protested against loss of points for not carrying a knife. PROTEST DISMISSED.

PT 2 SPEED AND STAMINA:

This section was a little disappointing after the high standard set in Section 1. Most competitors reached the first buoy and donned their gear in less than 2 mins. and yet the best time recorded was 8 mins.17 sec. 204 pts. by John Carrie.

Persons to score well were :--

Gwyn Hitchin	..	165 pts.
Colin Firmin	..	152 "
Mike Minchin	..	132 "
Bill Scott	..	112 "
Roy Sonnerman	..	110 "

John Carrie mentioned previous training by F.I.S.H. Club coach--John Yeomans, so it can be assumed his mastery in this event was due in no small measure to his forethought and training.

EVENT 3. SEARCH:

Here I felt was S.C.U.B.A. work at its best. The circular search in dirty water calls for organisation of a high standard and I felt as the day progressed that this leg of the course could decide the winner.

From my observations, it was obviously a case of calm reasoned logic, coupled with steely indifference to total blindness and that all so necessary touch of luck---only four swimmers found tins. I had the privilege of swimming as safety man for John Carrie, when he swam his search. After less than one circle of the anchor, so much mud had been stirred up that visibility was zero. I was lost from start to finish. I was also the most surprised person on the jetty when I found John had found a tin. Once again the big four dominated the search and I am sure there must be a lesson to all S.C.U.B.A. people in this search; with an Outboard Motor or a Body lost in dirty water, Speed must be used to find them. If ever I am stuck on the bottom I hope Mike, Roy, John or Gwyn are handy to pull me up.

PART 4. THEORETICAL:

The method of a panel of 4 Judges seemed to work very smoothly by and large. The relative closeness of the scores of the competitors shows a very even knowledge and awareness of the dangers and hazards of S.C.U.B.A.

As a check on the panel, Jack Sue, Maurie Hammond and I allotted points for 3 contestants. We found the panel to be completely unbiased and extremely patient workers.

As an interested spectator and not as a Judge, I would like to add a few highlights as they appeared through my (S.C.U.B.A. Speaking) inexperienced eyes.

Three other members made the dive on this occasion, Harold Roberts, Dave Gilmore and Kevin Morgan. We all returned to the boat feeling 100% fit and commenced pulling in the shotline and anchor.

It was then that I first realised I was in some type of trouble, I started getting acute pains in the stomach and within minutes I was flat on the deck of Len McWinny's boat in agony, with pain in my stomach and down the back of both legs. This lasted for 15 to 20 minutes before subsiding and enabling me to get up and lie down on the bunk for about an hour. By this time I had fully recovered and came out on deck to have lunch and to go manta board riding.

We put the whole experience down to some kind of cramp, possibly brought on by a fall I had before taking the dive. That evening my right leg began to grow stiff.

By Monday morning I was completely paralyzed one side and had to be half carried. I immediately called Dr. Naom Haisom who placed me in Royal Perth Hospital.

After about a score of examinations by as many Doctors and a visit to the X-Ray Theatre to check I had not injured any bones by the fall, it was decided that I was definitely suffering from the 'Bends'.

By 3 a.m. Tuesday, the R.P.H. had acquired a portable recompression chamber belonging to Mrs. Snider, whose late husband, Tom Snider, had built for his personal use.

At 9 a.m. Tuesday I entered the Chamber. At first look I wondered how in the devil I was going to survive in such a small space. The interior was approx. 2 ft. in diam. and approx. 5 ft 3 ins. long which meant I could not stretch out but had to keep my knees bent in a semi uncomfortable position.

After settling down I was handed four plastic bottles filled with milk and water; then, the door was closed, the air was turned on and commenced my dive, the only difference was that there was no water.

LONG WAY DOWN: By Kevin Curnow. W.A. Dolphins Underwater Club.

Wally Woodward and myself arrived at Fremantle at 8 o'clock and waited for our boat which would take me to my first deep dive and if accomplished would give me the right to instruct others. I was really excited at this time because I had waited for weeks for this day.

The boat arrived in about ten minutes and we loaded our gear and kicked off--off for the deep dive. It was a beautiful day for diving and just as well, for it was our last dive attempt for this year.

We got to our destination at approximately 9.45 and my final briefing from Wally Woodward. We then submerged, the going was easy, and my ears had to be cleared every ten feet till sixty feet. After this point ears cleared themselves and the going was so easy I could sit and descend, just as fast as paddling. The sensation of descending and arriving at 100 ft., has to be experienced to be fully appreciated. It's fantastic; one can feel free and independent from the world. Just plain blue water, around, up and down, everywhere, but one must keep constantly alert as I later found out. At 100 ft. my mask had to be cleared and mouthpieces changed.

We ascended to 50 ft for the free ascent. I took off my lung and handed it to Wally Woodward and started off for my free ascent. To my dismay, Wally's hookah hose was caught between my snorkel and mask and as I kicked off, my mask was torn off and Wally's mouthpiece ripped out.

This uncomfortable matter had to be endured to the surface but luckily I was alert and prepared for the worst, otherwise disaster could have occurred.

MY EXPERIENCE WITH THE "BENDS": by Max Shaw.

The ocean was calm, the water cool and refreshing as I submerged and started swimming down beside the shot line on my first 200 ft. dive. Little did I know that within 24 hours I would be in R.P.H. suffering from the "Bends".

- (1) The endurance test proved beyond doubt the need for more free diving training for all S.C.U.B.A. groups. After a hard 440 swim, most competitors had trouble diving to 30' six times.
- (2) The points allotted or subtracted for faulty or missing gear, i.e., knives and leaking units, must remain apart of the score system. John Carrie had to cut himself free of a fishing line, during the search.
- (3) The sportsmanship of all competitors was outstanding.
- (4) Time wasting by entrants should be penalised by a loss of points and a maximum time limit be allowed for setting up the search.
- (5) An official should be provided to post scores on the board as they come to hand.
- (6) Apart from small details, these Championships were a credit to the Organising Committee--My congratulations to all Officials.
- (7) My congratulations to Gwyn Hitchins. Gwyn won the 440 yd. Navigation Test; was second in the Stamina Test (room for improvement here Gwyn); top scored with 3 others in the search, then backed up his practical ability with an outstanding first in the Theory Section. I'd like this boy in F.I.S.H. Club--he would make a brilliant spearman.

Finally, my thanks to all competitors and officials for making my job as Judge so easy. I am sure I can speak for co-judges Jack and Maurie and congratulate all concerned for a wonderful effort.

.. .. .

	440 Time	Nav. Pts.	Stam. Pts.	Search Pts.	Thy. Pts.	Total	Place.
W. WOODWARD	12.35	65			143	208	9th
J. HURSE	15	15			178	193	11th
G. HITCHIN	11.25	200	165	125	228	718	1st
B. SCOTT	15	60	112		158	330	6th
E. AIREY	15	65			130	195	10th
T. HUNT	15	60	79		178	317	7th
M. MINCHIN	15	80	132	125	98	535	4th
R. SONNERMAN	13	95	110	125	218	548	3rd
K. HOWARD	14	65	46		160	271	8th
C. FIRMIN	7	65	152		190	407	5th
J. CARRIE	12.30	115	204	125	205	649	2nd

WESTERN AUSTRALIAN FISHES:

The Tiger Shark (*Galeocerdo cuvieri*) By R.J. McKay.

This shark can be readily identified by its teeth and in smaller specimens by its markings: The teeth having saw-toothed margins with a deep notch in their outer margins (see illustration). The colouration is usually a blue-grey to brownish with prominent dark bars on back and sides. Adults are often of a uniform brownish grey.

This voracious shark grows to a length of at least 19 ft. and reports of specimen reaching a length of 30 ft. are common

but not authenticated. The largest recorded from Australia appears to be a shark taken in Port Jackson, measuring 18 feet 6 inches. A Tiger Shark of 18 feet caught at Newcastle, N.S.W., weighed 3,360 lbs.

The Tiger Shark is found along the W.A. coast--seems to be more prevalent during the summer months. It has been taken around reefs, off local beaches and known to enter harbours and bays, scavenging for any edible refuse. Its items of diet are very varied and often rather unusual. It has been known to swallow tin cans, lumps of coal, sacks, sea turtles, dogs and portions of other animals: -- "Homo sapiens" is also an item of its diet occasionally, so it might even develop a taste for skin-divers. (S.C.U.B.A. divers being as yet an unclassified animal, might prove to be rather unpalatable). See Dr. Coppleson's book "Shark Attack" for attacks on swimmers and an account of the interesting "Shark Arm" case.

The large coarsely serrated teeth are extremely efficient cutting instruments, and the Tiger Shark bites with a rolling, tearing motion, evidently using the teeth much like a saw. The open jaws of a large "Tiger" presents a frightening spectacle.

They are known to patrol ocean beaches and around wharves--normally a rather sluggish shark, they have been known to attack savagely. Details of shark attacks are so well presented in Dr. Coppleson's book that I will not comment on them in this article.

Very little is known of their breeding habits. A Cuban specimen of 18 feet contained 82 young. In Australia, litters of between 10 to 50 have been recorded. Tiger Shark females of 12 feet have been known to contain young. The young are possibly born at 2 ft. 6 inches, but reports of free living young of 18 and 19 inches have been recorded. The young sharks are active immediately after birth and if carelessly held, can bite savagely. The Tiger Shark is a world ranging species, known from almost all oceans. It occurs in all Australian States.

.. ..

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P.S. Sorry for the wrong address last time, Allen.

A. PLUG: By Beachmaster.

This is not a "plug" or advertisement, but a new magazine called the "Outdoor Life" should contain some articles by U.E.C. members.

A representative was present at the last mud dive and took some pictures.

This magazine has just begun and Ross Cusack has been the bloke getting some details and seems interested in underwater stories. So get a copy at a Newsagent's sometime. The JUNE issue is already out.

GENERAL MEETING .. MONDAY, 18th JUNE, 8 P.M.

at

FARMERS' UNION BUILDING

ADELAIDE TCE., PERTH.

.....

PATRON : Mr.L.Goldsworthy, G.C. D.S.C., G.M.
PRESIDENT : Mr.J.Walden, 18 Upmore St., Cannington.
VICE PRESIDENT: Mr.J.Carrie, 49 Axford St., Como. Tel. 603141
SECRETARY : Mr.H.Roberts, 226 Carr St., Leederville 281451
(Home. " 81322
TREASURER : Mr. M.Minchin, 98 Bateman Rd., Mt.Pleasant.
Tel. Home 643310 Business 219161.
COMMITTEE : Mr.L.Woodward, 17 Normandy St., Inglewood.
Mr.A.Otley, 22 Arthur Rd., Hamilton Hill.
Mr. M.Shaw, Lot 84 West Coast H'wy,, Triggs Is.
C.O. T/B. : Mr. M. Minchin - as above.
EDITOR : Mr. G. Evans, 24 Margaret St., Nth.Cottesloe.
Tel.Home 3.3236. Business 23.4646.

PRESIDENT'S REPORT:

Brrrr! as I sit writing this report the clear skies and blue sea seem a long way in the past.

This report will be my last before the June meeting which will be the election of office bearers for the new year, so lets have a look at the year which has almost finished.

Wind-up night was a great success and well in keeping with the rest of the year which was the most outstanding in the history of the U.E.C.

Mike Minchin assisted Goldie in handing out a record number of Certificates. Each year since the U.E.C. was formed, has been a record in new certificates, except last year which was down a little.

The presentation of Certificates is a very thrilling part of the evening and was watched by a record number of members and distinguished visitors.

Finance this year will finish up in quite a healthy position and equipment has been completely overhauled and is ready for next year.

-6- Boat Trips were much the same as last year; one or two days were too rough to go out and some trips not very well attended. It would seem that some members would rather not attend their own Club trips.

200 ft. dives were numerous this year and another record for the U.E.C.--this time a lady to 200 ft. Good work Elaine Airey. The Old Beach Master did a 200 ft. free ascent without blowing a valve, nice work Harold and last but not least Max Shaw got a touch of the bends which turned out quite serious---Not so good was it Max?

Efforts were made this year to provide extra diving for Club members on a Club basis, apart from training base and boat trips. These proved worthwhile. There was night diving--Fresh-water springs in Cockburn Sound thanks to Albert Ottey and George Brenzie and friend: Blackwall Reach crossing: Blind Search at Point Walter and a Mud Dive--all before the end of June.

Hamlin Bay long week-end was a new venture for the U.E.C. and a very pleasant one at that. Also a number of U.E.C. members attended the Easter Spearfishing at Denmark and did quite well.

The Scuba championships, whilst this is a CUA matter, was organised and run by Club members and I think all Clubs will agree that this year's Championship was good. I do know that anybody who did well, proved themselves to be capable divers.

Dolpin Club was formed and fostered under the guidance of U.E.C. with good results to both sides. We gained at least one good new member with, I feel sure, more to come. A worthwhile job was done in forming this Club.

Wreck research was pushed ahead by Mr. Reg. Evans and Harold Roberts, more on a private basis, and their efforts were well rewarded in the finding of the "James Servis" off Mandurah. New wrecks are taking a little more finding these days unless one thinks of the types found on Sunday mornings.

Recompression Tank which has been on our books for some time has got a good move on and we hope it will be ready for the new season.

The next meeting is perhaps the most vital one for the year as it is for the coming Season. The Club must have a strong and active committee and office bearers to do the work that keeps the Club moving. There is a bit of hard work but it is very rewarding.

THE "LADY ELIZABETH" WRECKED : 30th July, 1878.

This small vessel came to grief on the reefs just off Dwyer's Island Rottneest.

The "Lady Elizabeth", outward bound, with 600 tons of sandalwood for Shanghai. This trade was of very great importance in the early development of W.A. It was one of the first export lines, and many thousands of tons had been sent to China to be a burnt offering to the Chinaman's Joss.

Incidentally it contributed to the successful establishment of many wheat farmers and small pastoralists who collected a few tons as a side line during slack periods. It was also profitable to merchants and sandalwood getters, who with horse, donkey and camel teams, ranged far beyond the bounds of settlement, harvesting the mature crop of sandalwood trees. The trade is still in existence but is doomed to extinction as the plant is a root parasite; that is, it can only live--at least in its early stages--by drawing its sustenance from the roots of other trees. Regeneration would be difficult enough but it has been made impossible by the rabbit which is very fond of the young sandalwood: Consequently there can never again be many trees large enough for the China trade.

The "Lady Elizabeth" sailed from Fremantle on Monday, 24th July, 1878. She ran into heavy gales from the West and North-West and by Thursday Captain Scott deemed it advisable, rather than battle any longer with the elements, to return to port. Sunday light was very dark and boisterous and mistaking his position, his vessel struck on the reef surrounding Dwyer's Island. In response to distress signals, the pilot boat, in charge of Captain Nash, put off and made the perilous journey to the wreck twice and rescued the captain, his daughter who was a passenger, and the crew--with the exception of one man who was washed overboard and drowned.

.....

This is a golden opportunity for new members who have passed their advanced tests and although they do not at this point know much of these subjects, it will be an opportunity to learn enough to acquit themselves well against other competing Australians.

The qualifications necessary---An advanced certificate, adequate Scuba and willing to train. Check Harold Roberts for details.

TROPHY WINNERS THIS YEAR :

- DEVITT TROPHY : B.Manwaring & C.Firman.
- TRAINING BASE TROPHY : W.Woodward.
- CLUB MAN TROPHY : M.Minchin.
- SAFETY TROPHY : K.McMahon.
- MOST PROGRESSIVE LADY DIVER: E.Eirey.
- HUGH EDWARDS TROPHY. : R.Evans & H. Roberts.

B.C.
W.A.S.
L.M.W.

THE NEWS :

This is a rather small edition this month owing mainly to the lack of news ~~at this time of the year~~. Various members are no doubt doing some very interesting private dives at this time of the year, so how about jotting down a few lines on a scrap of paper and passing on the experience gained.

At the next general meeting, the Election of Office-bearers will take place. The position of Editor will fall vacant as I can't see my way clear to keep up the Mag. for another full year. Give it some thought and if you are at all interested in running this very necessary side of Club activities let me know.

Covers have been printed for the coming three months and I will be glad to help the new editor take over in this period.

.....

At this stage I would like to pay tribute to the find bunch of chaps with whom I had the pleasure of working this year.

- John Carrie, Vice-President, Assistant Secretary.
- Harold Roberts, Secretary and Public relations.
- Mike Minchin, O.C. of Training Base and Treasurer.
- Wally Woodward who took so many new divers under his wing.
- Albert Ottey was active in organising field days and made use of his boat.
- Max Shaw who spent some 38 hours testing a Recompression Tank and is working hard for the new Club Tank, and last but not least ---
- Geoff Evans. One only has to look at the Club magazine to see Geoff's efforts.

I can only say it was a very humourous and progressive year. I hope that these faces will be in the forefront next year.

I would like to say thanks to all for their co-operation throughout the year. So-long for now, Members---see you at the June meeting.

POINT WALTER SEARCH: BY ALBERT OTTEY:

Rough weather didnt deter the members from attending the dive held at the Point Walter jetty on Sunday, May 20th. Fifteen of the more hardy type turned up to carry out Test 6 of the Proficiency award.

The required area of 50 ft. was defined and the jam tin was dropped to the muddy bottom. As the boys reckoned this set-up looked too easy, seven tin discs were distributed over the area to make the test a little more difficult.

Len Cohn, complete with blind fold, broke the ice and entered the water at about ten o'clock. Len's intricate system of ropes, used in his search technique, really intrigued some of the bystanders, but Len proved the worth of his gear when he surfaced with the elusive tin within five minutes from count down.

Eight other members took part in the test and Colin Firman carried off the major prize of six cans of the better fluid. A bottle of fed-ned, and the necessary quantity of asperin to go with it, was shared by three other successful participants who tied for second place. (Our thanks to the donors of these worthy trophies.)

Seven members in all qualified by passing this test. As well as proving the need that exists for these weekly jaunts and get-togethers for Club Members, the sum of £2.10.0 was raised at this outing in aid of funds for our nominee for the 'Queen of the Sea' competition, Miss Carole Phillips.

WESTERN AUSTRALIAN FISHES: BY R.J. McKay.

The Grey Nurse Shark. (*Carcharias arenarius*).

This shark can be identified by its conical nose, sharp pointed teeth and in having all five gill slits before the pectoral or side fin as well as possessing a pit just before the tail above, but not below.

The teeth are rather characteristic being long and narrow, sharply pointed, each with a small pointed cusp or spine on each side at the base.

This species, although growing to a length of 15 ft. is rarely faken at a size exceeding 9 feet.

They accompany schools of salmon on their migrations along our coast, feeding on the weaker and disabled fishes. They freely enter harbours but their penetration into fresh water appears doubtful.

They are known to patrol the slopes of beaches, normally just outside the surf line, keeping mostly on the bottom. The "Grey Nurse" bites best at night and takes a bait off the bottom rather than a floating one.

This shark, although a confirmed maneater, is mostly a fish eater and its teeth are adapted for holding prey rather than cutting, but can be efficient tearing instruments.

The romantic name "Grey Nurse" has undoubtedly been the cause of this shark acquiring a rather fearsome reputation. I have seen photographs of grey nurses in local papers which have in reality been whaler sharks and many of the attacks credited to the Grey Nurse are possibly made by the less romantic Whaler.

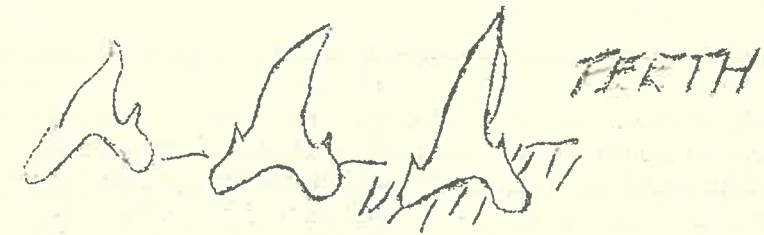
Professor J.L.B. Smith, in his valuable book "The Sea Fishes of South Africa" states for 'C. taurus,' an allied, if not identical species", one of the most dangerous sharks. A cunning

and quiet scavenger which creeps along the bottom towards the shore and when stationary, even in four feet of water, the largest specimen is hardly visible against the sandy bottom.

If an unwary bather approaches within reach, there is a savage rush and usually another fatality."

Although the Grey Nurse is a dangerous shark, I do not agree that it is quite as fearsome as Professor Smith writes above. Care should be taken to ascertain which species is the culprit on shark attacks, if at all possible--and next time you catch a "Grey Nurse", make sure that it is in fact this species, having teeth as figured.

Known from Queensland, New South Wales, South Australia, Victoria, Tasmania and Western Australia. Common in Southern waters, it becomes less numerous along the Western Coast, and in the Northern most record is Long Island off Onslow.



STATE S.C.U.B.A. SQUAD:

In the last issue of the U.E.C. NEWS, mention was made of a possible squad of interested Scuba men to train for the forthcoming Australian Championships.

At the next C.U.A. meeting, this squad will probably be formed and commence training. Details of this training will be worked out between the members of the squad themselves. However, generally this training would consist of stamina swimming, navigation and the like to make a person competent to have a 'go' at the Australian title.

Overheard recently in a diver's hangout.

Two staunch members of this club decided to attack a little known wreck which they discovered recently, and as the weather was perfect, the seas calm and a good boat to speed them on their way, they whizzed out on their journey very confident of some good spoils.

Arriving at the scene of the crime they proceeded to take bearings to find the object of their attention. Imagine their surprise when they realised that the major reading in their bearings was missing (Breakers on twin reefs a short distance away).

Last I heard was that they were mumbling about calm winter seas and bemoaning the fact that they couldn't find the Wreck.....First time I have ever heard of divers wishing for rougher seas.....

GENERAL MEETING MONDAY 16th. July, 1962.

at
FARMERS UNION BUILDING,
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.....

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Phone 24, 3620 Bus. 28, 2020
- COMMITTEE: Mr. W. Woodward, 17 Normandy Street, Inglewood,
: Mr. A. Ottey, 22 Arthur Rd. Hamilton Hill. 714870
: Mr. J. Margetts, 26 Bottle St., Hamilton Hill
: Mr. K. Kennedy, 67 Gildercliffe St, Scarb. 25, 1725.
- O.C. T/B : Mr. W. Woodward -as above -
- EDITOR : Mr. C. Firmin, 75 Tenth Ave. Inglewood Bus 5-3592

PRESIDENTS REPORT:

Well, with the election of office bearers over for the year we can settle down to the planning and running of yet another diving season.

I would like ALL club members to realise that the Underwater Explorers Club has a fine record for the short time it has been in existence, and that this record has been made by the close liason and co-operation of ALL members with their committee.

Everyone must realise that although the office bearers are keen and ready to do justice to the opportunity you have given them, they are only human and at some time will be calling on others to help with interesting suggestions, projects and diving outings. I am sure that we will all pull together and make this season as successful as the past seasons.

Enough of my demands !

The time is rapidly approaching for all to get down to some serious training for the Australian Championships.

We as the host state will be under the surveillance of all participating and because of this we must put up the best showing we can possibly do.

The opportunity offered to all interested parties are not to be taken for granted. We, as a club, must strive to make our representation of a standard never before seen.

We must not rest on our past laurels, but push this years standard so far ahead that all Australia will sit up and look. We can do it.

The "Queen of the Sea" requires that extra effort to make our girl the No. 1. competitor in this year's competition. Miss Phillips needs the support of all members to achieve the ultimate success. Do not forget the outings and events arranged in her benefit. Support them until it hurts.

Do not forget this magazine. It is YOUR magazine and only with your support can it continue to bring you the pleasure and interest found in the past. All activities of a club nature and otherwise make interesting, reporting, so what about some of the "would-be-journalists" turning insertion in the "News". (The dive you had last week, the time you found a new cave in 30ft. of water, all make interesting reading for our members.) Be in it!

The weather has not been exactly tophole for diving, but this doesn't stop you from fossicking around with old records (Non-musical), designing new gear, and overhauling last years gear.

Get cracking and make 1962/63 one to be remembered.

We have a past to live up to.

See you next meeting with all those ideas.

STATE SCUBA TRAINING SQUAD.

All clubs are aware that the above has been sanctioned by the C.U.A. and as a result of a meeting convened by Harold Roberts, a plan of training was drawn up and is noted below.

This squad has been formed with the intention of training a number of good interested divers from all clubs, for the Australian Championships at Christmas time.

This training will consist of hardening up and stamina work,

(Page 2.)

One last dig before signing off on this note :-

Those dives have entailed a lot of hard work for those organising these events, and a large attendance is necessary to ensure a good and profitable (Mercury) event. I say.

So, how about it? Be there!

NOTICE OF MOTION.

At the last General Meeting a notice of Motion was passed and for the benefit of those members who were unable to be present it has been set out below.

This motion is attached to and forms part of the "A" Class certificate.

"That to obtain an "A" Class certificate, all divers must put in 10 hours instructing at the Training Base".

This motion attaches from the 21st May, 1962.

ITEM OF INTEREST.

You have just read a report on the mid dive at Lake Monger by Wally Woodward, maybe you are interested in reading a report in a W.A. Magazine. It has been reported by my spies that an article on this is in the July issue of a magazine called "Outdoor Life"

There should be some interesting photos in this issue and a few divers may be surprised at their poses.

NEWS PLEASE!

Once again the call goes out!

You can see that this issue is not very large, so how about a bumper crop of news for the next issue.

The weather lately has been almost perfect for winter diving and I am sure that a lot of members are taking a brisk dip now and again and that all club members would be pleased to read any news on the subject of winter diving.

HOW ABOUT IT?

(Page 7.)

a rocket.

All in all we had a good morning, and every diver making the dive (dive? - more like a squirm) passed the test with flying colours (Pitch black), and felt satisfied that something had been gained in experience.

QUEEN OF THE SEA COMPETITION.

We all know that the U.E.C. is a good club, so why not let others in on the secret too. This competition is open to all clubs and the club which raises the largest amount of capital per head of members, for the C.U.A. is the winner of the competition and the representative of the club, (our club's representative is Miss Carole Phillips) is crowned Queen for the year.

So far we have not raised much in the way of Shekels but I feel confident in the support of our members.

The following dates have been set aside as fund raising days for this competition and a nominal charge will be made on those participating in the events.

- 15.7.62 - River Dive. Boy Scouts Jetty, just South of Glyde Street, Mosman Park. 9. a.m.
- 22.7.62 - Serpentine Falls. Meet at falls parking area at 10 a.m. - Barbecue lunch optional - Cooking pits provided. NOTE. This is not the dam. The falls are approximately 10 miles further on.
- 29.7.62 - Lake Leschenault - This will take the form of a Navigation run. Barbecue pits are also provided at this dive. Meet at 10 a.m. at Lake.

Ed.Note. These last two dives should prove very interesting and as the setting is ideal I feel that friends and relatives should attend and make a picnic day of it.

"Lungs" are not essential as the club hookah will be provided for these dives. Those persons who would like to attend and who have transportation troubles, please contact me and I will see what can be arranged.

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followed by nights on theory, days set aside also for search, navigation and any phase of the sport that may be included in the championships.

A log of each member of the training squad will be kept noting his or her attendance at each training session and together with individual performances during the next six months will be determined from month to month the best in the group.

The squad will be starting on Sunday, 15th July, at 9 a.m. at the west end of the North Mole at Fremantle.

Any qualified diver who possesses a SCUBA unit and has intentions of entering the Australian Championships and who does not mind training and making himself really hard "Man diver" is welcome to join at no cost.

Remember this though. We don't want people trying to join when the warm weather arrives.

We want people to join us now and continue as far as is practical.

The details of the Australian Championships SCUBA event have not yet been finalised, but when it is, all clubs throughout Australia will be notified.

- TRAINING PROGRAMME -

- | | | |
|-----------|---------|--|
| Sunday | 15/7/62 | 9 a.m. North Mole (West End) Stamina swimming. |
| Wednesday | 18/7/62 | 6p.m. S.W. Corner Esplanade. Physical T.
8p.m. 226 Carr St. Leederville. Theory |
| Saturday | 21/7/62 | 2p.m. City Beach Groyne Stamina Swimming |
| Wednesday | 25/7/62 | 6p.m. Esplanade S.W. Corner. P.T. |
| Sunday | 29/7/62 | 9a.m. Cottesloe Groyne Stamina Swimming |
| Wednesday | 1/8/62 | 6p.m. Esplanade P.T.
8p.m. 226 Carr St. Leederville. Theory |

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6	Saturday	4/8/62	2 p.m.	North Mole (West End) Stamina
7	Wednesday	8/8/62	6 p.m.	Esplanade P.T.
8	Sunday	12/8/62	9 a.m.	Woodmans Point groyne Stamina (THIS is the groyne WEST of U.E.C. Training Base.)
9	Wednesday	15/8/62	8 p.m.	Esplanade P.T.
10			8 p.m.	Leederville Theory
11	Saturday	18/8/62	7 p.m.	City Beach Broyne Stamina
12	Wednesday	22/8/62	6 p.m.	Esplanade P.T.
13	Sunday	26/8/62	9 a.m.	Naval Base Groyne Stamina (THIS is SOUTH of Training Base)
14	Wednesday	29/8/62	6 p.m.	Esplanade P.T.
15			8 p.m.	Theory Leederville
16	Saturday	1/9/62	8 p.m.	North Mole (West End) Stamina
17	Wednesday	5/9/62	6 p.m.	Esplanade P.T.
18	Sunday	9/9/62	7 a.m.	Naval Base Groyne (Annual U.E.C. marathon swim 2 Miles and over.)
19	Wednesday	12/9/62	7 p.m.	Esplanade P.T.
20			8 p.m.	Leederville Theory

- This is subject to confirmation. -

This completes Part 1 of the training programme and from here on, will be concentrated training and research, navigation, and other aspects to be decided on and a further programme made up. It would be appreciated if club boat trips be advised so as little interference as possible with these things plans be made when the programme is put together.

MID DIVE - JAKE MONNIE by Wally Woodward.

A mid dive was held at Lake Mowbray on Sunday morning 26th May. The weather though dull was kind to us, and the mid dive off for the whole day of the event.

This dive is Proficiency test No. 10. Each diver must descend into the mid down alongside a long pipe, to a look, then attach a shackle into the look, thus proving that he has reached the required level. The next diver down has to remove the shackle, also proving his depth; and return it to the surface in the boat and so on.

Two divers made the dive in this order. L. Woodward, K. Gurnow, (Dolphin Club), A. Ottey, Miss A. Airey, J. Jones, M. Head, C. Farnham, K. Wagman, B. Mainwaring, Dr. G. Weaver. All divers were successful.

Many thanks to the old Beachmaster - H. Roberts - for the sterling work in helping to rig the equipment. Harold had volunteered (under pressure, to be the first to make the attempt and tunnel into the mid to prepare for following divers. Unfortunately he contracted an infection in his eye on the day of the dive, (I believe you - millions wouldn't) leaving your family to do the job. I know now that on the next dive at Lake Mowbray I shall have an infected eye of my own. Enough said.

A donation of 2/6d. from each diver (under pain of death) was collected towards our trust for the "Queen of the Sea" competition. A donation was also made by our weekly ex-editor another one of the old crazy divers who did not take a mid bath, but viewed from the shore. Also a donation was made by the Beachmaster who obviously could not dive with his infected eye. (Conscience money). Not really, but thanks anyway for your kind generous share.

Maime Airey was a boat hand below, maybe she was making a mid pack or something. They tell us that is an aid to beauty. Dr. Weaver not wanting to be conventional decided to dive headfirst, maybe he wanted to dive deeper. Most of us prefer the feed first method George. Lyn Jones gave us some anxious moments when he stuck to the mid for some time, but Colin with both feet planted on the gunwales of the boat gave a mighty heave and brought him to the surface like (Page 5)

ATTENTION ALL MEMBERS.

DATELINE

SEPTEMBER

Annual subscriptions are DUL.

Please come prepared to the next General Meeting and be prepared to get "Robbed".

Editor.

We have received correspondence from Bermuda Boat Centre that allows our club to buy any stocks they may have in the diving line at (Wait for it) -- 10% below FACTORY PRICE. -- as they are closing down their diving section to make room for their Outboarding enthusiasts.

Now is the time for those with any cash (if the Tax Dept. have left any for you) to race out to Beaufort St. Mt. Lawley and pick up some bargains. Wally Woodward just bought a new Twin Aqualung set at a bargain price. Why not you?

Don't forget section.

Manta Board Run. 19/8/1962 9 a.m. Palm Beach Jetty.

"Outdoor Life" will be on sale in 2nd week of AUGUST.

"GENERAL MEETING" --- 20/8/62.

at Farmers' Union Buildings 8 p.m.

Let's have a better turnup than last meeting please.

(Page 8.)

PATRON : Mr. L. Goldsworthy, G.C., D.S.C., G.M.
 PRESIDENT : Mr. L. Cohn, Flat 3, 32 Cook St. Crawley. Phone 8-4141
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 Hon. SLCTR : Mr. W. Blackwood, 19 Howard Street, Perth.
 Hon. DR. : Dr. N. Haimson, 24 Meenaar Cresc. Mt. Lawley
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 : Mr. A. Ottey, 22 Arthur Road, Hamilton Hill
 : Mr. J. Margetts, 26 Bottle Street, Hamilton Hill
 : Mr. K. Kennedy, 67 Gildercliffe St. Scarborough 25-1725
 O.C.T/B. : Mr. W. Woodward, as above
 EDITOR : Mr. C. Firmin, 75 Tenth Avenue, Inglewood.
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PRESIDENT'S REPORT

It is apparent from observations, at club activities, in the last few weeks, that consideration of wives, families and friends by way of inclusion in outings, etc., is necessary before the ultimate in attendance can be achieved.

With this condition existing, it is obvious that some avenues need to be explored, so that our relatives and companions will not feel left out of things, but will be able to participate and by doing so will bring out club together as a keen progressive unit.

It is the desire of the committee, whose problem it is to organise and satisfy all, that other "faces" be present at organised activities, apart from the same consistent few who attend regularly - to put it bluntly these members are a little disappointed with the other 70/80 members on our books.

(Page 1.)

If our activities and outings arranged are not to your liking please let your committee know that an attempt may be made to rectify the problem.

At our last meeting, in the pleasant surroundings of the parking area, Serpentine Falls, attendances were a little more encouraging. Although the weather was fit only for ducks, I was pleasantly surprised to find the usual few ("never before have so few performed so much") and several new faces accompanied by their wives and friends enjoying the luxuries of a roaring fire (lit by "Ranger Scouts" Roberts and Robertson by courtesy of Shell Oils) and devouring a most appetising selection of steaks.

Water conditions at the "Falls" area prevented any diving activities but an enjoyable time was had by all. My thanks to all and to the wife of a certain member, who bore the brunt of her husband's tongue because he was late in arriving at the scene and was not able to help with the setting up of equipment.

I am sure all members are tired of my grumbles but there are more to come.

The "Queen of the Sea" contest is still under way and I feel that "our" girl Carole, is worthy of a little more effort than what has been given. We will have to pull together as rumour has it that a certain Bunbury Spearfishing club is raffling a load of firewood and a £100 cash prize at £1. per ticket, proceeds being in aid of their queen.

Would all members please put on their thinking caps and bring forth fund raising ideas at our next meeting.

The S.C.U.B.A. Training squad practical and theoretical training is now under way and once more our club has its presence felt. The bulk of participants are U.E.C. members, and I can see no reason why, with the talent and offering, several places could not be captured by our club in the National Competition at Denmark this year.

TRAINING PROGRAMME.

Saturday	4/8/62	2 p.m. North Mole (West End) Stamina
Monday	6/8/62	6.30 p.m. Cnr.Hill & Wittenoom Sts.Perth Gym. 8 p.m. 226 Carr St.West Leed. Theory
Friday	10/8/62	6.30 p.m. Gym. usual address.
Sunday	12/8/62	9 a.m. Woodmans Point Groyne Stamina (This is the groyne WEST of T/B)
Monday	13/8/62	6.30 p.m. Gym. 8 p.m. Theory
Friday	17/8/62	6.30 p.m. Gym. usual address
Saturday	18/8/62	2 p.m. City Beach Groyne Stamina
Monday	20/8/62	6.30 p.m. Gym. 8 p.m. Theory
Friday	24/8/62	6.30 p.m. Gym.
Sunday	26/8/62	9 a.m. Naval Base Groyne Stamina. (This is SOUTH of UEC T/B.)
Monday	27/8/62	6.30 p.m. Gym. 8 p.m. Theory
Friday	31/8/62	6.30 p.m. Gym.
Saturday	1/9/62	2 p.m. North Mole (West End) Stamina.
Monday	3/9/62	6.30 p.m. Gym. 8 p.m. Theory
Friday	7/9/62	6.30 p.m. Gym.
Sunday	9/9/62	10 a.m. Marathon Swim (See page 4.)

FINANCIAL REVIEW. by M. Mirchin (Ex Treasurer)

Now that the annual elections are over and new Office Bearers are in their respective positions, I should like to acquaint members, per medium of our worthy news, with the financial trading over the last 12 months.

EXPENDITURE ACCOUNT 1961/1962.-PAYMENTS-

CUA Affil. Fees.	40. 0.0.
Farmers Union Hire	47. 5.0.
Postages.	33. 4.8
Hookah equip.& repair	137.16.6
Presentation Nights	36. 7.3
News Production costs	67.10.8
Hamelin Bay cottages	61. 5.6
Boat Trips.	125. 0.0
E.S.Delegate Fund	30.14.8
Christmas Party.	59. 8.3
Child Welfare Instrs.	122. 0.0
Sundries,Suppers,Insce. Printing etc.	44. 7.11
Balance.cash at bank	102.15.9

£907.16. 2

-RECEIPTS-

Annual Subs.	257.11. 6
Nominations	20.15. 0
Sale Bathers Badges	1. 5. 0
Sale Lapel Badges	6. 7. 6
Presentation Night	25. 0. 0
Sale of News & Ads.	96.14. 6
Hamelin Bay cottages	61. 9. 0
Boat Trips	113. 5. 0
E.S.Delegate Fund	30.14. 8
Christmas Party	37. 6. 9
Treasury payments	153. 0. 0
Re-Compression Tank Fund.	4. 1. 7
Queen of the seaFund	3.15. 0
Opening cash etc.	96.10. 8

£907.16. 2

(Page 6.)

Well, Winter will soon be behind us and with warmer conditions around the corner, members will again be out in force enjoying the pleasures of our sport.

Help to make this season as interesting and enjoyable as past seasons by giving the committee your support.

Good diving and remember our motto

"Vene et Vici" ---- (Come and see)

RIVER DIVE ... by Albert Otttoy.

On Sunday the 15th July, several members took part in a 70ft. dive in Mosmans Bay.

Early morning showers and an overcast sky were probably the reasons for the small gathering which assembled for the start of the show, but later as the weather cleared and the sun came through, attendance showed a decided improvement.

It was approximately 9.15 a.m. when we left the scouts jetty in the bay and moved to a point some 100 yds to the south east where there was 70ft. of fresh muddy water. The seven divers who took part in the exercise were required to descend to the river bed by the anchor rope and then trace their way along a heavy rope lying on the mud, through an open ended 44 gal. drum to a plastic buoy which was floating up from and attached to, the far end of the drum. The divers were then required to cut a short length of rope from the end and retrace their steps to the boat.

This precaution was taken to ensure that everyone played the game according to Hoyle.

I notice with interest that when my turn came to sever the souvenir from the end of the 6" buoy that the buoy had collapsed under pressure and had taken on the shape of a salami sausage. It looked at this stage that I was up for a new buoy but when brought to the surface it later regained its normal shape and dimension. (With a little help).

Visibility down to 50ft. was reasonable, but below that

(Page 3.)

depth was very restricted. On the bottom the Braille system was necessary for navigation.

Wally Woodward (less 10%) made use of his new equipment by recording the following temperatures :

Air temperature at sea level	..	63 degrees
Surface water temperature	..	58 "
Temperature at river bottom	..	63 "

Lyn Jones, who joined us after finishing with the State Training Squad unconsciously took on the disguise of a walrus when a short end of a rope lodged between his demand valve and mask while he was swimming on the surface prior to diving. This caused much amusement among members on the boat. Although he denied it the time Lyn still gets credit for an attempt to sabotage the anchor by rotting the heavy line and drum to the mid hook as a means of retaliation.

All in all it was quite a pleasant outing which raised £1.15.0. for the club's nominee in the "Queen of the Sea" competition.

My thanks to David Hunt who assisted me with the boat and preparations for the dive.

ANNUAL U.E.C. ENDURANCE SWIM ... The Beachmaster.

Sunday - September 9th. 10 a.m. ... NAVAL BASE GROUYNE.

The course will be from the small groyne near the Go-Kart track to the main groyne 500 yards South.

This swim will be open to any member of the U.E.C. or any other club.

Prizes will be available & an entry fee of 5/- will be charged, all proceeds to go to the U.E.C. "Queen of the Sea", Miss Carole Phillips who will present the trophies on completion of the swim.

The starting time will be at 10a.m. Any competitors arriving after this time will not be permitted to swim.

Swimmers are allowed protective clothing but if the swim is completed bare skin, a bonus of 20 points will be allotted.

Basic equipment of flippers, mask and snorkel will be worn by all competitors, hood and socks optional.

At 1 p.m. a white flag will be hoisted at each groyne when all swimmers will complete the lap they are doing and come out of the water.

For every lap completed, swimmers will get 5 points.

Judges and timekeepers will be on each groyne and will note the laps done by each swimmer and time that each one comes out of the water.

For those members of the U.E.C. Club who wish to complete their 2 mile swim for the Proficiency Award Test, 7 laps is 2 miles. 6 miles can be covered in the time allotted.

Prizes will be available to the best male and best female competitors.

The best member of the Dolphin Club will also be provided with a small trophy.

A very special "Harold Roberts" Trophy will be presented to the best of the over 40s. (Please Rudy Kreuzer of the F.I.S.H. Club be sick on this day.)

Last year Rudy swam about $4\frac{1}{2}$ miles with John Carrie just 1 lap behind him. This will be a challenge to the boys in training for the Championships.

Perhaps we can also see some of the old ones like Bill Sharpo-Smith, Bernie Harbour and Jack Sue come down and give Harold a go for the "Harold Roberts" Trophy.

DO NOT - Boiy shoot Baldchin, their soft flesh tears easily and they smash themselves off spears in seconds.

DO NOT - Try to play a speared Balchin from the top, you must follow your spear in.

The wiles of a Baldchin are endless, his cunning and elusive stratigies will try your patience to the untmost and you will see many before you get your first. When you do, watch the faces of the best spearmen on board because this is the fish they envey most of all. Remember that many spearies give him top billing as to a table fish. One last thin, if anyone finds a sure fire technique for Balchin let me know , I need it.

OUTDOOR LIFE.

Or sale at all newsagents now.

Rush down and get your copy before they are all sold out.

Only 2/-

GENERAL MEETING:

- 17th September, 1962

FARMERS UNION BUILDING

8. p.m.

Please let us have a good turnout at this meeting.

PATRON : Mr. L. Goldsworthy, G.C., D.S.C., G.M.
 PRESIDENT : Mr. L. Cohn, Flat 3, 32 Cook St. Crawley. Phone 8.4141
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 Mr. K. Kennedy, 67 Gildercliffe St. Scarborough
 Phone 25 - 1725
 O.C.T/B. : Mr. Woodward, As Above
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PRESIDENT'S REPORT.

It must appear rather strange, to members of the club present at the last two general meetings, at the apparent absence of their president. To all, I would take this opportunity in offering my apologies.

In the first instance, I was unfortunately a victim of a virus common to many stalwarts and at the last meeting my absence was brought about by a violent allergy to a tetnus anti-toxin injection. I would like to thank all members of the committee for carrying on during my absence in such an efficient and orderly manner.

My congratulations must be offered to all members of the expedition that was successful in re-discovering the elusive wreck of the "Rockingham". These members, although very new to diving, have shown just what perserverance and determination can prove. My only comment is that in future, they explore the wreck and leave the spearfishing to other clubs, or at least until after the ships bell has been located.

The technical lectures given at S.C.U.B.A. training squad evenings have created a great deal of interest and comment. It is extremely pleasant to participate in these warm discussions, which close with all members attending being more confused than when they started. (Joking of course.)

In early October the Council of Underwater Activities will be organising an event at Rockingham to promote the Underwater fraternities candidate for the Miss Australia contest; proceeds to the Spastic Children's Appeal; Miss Maxine Rutter.

This event will be held in the form of a contest between Anglers and Spearers with attractive prizes, displays of gear, relics, and competitions for the children and overall festivities for all participants.

As I have been called upon to organise a display promoting Underwater Activities, I would be grateful if any interested parties with photos, relics and any great ideas would contact me and help make my lot a little easier.

This is our chance to really let our sport be seen by the general public.

The U.E.C. organised a similar event in conjunction with the newspapers several years back, and promoted quite a great deal of interest and made many new friends.

The event this year will have the backing of all bodies at Rockingham, including the Shire Council, Apex Club, etc., and will be covered by the Weekend News publicity.

The U.S.F.A. of W.A. Ball is being held this year at Mt. Hawthorn Community Centre at 8.30 p.m. the night of the 14th September, and this is the windup of the "Queen of the Sea" competition - why not a group of U.E.C. members attend to support "our own girl Carole". Tickets are 35/- double and 20/- single and as a great time is had by all why not be in it, promote good fellowship and spend a night dancing and reminiscing of wrecks and fish that got away.

which can puncture a thumb or tear a rubber suit, particularly as this fish often exceeds 12lbs. his tough skin will allow you to leave a carp on the spear if you need air badly.

After a season or two of swimming on Club trips, most spear-men feel justifiably confident of their ability to handle almost any fish, whether it be Kingfish, Jowie, Blueys or Carp. Sharks are nonchalantly dragged aboard Club boats by first or second season spear-men, so obviously rookie or novice spear-men can enjoy their measure of success. Nevertheless a spearman's technique is not complete until he can shoot (with reasonable consistency) the elusive pimperl of the sea, the Old Man Baldchin Gropser, Caggy and evasive the Baldchin will drift along 15-20ft. from your gun only to disappear around a cliff face just when you think he is yours. After surfacing and thinking he has gone he will appear from no-where, rolling on his side to watch you with what seems a saucy expression on his blunt face. Most top spear-men will agree this fish is the hardest fish in our waters, not only to shoot but also to land.

The first thing to remember is that a poorly shot Baldchin is a surely lost fish, therefore a well placed shot is vital. If this fish is hard to approach a long shot is most times the only way to handle him. I favour shooting from behind, up through his shoulder into his head. Baldchin will usually allow a man to follow him on the surface, provided no violent swimming is done. Always follow a moving Baldchin, keeping him just inside extreme visibility. Wait for him to hole up under a ledge, then dive from a position directly above. A drift is essential and take the shot as soon as he presents his head.

Another method that will sometimes work is to dive out of sight of your fish, then if you have enough wind wait for his curiosity to bring him to you. For the tantalising fish that stays just outside range while you "bust", a crawl will gain you many feet. This dive I favour most and it will, if successful, allow the above mentioned shoulder shot.

STANDARD PROCEDURES FOR DIVING.

- Safety Signals
- Procedures
- Search
- General Diving Procedures.

PROGRAMME FOR AUSTRALIAN SKINDIVING CHAMPIONSHIP.

- Dec 26th Open Camp
- " " 27th Practice Day and Opening Ceremony.
- " " 28th Open Pairs and Ladies Spearfishing
- " " 29th S.C.U.B.A. (Part 1.) Junior Spearfishing
- " " 30th Open Spearfishing.
- " " 31st S.C.U.B.A. (Final) and Mixed Pairs Spearfishing
- Jan. 1st Open Teams spearfishing & Presentation Night

HOW TO SHOOT FISH.

by Bernie Harbour.

With this issue I intend to go from one extreme to the other, you will find in turn with two fish which are respectively among the easiest and the hardest to shoot. The former will fall for almost any spearman a spearman chooses to use, while the latter will take the best spearman in the land to their utmost. Yes, you guessed it - the easy Carp and the cagey Balchin.

Finding the Carp, one of our most curious fish. The carp is truly called the "Jewel of the sea". A beautiful iridescent blue color makes this fish one of our loveliest. From a practical point of view it also makes it one of the easiest to spot and you will see the carp in many different types of country. Lurking deep in narrow, shallow water, on the top of a reef or a weed bed, in deep or shallow water, the carp seems equally at home and in almost all circumstances he is an easy mark. He will come in on a bait as readily as he will watch a spearman glide down with the drift, so take no chances with long shots, try to shoot him from as close as possible. If he frightens, follow him from the top as he seldom swims far.

The advantage of a close shot is that of killing with a head shot. Although the carp is easy to shoot he is hard to handle when badly shot; due to the sharp dorsal spines

Hope to see you there. (Don't forget THE "GROC")

Tickets available from T. Archibald, Box J731. G.P.O. PERTH.

Well members the time is again upon us when we must delve into our pockets and come up with that small but necessary sum of £3.3.0. As next meeting is due date for all subscriptions, please contact our able treasurer Lyn Jones, who will be waiting with hot little hands to issue the receipt.

That's all for now see you at the next meeting.

AUSTRALIAN S.C.U.B.A. CHAMPIONSHIPS 1962/63

December 29th and 31st.

DENMARK. W.A.

This event will be contested over two days and will consist of four tests :-

1. Theory.
2. Search.
3. Navigation.
4. Speed and stamina.

These tests will have an equal number of points. This championship is open to any member of clubs affiliated to the U.S.F.A. of Australia and contestants must conform to the rules of the competition laid down by the U.S.F.A. of Aust. & any local rules authorised by the Council of Underwater Activities of W.A.

The entry fee of £2.0.0. as imposed by the U.S.F.A. of Aust. applies. This entitles competitors all events in the Skindiving Championships.

Trophies. These will be available to the winners of the Open event and in addition, a trophy for the Australian Lady Champion will be available if at least FOUR lady competitors enter the competition. A trophy will also be available to the best team competing. A final list of these trophies will be made available to these championships.

Teams. Each state may nominate any number of teams of three competitors. These teams must be named prior to the start of the Championships. The points won by the individual members of the team during the open competition shall be totalled and whatever team has the highest points will be deemed the winner.

Theory and Navigation. The theory test and answers will be made up by Commander Batterbain R.N., and submitted in sealed envelopes to the officer in charge of the test and will be opened in front of the contestants. The actual distances and angles in the navigation will be made up by an independent person and will be available on the evening prior to the event. A qualified surveyor with helpers will then set the course prior to the event.

Air. Four units will be available at Denmark. A fee will be charged for this air. It is advised that owners of S.C.U.B.A Units bring decanting gear to suit their own gear. The bank of cylinders for decanting will be 220 cub. ft. cylinders.

Briefing. All competitors will be briefed and lots drawn for swimming positions on the night prior to the competition. After this, the competitors must not enter the water in the area in which the competition is to take place until his authorised time. If he does so he will be disqualified from the entire championships and forfeits his entry fee. All questions must be asked at this briefing. No information will be available after this.

Protests. As per Section (a) of U.S.F.A. of Aust. rules of competition.

Punctuality. If competitors are not ready to enter the water at their appropriate time, disqualification for that event will follow.

Judges. Impartial judges will be available at each event to make decisions should they be necessary.

As the warmer weather approaches, water work will be accelerated. This entails stamina swimming and search and navigation techniques.

This training squad is designed to teach these members what could be asked for in the championships. In other words, this is a concentrated course, especially designed to make members fit and capable of competing in the various competitions. If you are not a member of the squad, you can still enter the Australian Championships and win, but each member of the squad could have a better chance.

PHYSICS OF DIVING.

PRESSURE. What it is? How it is formed.

Atmospheric

Gauge

Absolute

Hydraulic

Partial Pressure

AIR.

What it is

Consumptions

Capacities of vessel at various pressures.

BOYLE'S LAW and its application to diving.

TESTING OF CYLINDERS.

Construction and operation of reducing valves and demands.

Care and maintenance of gear.

Hookahs. Air Filters. Capacities.

Decanting practice.

PHYSIOLOGY.

Effects of Pressure.

Air Embolism

Lung ruptures

Face and body squeeze

Pneumothorax

Caisson disease

Ruptures

Hypoxia

Oxygen Poisoning

Thoracic squeeze

Co2 build up & Hyperventilation

Medical makeup of divers

Effects of gases (symptoms)

Anoxia

they drilled 16000 feet to find - nothing! They closed off the hole and left it. Remains of equipment still remain. So does the road. What it cost to do all this is anybody's guess. Charles Knife was apparently the name of some American in charge of oil operations.

Coming back from the oil site, the view over Exmouth Gulf is magnificent. It was very decidedly a worth while trip.

We finished up at home with a load of fish, a dusty car and four tired, happy, and wiser members of that great band of Explorers, the Underwater mob.

S.C.U.B.A. TRAINING SQUAD.

This squad of energetic members of the U.E.C. and U.S. F.A. are now in steady training for the Australian Skindiving Championships at Denmark at Christmas time.

Every Monday and Friday 6.30 p.m. - 7.30 p.m. fifteen of these boys strip off into shorts and undergo a full hour of solid P.T. specially designed to make you or break you. Elaine Airey is a constant participant. Good on you Elaine.

The emphasis during these cold months has been on building up our stamina for sustained water work as the summer creeps towards us.

John Forde and Gwyn Hitchin our instructors know just how far a man can go before he passes out from sheer exhaustion. More sweat and grunts of anguish pour forth in that hour of torment than ever before. But amazingly enough the boys are taking it and enjoying it. Beware in two months time, any person who challenges anyone of these fit men.

Above all, it is going to put these members in the very fit class and give them all a very good basis on which to compete against the competition from the Eastern States.

Every second Monday after the P.T., a theory discussion class is held where subjects on the Physics and Physiology of Diving are discussed. These are attached below.

THEORY.

POINTS AVAILABLE. 100

(1) This will be conducted on the evening of the 29/12/62 at a time and place to be decided. No details are available on the questions to be asked as previously mentioned.

SEARCH.

POINTS AVAILABLE 100

(1) To be conducted at a place suitable prevailing to conditions at the time.

Starting time 9 a.m. Contestants will use the S.C.U.B.A. units. All gear apart from the divers own equipment will be provided. Arrangements will be made for blindfolding contestants and judges will be observing at all times. Each diver will be blindfolded and descend a shot line to a weight on the bottom in 10-20ft. of water. He will follow a distance line along the bottom approximately 40ft. where he will meet another weight or obstacle. He will attach a search line to this last weight or obstacle and will commence a circular search for 5 smaller tins. These tins will be within a radius of 30ft. from the obstacle. On finding these tins, or when his time has expired, he will roll up his search line, detach it from the obstacle or weight and return via the rope on the bottom of the shot line to the surface, where he takes off his equipment. He is allowed 10 minutes from the time he submerges to complete the test. When the time limit is up the judge will notify the contestant who immediately stops searching and returns to the surface by the ropes as previously mentioned. The type of bottom will not necessarily be selected for ease of operation. It will however be suitable for circular searching.

If the contestant surfaces for any reason at all during the test or does any act which in the opinion of the judges be unsportsman like, he will be immediately disqualified from that particular test, but may enter the others.

He can not have a second attempt.

During this test, all competitors will be kept away from the site of the test until called upon to commence their attempt. After competitors have completed their attempt, they will not in any way,

communicate with competitors awaiting their turn.

20 Points are awarded for each tin found.

NAVIGATION - POINTS AVAILABLE - 100

(3) To be held where suitable conditions prevail.

Starting time 9 a.m. Contestants will be required to take a bearing on a marker buoy and swim submerged on this course until he finds it. He then tugs it three times to signify this fact. He then works out a bearing on the finishing marker buoy with information he has at his disposal and again without surfacing swims on his compass to this buoy which he tugs three times to signify having found it. He then surfaces.

The information he will be given is the length of the two legs of the course and the included angle between the two legs. Exact distance and angle will be available prior to the start of the event. This will be provided by an impartial person.

Each contestant will tow a marker float for identification and will be allowed 12 minutes to complete the course. If he exceeds the limit he is pulled to the surface by a judge. He must not surface at any time except when he has completed the course or is pulled up by the judge. If he surfaces before he reaches the first buoy, he is disqualified from that event and cannot have a second attempt. If he surfaces after reaching the first buoy, he retains whatever points he has gained on this attempt, but is disqualified from the rest of the event.

Contestants must carry their own gear, but are not allowed any equipment that may help them in the contest.

Watches are forbidden.

Compasses. Contestants may use their own compasses if passed by the judges. A compass will be available to those needing one.

having called in for some refreshments to the Lefroy's Station at Exmouth Gulf.

The campsite was then on, alive with activity. Eric and the boys took us out in the dinghy and we dived and fished.

That night after the evening meal and some cold beers, we passed out like lights. The four of us did not stir until 7 a.m. next morning.

The Saturday and Sunday was spent in diving, fishing, playing, sightseeing, driving and collecting shells and photographs.

Dugongs, turtles, oysters, 14 foot hammerhead sharks, other sharks, grouper, state record black-spotted cod (Harold) a variety of fish too numerous to mention and on the completion of each day, a few beers, a good meal, and a rest that could not be disturbed by an atomic bomb. This was living.

The most interesting part of the trip was a drive up the Charles Knife road in the Rough Range near Learmouth. It was near here that the oil was first discovered.

Apparently the oil experts predicted that at a certain point in this inhospitable and precipitous range of hills 1300 feet high, a large area of oil existed and it needed only to be drilled to 1600 ft. to tap this source. However, to get the rigs and equipment up there, meant making a road 5 miles long up and over the cliffs, steep incline and sharp ridges.

In typical American fashion, the Yanks got to work with theodolite and compass, bulldozers and trucks and carved, pushed, filled in and finished up with a gravel road just wide enough for a vehicle to travel along it. At times, a drop several hundred feet straight down appeared within 3 feet of the edge of the vehicle.

This road finished up on the top of the range, a flat area that in summer must be around 150degrees in the shade. Here

An attendance book will be at Base each week and each instructor is required to sign his or her name on arrival, so that their instructing hours can be registered to their credit.

1800 MILES FOR THE WEEK-END. by the Beachmaster.

Recently John Carrie had a dream. A dream that worried him for two weeks after Eric Corser and company had gone up to Yardie Creek near N.W.Cape for his annual months holiday.

It was so vivid that one Friday afternoon during the usual little business conference that is held by interested parties at the Leederville Hotel, John told us all. He dreamt that he went up to Yardie Creek, 900 miles north of Perth, and joined Eric for the weekend and came back loaded with fish.

In the pleasant haze that accompanies this type of activity in hotel bars, it was discussed at length and worked out that if we left Perth at 2 p.m. on Thursday, we would arrive on the site 22 hours later if we kept driving. This would give us all Saturday and all Sunday there, and if we left Monday 6 a.m., we would be back in time for work on Tuesday morning.

We made a decision ! We decided that John, Mike Minchin, Reg Evans and Harold Roberts would go in Harold's new vehicle, subject to a change of plans next morning when things were not so rosy and possibly a trifle clearer.

Next morning, the idea sounded even better than the night before. It was on !

To cut a long story short, we left at the appointed time, drove all that afternoon and night, with only a stop for coffee and toast in Geraldton and the necessary refueling time. We duly arrived at the campsite at 2 p.m. after

Points. 50 points will be allotted to those contestants who reach the first buoy and signify it by pulling it three times. 50 points in addition will be allotted to those contestants who reach the finishing line buoy and tug it three times within the allotted time of 12 minutes.

Punctuality. Contestants will enter the water at their allotted times and positions as drawn the previous night. After the competition starts, no contestant will be allowed to converse with others awaiting their turn after he has finished his swim. If any contestant holds up proceedings in any way detrimental to the programme he will be asked to withdraw from the event by the judges.

SPEED AND STAMINAPOINTS AVAILABLE 100

(4) Each contestant without any equipment, will run 100 yards along the shore, swim 100 yards to a marker buoy in 10 ft. of water, duck dive down to retrieve his flippers, mask and snorkel on the bottom and proceed to put them on while on the surface. He then swims to an anchored boat in 30ft. of water and proceeds to complete as many free dives to the bottom as he can in the time. He is allowed 10 minutes from start to finish. When the time is up, the judge will advise the contestant.

POINTS.

5 points allotted for each completed dive to 30ft.

Maximum points ... 100

STATE S.C.U.B.A. TRAINING SQUAD.

Training Programme. (Subject to alteration at any time.)

Sunday	9/9/62.	10 a.m. Naval Base Groyne (Marathon Swim)
Monday	10/9/62	8 p.m. C.W.D. Youth Centre. Theory.

Friday 14/9/62 8.30 p.m. U.S.F.A. Ball. (Fitness Test)
 Saturday 15/9/62 2.00 p.m. North Mole - Stamina
 Sunday 23/9/62 10 a.m. Pt. Peron Caves. (Bring Lungs)
 Rendezvous corner Safety Bay & Pt. Peron Roads.
 Monday 24/9/62 8 p.m. C.W.D. Youth Centre. Theory
 Saturday 29/9/62 2 p.m. To be decided by squad
 Sunday 7/10/62 10 p.m. To be decided by squad.

In addition to these dates, every Monday & Friday at the C.W.D. Youth Centre, at 6.30 p.m. P.T. This will be going on till the championships.

The Committee has set the following dates aside for boat trips during the Summer Season. As yet the destination of those boat trips has not been decided, but the committee will advise this in the near future.

BOAT TRIPS.

28th October, 1962	25th November, 1962
23rd December, 1962	27th January, 1963
24th February, 1963	24th March, 1963.

28th April, 1963.

TRAINING BASE ROSTER FOR INSTRUCTORS - 1962 - 63.

Roster is made up until December. Commencing date September 30th, 1962. If any diver is unable to attend Base on date notified, please ring O.C. of training base W. Woodward 71-4876 early, so that arrangements can be made for another instructor to take his place.

EXTRA DIVERS ALWAYS MOST WELCOME.

Starting time ... 9.30 to 1.30 p.m.

September 30th Dr. G. Weaver. H. Roberts. J. Margetts. B. Luscombe.
B. Manwaring. B. Brenzi. M. Head.

October 7th Dr. W. Dow. A. Ottey. A. Robinson. R. Sly.
(ROCKINGHAM) G. Evans. Miss Airey. D. Parker.

October 14th. Dr. Hainson. C. Firmin. J. Margetts. Miss Hurse.
G. Evans. B. Pink. C. Bowman.

October 21st. Dr. Weaver. K. Kennedy. M. Scott. B. Luscombe.
D. Hunt. G. Brenzi. M. Head.

October 28th. BOAT TRIP DEPARTS 8 A.M. FREMANTLE.

November 4th. Dr. Dow. L. Jones. A. Robinson. D. Gilmour.
B. Manwaring. C. Firmin. R. Sly.

November 11th. Dr. Hainson. L. Cohn. K. McMahon. H. Dagnia.
D. Parker. P. Ponsford. M. Scott.

November 18th. Dr. Weaver. G. Hitchin. K. Kennedy. D. Hunt
G. Evans. J. Walden. B. Pink.

November 25th. BOAT TRIP DEPARTS 8 A.M. FREMANTLE.

December 2nd. Dr. Dow. H. Roberts. R. Manwaring. A. Robinson.
J. Margetts. G. Brenzi. L. Jones.

December 9th. Dr. Hainson. G. Hitchins. J. Carric. A. Ottey.
K. McMahon. M. Minchin. J. Masters.

December 16th. Dr. Weaver. J. Carric. A. Robinson. C. Firmin.
M. Minchin. L. Cohn. H. Roberts.

December 23rd. BOAT TRIP DEPARTS 8 A.M. FREMANTLE.

our worthy Club President had to seek medical attention which resulted in Len being advised not to make the trip and had to reluctantly return to town.

Weather conditions were ideal when Mike Scott, Lyn Jones, Colin Firmin, Wally Woodward, and I arrived at Garden Island.

A Manta board search to a predetermined plan, based on information gathered from some of the older members of the club, was set in motion. We started by covering a course parallel to the shore line, about a mile in length, starting in the shallows and extending seaward with each run.

Visibility was limited to 4 or 5 feet in the shallow water, but as we moved to deeper water it increased to some 15 feet or more.

About two hours after we got under way, Wally who was more than a little cold, signalled that he had struck pay dirt. Maybe it was the cold or perhaps it was the thrill of success that made Wally claim that he had just qualified as the fastest man ever to trail on a Manta board. The fact is of course that we never did more than 6 or 8 knots at any stage of the game.

Further interest was added to the show when I went down to confirm Wally's findings and found a school of sea Kingies in and about the wreck. With the only speargun on board we each bagged a large sized fish.

The next move was to the island and a very late lunch. It was here, with the aid of a borrowed pencil and some scrap paper, that a rough chart was made of the area in which the wreck was found.

On the way back to Palm Beach the sea was so calm that Lyn Jones, who was sitting on the roof of the cabin, sighted some rusty material on the bottom in 25ft of water. A closer investigation of this find showed that it was part of the wartime submarine boom defence set-up.

The sum of £1.5.0. was collected towards the funds of Miss Carol Phillips, our nominee for the Queen of the Sea Competition.

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PRESIDENT'S REPORT

Once again our club has left an excellent impression in the minds of the public, who attended the display at Rockingham on Sunday 7th Oct. Although the crowd was small, all those that did come down and joined in the activities of the day, seemed to be pleasantly surprised by the displays both in and out of the water, arranged and conducted by our club members.

Albert Ottey's commendable feat of successfully raising the anchor from the hulk of the "P" was certainly a draw card for the day, then to top it all off Quick Draw Jack Marquetts won the trophy for the largest fish caught during the competition. To these two stalwart club members I offer my congratulations for efforts well done. (We could have the nucleus of a spearfishing team for Australian Championship in our group)

The tent display the combination of many members efforts was a credit to this club, the U.S.F.A. of W.A., and other bodies participating.

Those members that were not able to visit Rockingham missed an educational and interesting display.

To those members who assisted, I offer my deepest thanks. I am proud to be associated with members that "glowed" with such team spirits as all of these boys that jumped into and completed the work before and after the event.

It seems that we have before us the controversial question of the wreck, relocated by members several weeks back, as to whether it is the "Rockingham" or some other hulk. It would make a worthwhile project for interested members to establish definite details of "our" wreck, namely length, width, depth, construction details, timbers used etc., and check with records in this state and overseas, until we can establish without a doubt the positive identity of this ship.

There are many interested people in Rockingham that would appreciate this investigation to be carried out. What about it?

S.C.U.B.A. TRAINING SQUAD.

NAVIGATION. Essentials for Practice.

1. Ability to take bearings with a compass whilst standing on firm bottom and whilst treading water in rough water.
Practice. Use club compass and at any point, take bearings of objects and set compass to swim on this course; get some person to check you.
2. Ability to swim on a course with a compass.
Practice. Take a bearing of an object and practice swimming on surface with snorkel and making sure compass does not swing erratically. Make certain that you still keep an eye around you for objects. Don't glue your eyes solely to the compass. After this practice, try with a unit along the bottom.

REMEMBER. If you find you are out in your direction, don't blame the compass --- blame yourself!

I must at this stage point out that I do not bring into this article the professional diver. His qualifications must be of a more technical nature. I talk only of sport divers.

Instruction on more advanced techniques is a specialist undertaking, and includes such things as search, deep diving, navigation, photography, wreck and reef exploration, biology, geology, conchology and night diving, to name some of the most popular.

This usually involves a great deal of work by the individual with co-operation among the more experienced divers, or if they are not available practice and experimental work by the person or group concerned. Unfortunately for general knowledge along these lines, there are far too few people willing and interested enough to devote their time and energies to these activities. Most of the divers are shown how to dive and they then expect to be entertained in diving. In other words, they want everything placed in their lap, mothered along, without any co-operation from them in return. This, unfortunately, places a great deal of responsibility on older members' shoulders, so much so that the old members fade out of organised activities to relax and enjoy their privileges and experience in pleasant diving in small groups.

Competition work is rather difficult for advanced divers in so far as the scope is limited. However, a great deal of thought is being utilised to make this side more attractive. West Australia has led the field in this research for some time, and I hope will continue to do so.

WRECK OF "ROCKINGHAM" REDISCOVERED.

by Albert Ottey

The club outing on the 19th August centred on a manta board search for the wreck of the "Rockingham" in Port Royal, which is better known as Careening Bay, at Garden Island. According to information to hand, this wreck was located by U.E.C. members in 1956 but its position was not firmly established.

The departure from Palm Beach was slightly delayed when

This exercise is very important and it should be practised for some time so that the pupil knows exactly what he is experiencing. He must practice it with and without mask, with and without flippers in order to gain complete mastery in this exercise.

With this knowledge clearly imprinted on his mind, and with the confidence completely gained, what follows is purely and simply a series of tests to check if in fact he has mastered the first basic techniques of breathing underwater in various circumstances.

These tests assume that he is with his "buddy" during a dive and he is called on to render assistance if his "buddy"'s equipment fails. Other tests also show him how to handle his gear whilst under water.

The "buddy" system must be implanted in his mind during training. He has to learn to rely on his partner at all times of difficulty. There have been many lives saved by this very golden rule of diving.

Having mastered these tests, he is ready to go further. He can begin open water diving with the equipment on which he has been trained; and he also knows whether or not he should invest in some equipment of his own. He should be quite safe for normal diving, and it is only with this basic training behind him can he gain the necessary experience under most conditions of diving to eventually become a seasoned sport diver.

Unfortunately, there are some people who assume that because they can master the elementary techniques efficiently that they are accomplished divers. They are dangerously wrong. It is ONLY through experience can they achieve success. This experience entails knowledge of diving in various depths, visibilities, currents, different types of bottom, blind searching, mud experience, encounters with sea creatures (sharks especially) and the like.

3.

Ability to judge distance.

Mark out a straight course for 100 yards between two points. Stretch a cord along the bottom. With a lung on you practice swimming normally along the full length of this line and time yourself by watch and count your flipper beats over the distance. Repeat this a number of times so you can strike an average. Also remember that over a distance of 200 yards you tend to get tired and may flip slower.

Net result of these practices.

You should be able to take a bearing on a given point at a given distance away and swim along the bottom by compass and by judgment of distance and land exactly on the mark.

NOTE. In the championships, watches are now allowed and currents will probably not be evident.

Search.

If you understand the championship event, all you need to practice is the ability to proceed along ropes and do things blindfolded. You should be able to do this confidently and in a short space of time.

Set up a search line at home in the dark and practice the event in the comfort of your home. Remember... NO CHEATING!

Speed and Stamina.

You all know the competition in the championships. Practice free diving with and without basic gear. Practice swimming and the art of recovery and relaxing yourself. For the 30ft. dives, remember you cannot use lead belts.

REMEMBER..

You probably can't better your 100 yard run or swim by much, but you can better the ability to save valuable minutes by your art of free diving and putting on your gear.

Theory

In the U.E.C. news you have had a revised version of items we have been through. Swot up these as best you can.

Now after having read this, why not pair up and organise yourselves, instead of putting aside special days for practice.

BASE TRAINING SCHOOL.

Base training school was officially opened 30th Sept., and with a fine sunny day and six new learners, showed good promise for a successful new season. For the benefit of all instructors, a list of new rules for the school has been drawn up and it is hoped that these will be rigidly observed for the benefit of both Instructors and learners. If we all keep to these rules and purposes there is no reason why the season should not run smoothly and efficiently.

INSTRUCTORS.

1. Instructors reporting to Base will sign attendance book on arrival, and times will be credited to total of times attended.
2. Instructors will take one learner only into the water at a time, and must remain at all times with his pupil for that period.
3. A time limit of 30 mins (or part of) per period of training is the maximum time allowed each learner at any one time.
4. Experienced trainers will cover both Initial and Advanced training. New trainers will train Initial learners for a probationary period, then at the direction of the O.C. of Base or designated Senior A Class instructor be advanced to training both Initial and Advanced learners.
5. If any instructor finds a learner unable to follow instructions and is difficult to teach, he is not to take any unnecessary risks. He is to report back to O.C. of Base with the learner for further instructions.

It is usually found that after he has some practice in this depth of water of clearing his demand valve and mask, exchanging masks with another diver etc., he is ready to go through most of the more advanced training and tests very readily.

Everything depends completely on his first few hours in shallow water. If a new pupil gets a fright during these first critical hours, he finds it hard to master more advanced exercises.

At this point of his training, the pupil should be taken for a little demonstration by the instructor. This consists of taking off the mask and replacing it with the strap hanging down. After clearing it, the water pressure keeps the mask in place (provided no excessive snorting of air through the nose takes place). This demonstrates what happens if a strap breaks. Then divest yourself of mask and flippers and swim around in this manner for a time. This shows the pupil your supreme confidence under these conditions. Free ascents should then be demonstrated, first a normal one, then one without the mask, and then one without mask and flippers - in each case return to the bottom to replace the gear before doing the next exercise. It must be clearly explained why and what you are demonstrating in each case.

When the pupil feels confident about tackling further tests, start him on free ascents. He should already have told the instructor why this method of ascent is no necessary, and most important of all, what would happen in the case of a free ascent while holding his breath. He must clearly understand that lung rupture, with subsequent fatal effects could result in not knowing the proper method.

During these ascents the instructor should make sure that when the demand valve is taken out of the pupil's mouth, he holds it clear of the mouth so that exhaled bubbles on ascent can be clearly seen by the instructor.

position he can go through the next phase of clearing demand valves and face mask of water. This last exercise is where they have the most trouble, and it is during this that he should be able to quickly recover and stand. It is also in this that the instructor should be patient. During these tests, the pupil's eyes hurt through contact with the water. The instructor should realise this and make certain it is not overdone. When he has had enough, let him swim around on the bottom - still in 3' of water - with flippers and mask on; let him enjoy this pleasure and sensation. He is also getting useful time up in developing his breathing rhythm and building up his confidence.

Now comes the most important part of the routine - the practicing what he has been shown. Clearing the demand valve, clearing the mask, and added to this, the exchanging of these with another diver. Once he has complete confidence in this, he is ready for the deeper water.

The deep water instruction must be done very carefully, and only after having told the pupil what sensations he could experience in his ears; how to "clear" his ears; the dangers of going deeper if his ears, or ear, hurt; together with a system of signals between pupil and instructor. It has also been assumed that the pupil has learned some of the theoretical problems of diving in his spare time. An oral test should be given to check his knowledge at this stage.

The greatest depth for this preliminary deep water instruction should only be 10 - 15 feet to teach him how to "clear" his ears and get the sensation of swimming and breathing at this depth. It is in this depth that he gains most confidence. This is usually brought about by the fact that he has mastered certain exercises in shallow water and has had success in ensuring his ears are suitable for deeper water.

- (6.) If any instructor desires any information regarding training methods see O.C. of Base.
- (7.) An instructor must always be on the alert when going into deep water with learners. Make sure the learner can equalise the pressure properly, and understands that he or she MUST NOT hold their breath while ascending. Explain the effects of doing so every time a test is taken, so that it is instilled in the mind.
- (8.) Always play safe in the event of trouble in the water. Rise to the surface immediately, and give the signal by holding hand straight up in the air. Call out if possible and assistance will be immediate. Do not leave your spot of trouble as direct approach to spot can save time in reaching you.
- (9.) Instructors are to sign off any tests passed by learner on day of completion.
- (10.) If unable to attend base at time allotted, please ring W.Woodward at 71.4876 as early as possible so that arrangements to procure another instructor can be made.

Thanking you,

O.C.Training Base.

LEARNERS.

Any person desiring instruction in Diving with Air, must report to the O.C. of Base and he or she will be given full particulars.

A fee of 5/-d. is the only cost of learning.

The learner is required to show a Doctor's certificate; to show that he is in good health.

He or she must have his own face mask, snorkel, flippers & lead belt.

The base is equipped to train pupils from non-divers to A class divers.

Each learner is given individual training by an "A" class diving instructor.

A pupil must follow as close as possible the instructions of the instructor while under instruction, and must stay close to instructor at all times while being instructed in the water. This will insure the learner of a maximum of safety.

A learner must make sure that his instructors have signed the tests that have been passed.

Any learner causing trouble or playing around to the detriment of other divers will be cut off the training list. Remember your instructors are doing the job voluntarily and at no personal gain to themselves. They want to impart their knowledge to you, so help them to help you to gain efficiency in this great sport of skin diving.

THE "REDEMPTORA"

by the Beachmaster.

Recently Michael Scott showed Roy Devitt and myself the remains of a wooden vessel in 4ft. of water at the Naval Base.

This was quite a puzzle, as there was no indication of any vessel being wrecked at this point. Our only leads was that pieces of coal were laying in the timbers and that she had obviously been burnt. The timber was nothing that could be easily recognised. Usually teak or oak were used in old vessels.

I have just had the pleasure of meeting an old identity of Fremantle; Mr. Fred Sweetman, who is 81 years old. Mr. Sweetman was for many years in the Harbour & Lights Dept. and the skipper of the Lady Forrest.

I mentioned this wreck at Naval Base to him, and he opened his eyes immediately in recognition. He remembers the "Redemptora" being used as a coal hulk in Careening Bay and she was finally towed over to Clarence (Naval Base to us) and beached. Here she was burnt and remains to this day.

and say "Go on brother, breath normally and take it easy". I defy any beginner to be happy under these conditions. Unfortunately, a good instructor, like a good diver, is either a "natural" or gets it by experience over a long time. They are, for this reason, fairly difficult to get. I have heard pupils say quite openly that they are happy in the water with some person, but cannot do any tests properly with someone else as instructor. I distinctly remember my flying training in the Air Force. I was supremely confident with certain instructors, but others just did not put me at ease and allow me to do my best.

The ideal training place is where the water is clear, and with depth varying from 2' to 35' for preference. It is a great asset to have something of interest such as a reef in this area where the newcomer can amuse himself by poking around the little nooks and crannies, and therefore take his mind off his efforts of breathing underwater.

I have seen this very well illustrated on 100ft. dives when a beginner does his first deep dive. He has been apprehensive getting into the dark blue forbidding depths. On going down however, this apprehension is partially forgotten when he sees something of interest on the bottom, especially if there are fish and caves among the reef below.

The shallow water is necessary for a recruit to master his confidence prior to proceeding into deep water. This is the method I have found to be most suitable. After having demonstrated to the pupil how he uses the demand valve, and how to prepare his face mask prior to entering the water, he is put into shallow water without flippers and told to sit or kneel on the bottom and lower his head into the water. He does this knowing full well that he can easily regain his feet should it be necessary. Trying to stand up or walk around on the bottom with flippers is difficult and cumbersome.

There then, is the pupil in 3' of water, mask on, demand valve working and sufficient lead in his weight belt to keep him comfortable sitting on the bottom. In this position he can go through the next phase of

NEWS FLASH.

Owing to the fact that the next scheduled boat trip on the 25th November, clashes with the long weekend and the trip to Ledge Point it was decided by the committee that the boat trip be cancelled. An alternative boat trip was suggested but as yet we have been unable to procure a boat.

Any further news on this subject will be notified in the near future.

U.E.C. EXHIBITION.

An exhibition by our club at the NORTHAM SWIMMING POOL on the 9/12/62 at 2.30 p.m. has been arranged to give the Country public an idea of our activities and aims.

Would ANY interested "A" Class divers who would be able to assist please contact either myself or the Secretary as soon as possible.

GENERAL MEETING 19th November, 1962.

Farmers Union Building 8 p.m.

A large attendance please.

Training Roster.

- 18.11.62 Dr. Weaver, G. Hitchin, K. Kennedy, D. Hunt, G. Evans,
J. Waldon, I. Pink.
- 25.11.62 Cancelled Boat Trip.
- 2.12.62 Dr. Dow, H. Roberts, R. Mainwaring, A. Robinson,
J. Margetts, G. Brenzi, L. Jones.
- 9.12.62 Dr. Haimson, G. Hitchins, J. Carrie, A. Ottey, K. McMahon
M. Minchin, J. Masters.
- 16.12.62 Dr. Weaver, J. Carrie, A. Robinson, C. Firmin,
M. Minchin, L. Cohn, H. Roberts.

NOTE: Any member unable to attend training duties, please contact O.C. Training Base without fail. Thank you.

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O.C.T/B : Mr. Woodward as above
EDITOR : Mr. C. Firmin, 75 Tenth Avenue, Inglewood. Bus. 21.9541 -42

PRESIDENT'S REPORT.

From all over the world comes information of the increasing interest in underwater activities.

In Canada we find divers, laymen like ourselves, discovering the remains of an old schooner, in France, Capt. Jacques Cousteau is preparing to establish a self-sufficient underwater community and in this State we have all our underwater fraternity preparing for numerous events and discoveries.

The divers keen on competitive work have a demanding but rewarding program set for them and it is most obvious that several have intentions of taking off titles in the forthcoming championship at Denmark. Explorers are hunting through old records, compiling reams of information, interviewing early settlers and their relatives, trying to establish clues that will lift the veil from age old mysteries the likes of the Gilt Dragon, the Wannarup Estuary Vessel, The Batavia, etc.

(Page 1.)

Others are investigating methods for making our sport safer and more pleasant. Research is going into new equipment, techniques, training and safety precautions in and about the water.

WHAT ABOUT YOU?

Have you an interest that you feel warrants a club effort, if you have we want to hear about it.

This club was founded for the advancement of diving and diving techniques in Australia. We have had a fine record of previous achievement, but let us now rest on our laurels. Next month brings to our state many visitors from overseas and interstate, and with them enquiries on and about underwater activities. We must show them that this State has led and is still leading Australia and perhaps the world, in our sport.

Let us work as a club towards this aim.

To survive, a club must have support, just as a limb must have blood or it will wither and die. The trend today it seems is to break away from the main group, establish small cells and pursue your own interests and damn the club. Let us adopt the attitude that we are a club and work as such. Your committee needs your grumbles and complaints, for without the knowledge of their existence we cannot rectify.

AUSTRALIAN SKINDIVING CHAMPIONSHIPS.

DENMARK.

Dec. 26th - Jan 1st.

Progress by the special committee has been good. Finance has been mounting up very well. For this we give credit to the "Queen of the Sea" contest.

Letters are rolling in now from Eastern States boys and the Denmark people are nearly ready to go.

Certain details are still worrying the committee, but these should be solved.

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WRECK OF THE S.S. MACEDON.

Built in 1870 in Liverpool, U.K. Length 220'6" Beam 29'8"
Nett tonnage 532. Gross Tonnage 826.

On the 21st March, 1883 at 4 p.m. the S.S. Macedon left Fremantle on her Maiden North-West trip for a survey of the North-West area by the Surveyor General of Australia and his party. Just prior to departure Capt. Craig was asked by members of the Rottneest Board of Control whose vessel had broken down if they could be towed to the Island. Captain Craig consented and after much waving of flags and farewells, the ship got under way.

After dropping off the towed vessel, Capt. Craig set a course for the open sea little realising that the Transit Marker Buoy had been washed away by a storm the previous evening and the Macedon struck the Transit reef at 6 o'clock and stayed fast. All passengers (50) and horses (50) were transferred to lighters and transported to the Island together with the mails and Specie and Bullion of the Union Bank.

At 6 a.m. the vessel was refloated and reversed away from the reef only to run stern first into another nigger-head. This time the damage was irreparable and the Macedon began to sink stern first. Much cargo was salvaged and the vessel finally sank at 4 p.m. on the 22nd March, 1883.

For Interested Divers.

Cargo ... 200 tons consisting mainly of stores (foods) Govt. stores for the North-west. Surveying equipment (Sextants, tripods, quadrants, compasses, etc.) liquor (various) crockery and 300 tons of coal.

50... (Quote) "the bells and paraphernalia of the Lynch family" (Where are they?)

It was also quoted that bullion belonging to the Union Bank went down with the ship but somehow I feel that there would have been considerable attempts to salvage this item.

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One big problem that some member may be able to help in is the transport of some heavy C.I.G. cylinders and marquees to Denmark. This should arrive in Denmark by about the 21st or 22nd of Dec. Can any member help? Is there a truck available? Please contact Harold Roberts at 28.1451 or 8.1322. Harold is the organising chairman for the championships.

TROPHIES FOR THE S.C.U.B.A. CHAMPIONSHIP OF AUSTRALIA.

<u>EVENT.</u>	<u>TROPHIES</u>
OPEN SCUBA CHAMPIONSHIP	R. Wallace Mitchell Trophy Australian Divers Coy. Trophy.
SCUBA THEORY	Normalair Trophy
SCUBA PRACTICAL	See Bee Trophy
LADY SCUBA CHAMPION	Normalair Trophy
SPEED & STAMINA TEST	Allan Robinson Trophy

In addition to these listed are a pair of Flippers from R. Wallace Mitchell and a further trophy from "Airdive Equipment Pty.Ltd."

OUR FIRST BOAT TRIP. by Wal. Woodward.

On Sunday 28th October, we held our first boat trip for the season, the trip was to the wrecks of the Macedon and Denton Holmes. Calm seas, a warm sunny day, and a good roll up of 29 was the essence for a good day's diving.

A Warm welcome was given to Walter Murray who is visiting Australia on leave from the Canadian Air Force. And Dick Moore late of the British Sub Aqua club, and several members from other clubs who helped to make it a good day. We hope you like our diving trips, and hope to see you again.

<u>Team 2</u>	<u>Halfway time - place</u>	<u>Finish time-place</u>
J. Yermans	11.22 15th out	
R. W. .	out cramp	
R. Kreuzer	11.09 10th	1.07 8th.
<u>Reserve.</u>		
B. Fraser	11.06 7th	12.57 7th.

Three F.I.S.H. Club competitors finished.

Placings of all those who finished.

1. K. Ridley	(FISH) Time: 2hrs 40 min.
2. L. Jones	(UEC) 2hrs 41½ min.
3. J. Carrie	(UEC)
4. M. Minchin	(UEC)
4. H. Roberts	(UEC)
4. W. Woodward	(UEC)
7. R. Fraser	(FISH)
8. R. Kreuzer	(FISH)
9. E. Airey	(UEC)
10. R. McKay	(UEC)

VICTORS: U.E.C. !!!!! !!!!!!! !!!!!

NEWS FLASH Word has just been received by this department that the Recompression Chamber has at last been received and completed and will be tested by members of this committee in the next week or so. Details of tests will be passed on to members as soon as possible.

GRUMPY'S AND GROANS SECTION.

(dues no news)

At this date only 42 members are financial and it has been a practice in the past and will remain so in the future, that unless a member is financial he or she will not receive a copy of the News. Please keep this in mind if you do not receive next month's issue.

Events were plentiful during the day. Reg Sanderson showed us how easy it was to go through a window without opening it. Many thanks to Robby Robinson, the owner of the speedboat who ran Reg. and Dr. Weaver to Rottnest, to stitch the nasty cuts (7 stitches) and thanks also to Dr. Weaver.

Colin Firmin and mates had quite a field day of the Macedon, and came back with quite an assortment of bits and pieces including some very nice porcelain mugs. Have always known Colin to be fond of diving, but can't for the life of me understand why he fully clothed, including watch, should suddenly jump into the water like he did on Sunday, but by the look on his face he did not appreciate it, but by the laughter everyone else did, Colin.

Some big fish were seen, but although no-one believes me I had the bitter disappointment of missing a big Dhu fish of about 40lb. the big ones always get away. The cord wrapped itself around the reel when I fired and jammed, I tried to re-load very quickly, but the fish didn't give me a second chance.

Some of the boys managed to get some nice crays, nice going, Jack Fargetts as usual managed to get 2 nice Skippys and a Dhu fish good for you Jack.

All those of the fairer sex on board seemed to be enjoying themselves, sunbathing and swimming, glad to see that their numbers are growing. Carole looked nice in her onepiece swim suit, can swim like a fish too. Can't help noticing how the boys behave themselves when the ladies are present. You must be a good influence on the boat trips girls, keep coming.

Well all good things come to an end, and after an excellent day of diving and scrounging among the wrecks we headed for home, the water was a bit choppy as we left the Island, and I noticed Ralph McKig, Lin Jones and 2 or 3 others parting with their lunch (ugh) never mind I know others who can't take it either.

Here are the actual results.

Team 1.	Halfway		U.E.C.	
	Time	Place	Time	Place
J. Carrie	11.00	4th	12.40	equal 3rd
L. Jones	10.56	2nd	12.27	2nd
M. Michin	11.01	5th	12.40	equal 3rd
<u>Team 2.</u>				
G. Hitchin	out cramp near start of Dolphins.			
W. Woodard	11.09	8th	12.53	equal 4th
H. Roberts	11.09	9th	12.53	equal 4th
<u>Team 3.</u>				
E. Airey	11.21	13th	1.25	9th
R. McKay	11.21	14th	1.25	10th
D. Woodward	11.21	12th	--- out soon after, cramp.	
<u>RESERVE.</u>				
G. Evans	11.01	6th	--- out at 4 mile mark	

Seven U.E.C. Competitors finished.

F.I.S.H. CLUB.

Team 1	Time	Place	Time	Place
K. Ridley	10.55	1st	12.25	1st.
R. Mye	10.57	3rd --- out		
B. Stewart	11.20	11th --- out.		

At about 5 p.m. we entered the harbour and so finished a day of good diving and good company. Here's hoping the next boat trip will be just as good.

SAFETY OFFICER'S REPORT.

It was noticed on the last boat trip that several divers entered the water before the boat had anchored. Apart from the long swim it gave to the culprits it can be a dangerous action, as the boat was still under power, this MUST STOP in future. Divers MUST NOT enter the water until the boat has anchored and the motors stopped.

Several spear guns were also left in dangerous positions and with no head covers on. This was mostly caused by new members who were not aware of the rules laid down for the care of spear guns on boats. All spear guns and hand spears must be stacked at a designated spot on the boat on arrival and re-stacked on the homeward run. Speargun heads and hand spear heads are to be removed or a suitable cover placed over them if the heads are permanent fixtures. Members, please look to this as a tragedy could quite easily occur with exposed heads laying about in a lurching boat, which could throw a diver off balance.

Our list of rules will be posted up on the next boat trip for new members to read and digest.

NEWS FLASH All members who are able and willing to undertake to teach members of the "Dolphin Club" in the gentle art of S.C.U.B.A. Diving are asked to contact the O.C. Training Base - Wally Woodward either at the training base or at his home telephone No. 71.4876. as soon as possible.

This is urgent as a list of instructors must be drawn up and training started.

W.A. SPEARFISHING TEAM.

The C.U.I. is running a series of elimination trials to pick a team of top spearmen to officially represent W.A. at the skindiving championships at Xmas time. This teams

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U.E.C. V. F.I.S.H. CLUB CHALLENGE

SWIM.

by "Beachmaster."

21st October, 1962

Garden Island- Woodman's Point

Under very good surface conditions, this challenge swim was conducted with good results for the U.E.C. It is with some satisfaction that our members more than upheld the honour and prestige of our club. My thanks to the boys of the F.I.S.H. Club for providing such good competition and boats to watch over the swimmers. Everything went well and good ties between the clubs were cemented.

My message to Bernie Harbour is "I told you so! "

If in future, any club thinks that the U.E.C. is a club of old blokes who are losing their punch, just try us.

Eric Corser provided his M.V. "Huntriss" for a judges boat. Reg. Evans, Peter Donaldson, Bill Scott, John Grey made their faster craft available as patrol boats. Our thanks to these men for their co-operation. Our thanks also go to the blokes with field glasses who kept their eyes on all swimmers.

Ross Cusack from "Outdoor Life" covered the swim and an article and photos will be seen in their next issue. Ross acted as official judge and time keeper.

To all those swimmers who entered the water, whether they finished or not, good on you and thanks. All the teams representing the U.E.C. swam except one. Our winning team of John Carrie, Mike Minchin and Lyn Jones are to be congratulated on a mighty effort. I believe the Scotch Whisky donated by Roy Fuller was delightful. Thanks Roy.

Each U.E.C. member who finished the distance are to be congratulated. From the first one, Lyn Jones, to the last U.E.C. in Elaine Airey and Roland McKay, need a good pat on the back.

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expenses to Denmark will be financed by the C.U.A. Any person who does not qualify in these trials can still participate in the Championships. These trials only select the top few.

Any queries to Bernie Harbour at 7 Petra St. Palmyra, or ring him at 39.1496

The heats will be on the following dates and venues :-

NOVEMBER 18th...	AUGUSTA
NOVEMBER 25th...	PERTH
DECEMBER 9th...	ALBANY
DECEMBER 16th...	PERTH

S.C.U.B.A. TRAINING SQUAD.

On Sunday 11th November at 9 a.m. this squad and any other interested person, is conducting a navigation test and speed and stamina test down at the Training Base.

The Navigation will be a simple one to give members some idea of taking bearings and judging distances.

The Speed and Stamina will be the same as in the Australian Championships. The club compass will be available but please bring your own "Lungs" - Any queries please ring Harold Roberts. 28.1451.

Editors Note. For the benefit of the large crop of new divers and interested friends this should be a good demonstration to watch. The Training Base (for those who are unaware of its locality) is on the Naval Victualling Jetty at Woodman's Point.

AFTERMATH.

It has already been reported that the winning team John Carrie, Mike Minchin and Lyn Jones did a good job in the challenge swim. They also did a good job in consuming the bottle of Scotch Whisky on Saturday night. Let us not dwell on their methods of consumption and what time this orgy finished. Let us only dwell on the following reactions on the following day.

John Carrie was the most sensible one. He stayed home to do the painting. There was very little painting done. The sight of that paint upset his normal healthy outlook on life, that his heart and soul were just not in it.

I can personally vouch for Mike Minchin, who went out on Reg. Evans boat for a day's enjoyable diving. Mike, being the ambassadorial representative of the Swan Brewery is fairly used to consumption of alcohol. His tomach is very sound and hardy. However, Reg's boat seemed to Mike to develop a most aggravating habit of heaving up and down at the most inappropriate times.

Reg has a bunk in "burbler 11" for the stowage of diving gear. Mike used that bunk constantly.

When we arrived at our diving spot after a most velvety smooth ride over flat seas, we prepared to dive and were surprised to see Mike appear from his bunk. Not, as we thought, to dive with us, but from his pale face, to decide whether to drown himself or not. As usual, we laughed at his discomfort, but know from past experience just what Mike was putting up with.

Lyn Jones went out on the "Dauntless" with the club to dive on the Macedon. He was the only one sick. Lyn is a very fit man who swims 5 miles, goes to P.T. every Monday and Friday evening, spends more time in the water than anyone else and is a good sailor. The "Dauntless" like the "Burbler 11" developed a rocking motion which on the way to the "Macedon" so upset Lyn (noone else) that he wished that death was just around the corner.

I am writing this only because I am jealous of the three of them and their Scotch Whisky. My sympathies go to the three of them.

71.4876 as early as possible so that arrangements can be made for another instructor to take his place.

U.E.C. CHRISTMAS PARTY.

The annual club Christmas Party will again be held this year at Mike Minchin's place, details as follows :

SATURDAY. 15th December, 1962. TIME. 8.0. p.m.
ADDRESS. 98 Bateran Road, Mount Pleasant.

Barbecue Party and Grog-up. (Please bring your own steaks)

Please try and get there as it should be a darn good show if certain members of our fraternity have anything to do with it.

Message from Bermuda Boat Centre.

The above firm have notified this club that the air supplies which were available to us previously are now obtainable once more at RCN SHAWS 567 Beaufort Street, Mount Lawley.

Club Activities for Following Months :

- December 23rd. 100ft dive. (This is a mist for all divers wishing to complete "A" Class Certificates before Christmas. (Tilleys - 8.00 a.m.)
- January 13th. "Lignern" and barges - South Mole - 9.00 a.m.
- January 27th. "Mira Flores". - Tilleys - 8.00 a.m.
- February 10th. "Manta Board" - Training Base. - 9.30 a.m.
- February 24th. "Sepia" (If weather bad, "City of York". Tilleys - 8.00 a.m.)

EDITOR :

MERRY CHRISTMAS AND HAPPY NEW YEAR TO ALL.

(Page 4.)

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Mr. K. Kennedy, 67 Gildercliffe St. Scarborough 25.1725
C/T/B : Mr. Woodward... as above.
EDITOR : Mr. C. Firmin, 75 Tenth Avenue Inglewood Bus. 21.9541-42

PRESIDENT'S REPORT.

The months have rapidly passed by, and we now find ourselves again in the festive season. I would like to extend to all members, their wives, families and friends, the Compliments of the Season and a Happy Hearty Christmas.

Just as the months have passed, so have the adverse weather conditions. The easterly wind is again prevailing, and each day finds that conditions are rapidly improving for underwater activities. New and old members are looking forward to the opportunity of diving to the 100ft. barrier again, and wrecks are awaiting the bands of intrepid marine explorers, who will plunder their cargoes from holds resting many years beneath the waves. To all I wish good hunting and diving.

As the Commonwealth Games has been a success to Perth, so have they focused attention on other sports and activities undertaken by enthusiasts in our State. Several members had the opportunity of

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extending the hospitality of the "Diving West " to overseas competitors and visitors. Enjoyable times were had by all concerned and the chance to exchange techniques and experiences were most enlightening.

In the Carnival of the Swan, the general public were given a slow but extremely interesting demonstration of techniques adapted by naval diving groups. Perhaps our club could use a similar procedure to clear divers from the water in an emergency.

Our recompression chamber, another club project aimed towards reducing the dangers to diving personnel, has at last been commissioned and is in readiness should the occasion arise. Moves have been taken to prepare a good squad of operators, competent in all aspects of recompression treatment, to be on call at any time. To all members who assisted in the planning, construction and ground work necessary to complete this worthy task, the club extends its thanks.

Overseas divers are still making news, with incidents where research divers lose their lives whilst in the process of completing a 1,000ft. dive: The World Body of Underwater Sport has international ruling that St. Andrews Cross is the official diving safety flag, etc. In the past this country has been completely out of touch with world problems and conditions. However, the opportunity has arisen for an officer to be appointed to investigate these problems. Mr. K. McMahon has been nominated to attend the Denmark Convention with this purpose in mind - namely to have established the position of Technical Officer to the Federal Body. The club thanks Kevin for his interest and assures him that it is completely behind him on the subject.

Don't forget the Denmark Championships and to any member not participating, the boat trip on Sunday 23rd December.

Merry Christmas and a Happy New Year.

TRAINING BASE ROSTER FOR INSTRUCTORS, 1963.

EXTRA DIVERS ALWAYS MOST WELCOME.

Starting time ... 9.30a.m. to 1.30 p.m.

January 6th. Dr. Haimson... J. Carrie... A. Fry... B. Luscombe...
K. McMahon... J. Margetts... M. Head.

January 13th. Dr. Weaver... L. Cohn... K. Kennedy... D. Parker...
C. Firmin... M. Scott... W. Bullock...

January 20th. Dr. Williams... G. Evans... B. Manwaring...
A. Robinson... R. Sly... H. Roberts... P. Donaldson...

January 27th. Boat Trip. Departs 8.00 a.m. Fremantle.

February 3rd. Dr. Dow... C. Hilton... L. Jones... G. Hitchins...
D. Hunt... G. Brenzi... M. Shaw...

February 10th. Dr. Haimson... W. Bullock... E. Airey... M. Head...
A. Ottey... D. Gilmour... B. Luscombe...

February 17th. Dr. Weaver... H. Roberts... J. Carrie... J. Margetts...
P. Donaldson... M. Minchin... C. Bowman...

February 24th. Boat Trip. Departs 8.00 a.m. Fremantle.

March 3rd. Dr. Williams... B. Manwaring... C. Firmin... R. Sly...
A. Robinson... Dr Parker... D. Hunt...

New "A" Class divers will be given a chance to complete their 10 hours instructing training from this date to the finish of the season.

Please note that the training base will re-open after Christmas on the 6th January.

N.B. If any diver is unable to attend base on the date notified, please ring OC of training base, W. Woodward.