

December 2013
to February 2014

**DOWN UNDER
WITH THE
B. R. U. D. G.**

*Official
Bulletin*

OF THE



**BLACK ROCK
UNDERWATER DIVING GROUP INC**



Hi Everyone

Eventually the Down Under magazine has been collated and I attach. We have had a rich period of diving over the last few months, with some great diving (a few of which we have I have received articles for), I note the enjoyable diving down at Cape Schank and the clubs recent successful forays with diving at on the Ex HMAS Canberra in excellent conditions followed by chasing crays around Barwon Heads. Last weekends diving down at Clifty Island Group (or Seal Island Group) was also exceptional. Thanks for the articles, material and photos from a wide spread different members.

The club has now so many tentacles of diving that I can wait for further material to come through a Jon and Saskia have just taken off to return to the Poor Knights Island Group in New Zealand, Gary Payoff readies himself for his Galapagos and South American tour and a large contingent gets ready for the Africa trip. With these overseas trips underway, I think we also shouldn't loose sight of the exciting local diving we are doing into newer

Victorian locations, Hogans Island Group and the Seal Island Group being stand outs for me.

I hope you enjoy the articles and read the Presidents report, Safety Report and Treasurers report. I highlight the Treasurers Report is quite dated so outstanding may not be correct, please ensure you're up to date with the club as the Treasurers role should not be to collect, only to let us know what is outstanding, we should all as individual members ensure our outstandings are resolved.

Safe diving.

Hilary Ingram

Editor



Dive Calendar

BRUDG DIVE CALENDAR

Divers should contact Dive Captain on Thursday if they are interested in going diving on the weekend. Members are also reminded that boat availability is limited at present as S.S Bell and S.S Payoff are currently working interstate while S.S Lye is holidaying at Port Welshpool. The Committee apologises if any BRUDG member misses out on a dive due short term boat space restrictions.

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- **ALWAYS TAKE A COMPASS BEARING THAT NAVIGATES YOU FRONTWARDS OF THE BOAT.**
- **MINIMUM JESUS LINE LENGTH 150 M WHEN DIVING IN CURRENT PRONE AREAS**

- Notes:
1. The gazetted dives are subject to change at short notice as winds, swell and tides on the day will either allow or disallow the dive.
 2. The boat skipper is responsible for safety of the vessel and the crew so its his / her judgement that will determine the day's activities including dive cancellation.
 3. With ocean diving, the swell has a huge impact on safety and dive quality. Ocean swell is pushed by gale force winds many thousand of kilometres to the south west in a region stretching from the Indian Ocean to Great Southern Ocean near Antarctica. We can have perfectly good weather conditions in Melbourne but a massive swell. For ocean diving, swell height will determine the most comfortable and safe depth. Guidelines are given below:

> 2 m **Forget it! - Stay in the Bay** – Rip drop-off will be OK but swells can break near Queenscliff so be careful! Expect dirty water on the flood tide. Ebb tide could be better prospect on days of heavy swell?

1¹/₂ m Minimum recommended dive depth is 15 – 20 m (expect visibility of around 5 - 6 m at 15 m and may be 8 - 10 m visibility at depths greater than 20 meters)

1m Minimum recommended dive depth is 8 – 10 m (visibility should be around 10 m)

½ m Dive anywhere – expect perfect conditions except after rainy period that can make the water dirty due to run off from the cliffs.

Dive calendar to the 29th March 2014



8 th March (Labour Day long weekend)	W. Salisbury (suggestions/ideas?)		Arch Rock Harmers Haven
15 th March	Alan Conley		Drift dive- scallops
22 nd March	Grant Callow		Back beaches- Portsea, Sorrento
29 th March	Hilary Ingram		Flinders

Famous Quotes

“There he stands, draped in more equipment than a telephone lineman, trying to outwit an organism with a brain no bigger than a breadcrumb, and getting licked in the process.” –Paul O’Neil

Life Members

- John Davis
- Ron Dunlop
- Max Graham
- Bob Hurst
- Lionel Martin
- Dave Perry
- Bill Silvester
- Mike McCrae
- Trevor Heath

2013/2014 Committee

President	Graeme Rees
Treasurer	Joe Arlove and Alan Conley (Assumed)
Secretary	Saskia Hansen
Social Secretary	Luke Conley
Dive Co-ordinator	Wayne Salisbury
Safety Officer	Dan Wahrenberg
Newsletter Editor	Hilary Ingram
Public Officer	Joe Arlove (Assumed)
Equipment Officer	Alan Conley (Assumed)
SDFV Reps	John Griffiths and Steven Snow



Member News

The Great Robe Curry Night.

After a couple of days just gouging out on fresh seafood, tonight was going to be a change. So we got the crew to participate in a fiesta, a curry feast. All the ladies and Joe A endeavoured to create a curry of their choice. After slaving in the open kitchens, in tents and caravans, the crew's creations were starting to smell great. Equal or better than any curry restaurant. Ella made this amazing vegetable curry, the only problems is when I went back for seconds, all gone.



The Graingers



The Salisburys'



The Rees's



The Griffiths'

Joe with his Rogan Josh, Jenny was the big surprise, it must have been a shock to the system but the curry was delightful. Helen slaving over the hot stove just worked wonders, Glenda just keeps surprising us all with great curry. Jan was magnificent sitting out watching over her curry with a glass of wine, may have slipped some wine into the curry, great result. Phap's local green curry good as ever was under a bit of pressure to compete with the other ladies. So we packed up the kitchens and headed up to the communal area of the park, lined up the curries and turned in the place into a curry buffet.



The Cronin family (hopefully another diver for the club).

It was great to see happy faces of satisfaction after a great dinner. We all got to sample the amazing creations from the chefs, the only problems, and no seconds. I'd like to thank all in the club who participated making it such a successful evening and will be looking forward to the next Great Curry Night.

Maybe we should do one in Melbourne on night, any suggestions

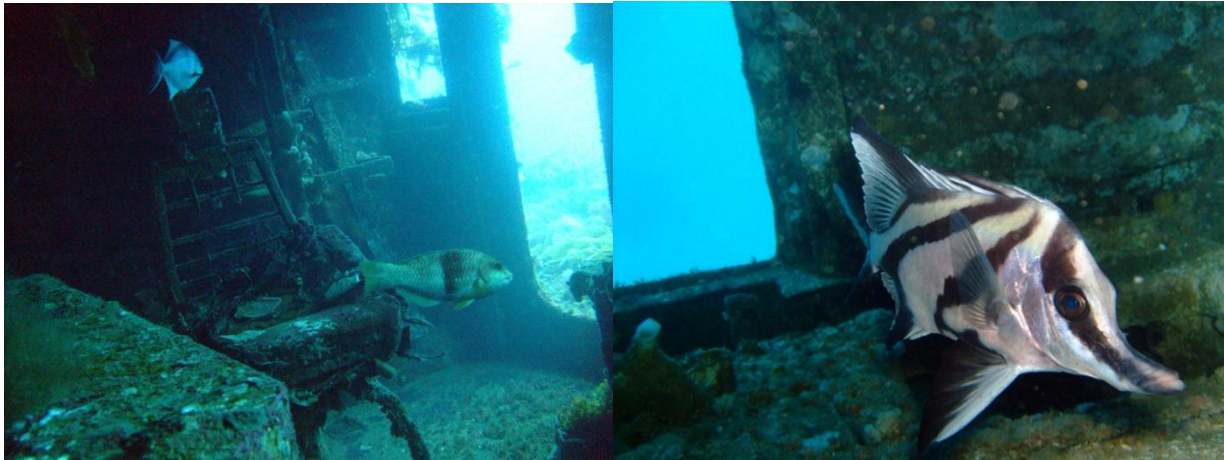
Gary Pahoff

Diving the “Canberra”, Sunday 2/2/14

Boats: Lye, Griffiths, Conley, Roger

Report from Ton Van Den Blink.

The Ex HMA Canberra , was a Australian Naval Guided Missile Frigate, she was laid to rest in 30m of water some distance from Ocean Grove in 2009. It had been a long and involved process by VARS (Victorian Artificial Reef Society) dealing with lots of government and private organisations to get this far. There had been a lot of discussion about where and what depth to scuttle this vessel, to suit commercial dive operations etc. As with all decisions made by a committee, her depth and position therefore is a compromise . The main problem is she is probably too shallow and her position swell affected. Early on her helicopter deck was ripped off in a storm. I have dived the wreck every year since her sinking and she continues to list further and further each time.



Captains Chair inside the wreck. Photos from J. Griffiths. Boarfish.

I was on the SS Lye boat with Anne Brown, Anne and Graham had not dived the wreck before. The day started early with an 8 am start. The Griffiths boat would not start but that was soon fixed with a set of jumper leads. We soon headed towards Port Phillip heads in a thick fog, which cleared slightly when we reached the site of the Canberra. Travelling through the Heads in a thick fog is now a lot easier with GPS etc. in the past it would have been somewhat suicidal, however I still kept hoping we would not meet a large freighter on the way.



The Ex HMAS Canberra.

Having arrived at the site, the sun came out and I quickly got in to dive the wreck, the rope and float which would show you the top of the infrastructure have been removed so you need to line up the yellow buoys. Thankfully the Conley boat showed me where she was as it is still hard to see from the surface. Visibility was reasonable and I took some reasonable pictures. The wreck has now considerable growths on it and the fish life has increased with boarfish, old wives etc. on the outside. There is still not a lot of growth inside the wreck but more fish life. The old float line now hangs over the side of the wreck with the float crushed, it would be great to have it back for a deco line.



SS Lye to the rescue.

After the dive the VISAG divers arrived to take the next time slot , so at one stage there were 8 boats floating around, including us restarting John for the next trip. We decided to dive reef of Barwon heads which is quite shallow and was good to dive with the lack of swell. All in all a good day combining a wreck with a nice cray dive. On the way back we had a clear day but there was still a bank of thick fog just across the heads only, possibly warm bay surface water contacting the cold ocean water on the outgoing tide. As Anne said it was a bit twilight zone like. All in all a good day out on the water while Melbourne sweltered in 40 plus temperatures.



Australia Day Dive Report from Rohan Cleary.

Launch at rye

1st dive Point Lonsdale of the wall late on slackwater

Divers: Rohan Cleary, Len Joyce and Darren Bell.

The dive itself wasn't the spectacular stuff that is usually associated with the Lonsdale wall but did produce some good catch which became the 'source' of our lesson.



The rebuilt SS Bell, With Darren and Len Joyce.

Darren decided to approach the marked fisheries shark cat (Big Mistake Ed) with zodiac as an unlaunched tender to ask a question about green lip abalone and where the actual boundary of 'inside' the bay.



Notes. We were consequently boarded and had a few finer points of diving and the catching of priority species in and around the area, or any other areas marine parks. The main point that we were made aware of was that possession of either of these inside of a MNP is strictly prohibited offence. Also of note is that if you do need to go near or thru one of our MNP's is that you are required to be underway the entire time and not stop, your path must be of the most direct route possible if you do have either on board! So if a diver on deco. stop or boat drifts into this area while removing gear it actually breaks a rule that helps protect our valuable marine parks This I believe can be quite relevant to remember as it could restrict the choice of a second dive site for the day or where boats can reconvey to have a chit chat if the first was a catching one or the catch and release program may need to be invoked as it was on this day! Also the boundary of the national park is was slightly different to what we thought. The three yellow buoys make a line that does not finish until it hits a line taken from the red lighted tower adjacent to the Queenscliff tower and the most eastern point of point Lonsdale. Hard copy of the maps are readily available from? and most GPS have the boundaries marked out but could be easily confused in the myriad of lines and marks that run in a similar proximity and the use of a program that can be installed onto the GPS that gives visual and audible warnings when mnps are in the proximity. Could be of use .The officers couldn't have been more helpful with their advice and information sharing even to the point of giving me a call on his own private mobile number that night to let us know that a written warning was deemed a relevant punishment for our accidental misdemeanour considering our cooperation and civil approach to the officers!

The second dive was again done on the wall and both divers said it was spectacular, but could have easily ended in tragedy for Len who came very close to the propeller at full speed! The fact that he was on a 3-5 mt safety stop approx 70mts from the boat with hoisted dive flag and the prop. belonged to the biggest diving charter operator in the area should go to show that our own safety can be put into jeopardy by others either not noticing a dive flag up, others boat users not knowing the relevance of said flag or even



being on the fringe or beyond of the 100mts of the flag and these dangers where reinforced later in the day collecting scallops later in the day around Rye china hat amongst a plethora of boats an jet skis. Most serious diving injuries are attributed to props everyone has prob surfaced further than 100 mts from the boat or noticed that the hoisting of the df was omitted in the prediv check at one time or the other and the use of a good quality surface marker bouy can be a potentially life saver literally! Yolo!

Sent from Rohan's iPhone

Warnambool Report.

15th December to the 13th January 2014.

Attendees: Callow Family, Rainer and Elke Freitag, Mike Mossveld, Ingram Family, Ch'ng Family, Dave Stove, Greg Sauter and John and Jenny Griffiths.



Jen Ch' ng in action.



[New Years eve at Warnambool.](#)

A fair assortment of Brudgers attended Warnambool for a relaxing break over December and January, I believe the Calllows were down for nearly a month, Mike Moosveld, Rainer and Elde Freitag were down for extended periods, the Ingrams were down for just over 2 weeks, the Ch'ng family was down for a week and we had Greg Sauter and then the Griffiths also visit the group. As usual diving was only one of the activities the group enjoyed, the mainstay of beach cricket continued, with some members cycling on the Warnambool to Port Fairy rail trail, fishing activities, wake boarding, tennis and this years highlight was the SA paint balling.



The paintball group.



The mankini.

From memory I think ten of the group attended the paint balling, many for the first time. The start for new comers was a little similar to their first battle, after getting short a few times everyone started to enjoy the action. As in every was there was different interpretations of the Geneva convention, fortunately only two of our group were caught for misemeanours and had to wear the mankini's.



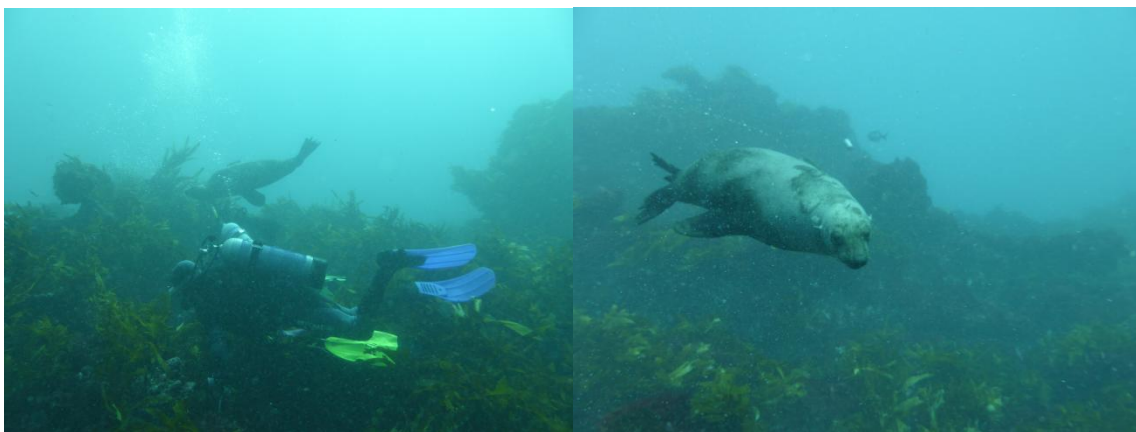
The Breaker at rest and eyeing the red sunset making plans to dive in calm conditions on the promise of flat seas the following day.



The diving was great when we could get out, strong southerlies kept us at camp on many days, however we got our 6 times to dive whilst I was down at Warnambool, however a number of trips we returned early as conditions often quickly deteriorated and we returned early rather than risk being caught out in challenging conditions. We dived Helen's Rock a few times, this is always a spectacular dive and we normally find crays. On another perfect day we were in reasonable country when Grant made the call "What the F-- is that?", we motored over a hundred metres and discovered Grant's Rock a mini version of Helen's Rock but surrounded by even better dray country than the country around Helen's Rock. Our first few dives on Grant's Rock allowed us to bag out quickly, I dived with Jen Ch'ng, who regularly talks through his reg., I could hear him laughing as we quickly bagged out. Like all honeymoon's our honeymoon came to an end much sooner than expected, the Commercial fisherman with there pots appeared the next day. I don't think we took another cray from that location after that. However on a later dive in that area we had 2 Australian Sea Lions with us for 10 minutes, one Sea Lion thought Greg Sauter was onto a cray and descended on him so fast I thought I was about to record our clubs first attack from a seal. We also had an unusually photogenic bull ray follow us after we fed him.



Bull Ray near Grant's Rock.



Mike Mossveld and the Sea Lions.



[A millisecond before the Sea Lion pounced on Greg Sauter.](#)

The trip to Warnambool was fantastic, we all survived the 100 kmh winds one night, the shared meals that were organised and sustained by Vicki and Elke's welcome and provision of cooking equipment, plates and cutlery was a real highlight with many a shared story enjoyed by the group in the evening. I thank everyone for their welcome, assistance and company for a fine break from the tedium of our everyday lives.

Regards Hilary



Refuge Cove - Welshpool trip 21st February Dive Report from Alan Conley.



Alan Conley with a Banded Morwong.



Unknown solitary jellyfish.

Boat	Crew
SS Callow	Grant Callow, Mike Mosseveld, Saskia Hansen, Jon Halland & Rainer Freitag
SS Ch'ng	Jen Ch'ng, Greg Sauter & Brent (mate of Jen's)
SS Conley	Allan Conley, Luke Conley & Hilary Ingram

The intentions for the week-end were to all camp at Refuge Cove and dive the surrounding islands (or mainland) for 3 days, Grant made a booking through the Prom National Parks office at Tidal River to camp at Refuge cove Saturday and [Sunday night](#) one booking per boat. One hour later Greg rang to make a booking and was told that all camp sites were taken and that they were full, What a dilemma Greg made a few inquiries and rented a house in Welshpool for the week-end.



SS Breaker.



SS Breaker & SS Ch'ng.



Friday ([afternoon - evening](#)) we all meet at the rented house in Welshpool the SS Ch'ng crew and the SS Conley crew moved into the warm connara heated house with electricity 2 toilets and running water and the SS Callow crew slept on the front lawn,

[Saturday morning](#) the wind was blowing from the S/W at 25-30 knots (not very comfortable conditions) luckily we were on the east side of the prom and as long as we hugged the coast we had protection from the wind and swell.

[At 8am](#) the Breaker crew launched their boat at the Welshpool ramp and headed off to Refuge Cove, the other 2 boats had a hardy breakfast and also launched their boats and headed off too Rabbit Island, we dived the east side of Island the water was dirty, but the sea conditions would not allow us to venture out to the Clifffy Island group, after a second dive we turned for home at about [3 pm](#), the sea condition back in corner inlet with the wind and tide fighting each other were horrendous.

The Breaker crew had set up camp in Refuge cove and the camp grounds were empty, (and stayed that way all week-end maybe somebody should tell the National Park office That they were not booked out) a couple of the divers did a shore dive around Refuge, and the rest had a leisurely day site-seeing.



[Blue Groper found in the Seal Island group \(also known as the Clifffy Island group\).](#)



Seals at Notch Island.



Port Jackson Shark.

A telephone call [Saturday night](#) between the Refuge Cove crew and the crew at Welshpool we decided to meet them at the Clifly Group of islands the following day “ this was always going to be the Day to dive ” we found the Breaker crew diving the northern end of rag island and decided also to dive this island (safety in numbers long way from home) The SS Ch’ng crew decided to dive some bommies that broke the surface near the Breaker and we picked the east side, with 19deg blue water and 10mtr visability what more could one ask for. Lots of fish life, Banded Morwong Boer Fish and lots of Sweep and most ledges were full of Abb’s, but no Cray. After lunch we picked a spot on the west side of Rag Island again lots of fish and Abb’s and only one Cray, the Pro Cray boats must of cleaned the area out.

The return trip back to Welshpool was blue water blue sky and flat seas, and not the terrible conditions that we had the previous day, the Conley boat packed up their gear and headed home where the SS Ch’ng crew plus Hilary stayed a extra day.



Greg Sauter at the Seal Island Group.



Monday the SS Cheng crew dived around seal island only catching up with the Breaker once for a chat, a couple of the divers talk about a mysterious monster of a cray that they, did battle with, but it did not end up in the catch bag so it is only myth. On the northern end of the island there is a very substantial rock out-crop apparently they picked up a bag full of doughboy scallops on the sandy bottom between the rocks and the main island. That is the first time I have heard of them been taken out there, I always knew they were back in corner inlet.

Back to Welshpool packed up there gear with a leisurely trip home thinking about the last couple of days diving.

Great week-end was had by all and we will return.

Allan Conley

Dive Report from Saskia Hansen on SS Callow (The Breaker).

Back beach Sorrento and Lonsdale Wall

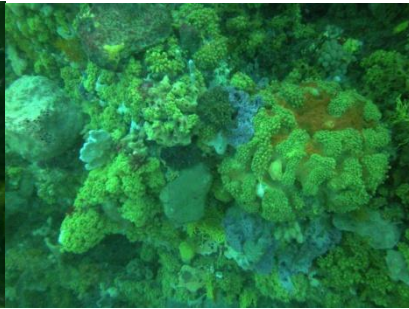
The fog covered most of Queenscliff when we met up at 8 am on Sunday 2 February and covered most of the coastline for the first few hours of the day. Thankfully it cleared enough as we got to the back beach of Sorrento and after a bit of scouting about, we found a site which wasn't too affected by the swells and we anchored the boat up for the first dive of the day. Many other club boats had gone to dive the Canberra, but we opted for a reef dive.

The dive site covered a big reef containing lots of crevices and mini pinnacles and in theory, would have been a good spot for crays. However, not many crays were to be seen (though of course Mike and Grant, as always, managed to find a few). There was plenty of fish life and it was a nice and relatively relaxed dive at about 17-20 metres. The visibility shifted from being pretty good during parts of the dive to being less than 5 metres during other parts of the dive.

We were all back in the boat just before 11 am and had to rush to get back through the Heads in time for slack water at 11.50. We arrived just after 11.40, parked a marker buoy where we wanted to dive, and kitted up. Absolutely perfect timing – and we hit the water bang on slack water and right on top of the wall. It doesn't get any better than this. So with no currents or water flows affecting the dive, it was a fantastic opportunity to explore Lonsdale Wall in a bit more detail. The colours of the wall are always amazing and the fish life just amazing.



Eastern Fiddler Rays



Lonsdale Wall



Blue Devil fish



Great visibility – (15m+)

It was divers' soup as we came out the water and it took some effort for Ed, the skipper of the day, to locate the divers in the water.

After a bite to each, Grant and Mike went in for a third dive in the shallows. And all of a sudden, the fog started rolling in again. Within minutes Lonsdale Lighthouse disappeared in the horizon and a wall of fog swept in through the heads. We heard the horn of a big container ship long before we could see it – and it was interesting to see the top end of the container ship first as it emerged through the fog. And a lesson learned that the dive conditions can change ever so quickly though we were lucky that the fog didn't make it to where we had divers in the water.

Another great day out on the Breaker.

Australia Day Diving with SS Callow from Saskia Hansen.

It was a bright and early start for the crew diving on the Breaker on Australia Day: Grant C, Mike, Grant B, Saskia, Jon (and Dan on the Monday). After a perfect beach launch which no doubt was helped by the high tide, we headed down to Arch Rock. The swells were higher than expected so we had to do a bit of scouting to find a dive site past Cape Liptrap that was comfortable to dive in. Grant, Jon and Saskia went in for the first dive and had a nice potter about the cracks and crevices and we saw a few Port Jackson sharks, but not many crays. Coming out of the water, it took a little while before the divers could see Breaker and vice versa. The swells were so high that even a surface marker buoy couldn't attract the skipper's attention, but Grant's squealer eventually could. While there was fish life at this particular dive site, there weren't any many crays to be seen.



For the second dive, we headed closer to Arch Rock and Mike and Grant B did a subsequent hookah dive. And in true BRUDG style, both found crays during the dive.



Making BRUDG proud: Grant and Mike

Port Jackson shark (on first dive)

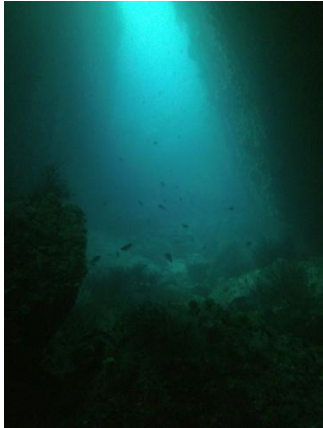
Meanwhile, those crew members who tend to suffer from sea sickness took shelter on the bow and rested for a little while. Grant and Grant went in for a second hookah dive and that concluded the first day's diving. We were all hit big time by the sun, so lesson learned is that even if you're seasick, make sure to apply and reapply plenty of sun lotion (and hats don't help when you get hit by the sun's reflection from the sea).



The Glennies in perfect conditions.

Having retracted the boat from the sea, the crew went to the Walkerville campsite and pitched tents for the night. Jon and Saskia used their little compressor to fill their tanks for another day's diving. And meanwhile, Grant prepared a nice curry for dinner, and everyone chilled over a couple of beers and we all had an early night.

On Monday morning, we aimed to be in the water not long after 8 to hit the high tide again. The sea was flat calm and the conditions were perfect for Breaker heading across to Wilson Prom. We had our first dives at the Pinnacle and the conditions were just about perfect. Flat water, great visibility and hardly any currents.



Diving around the pinnacle



Grant on top of the pinnacle



And top end of pinnacle in water

The next dive was at the Glennies and we dived the side that is normally more exposed to the weather but given the perfect conditions we could get in close to the walls and caves.

And the visibility really was fantastic. We explored a few big caverns and lots of swim throughs. There were the most beautiful ceilings and walls covered in anemones – lots of gorgeous colours.



Breaker crew: Grant, Dan, Saskia, Mike and Jon

(Skipper Grant as photographer)



Swim throughs

After this amazing dive, we headed back towards Arch Rock and Grant did an exploratory dive at Cape Liptrap that had been inaccessible the day before. However, as the water was now flat calm, the two got in the water just off some rocks full of seals and had a quiet potter about in the shallows. Great dive, but not cray country.

It was a hot, happy and somewhat tired crew that packed up the boat and headed towards Melbourne after a fantastic two days of diving. We couldn't have been luckier with the weather conditions. Thanks to everyone for the great company, Grant C for planning the weekend and Grant B for organising food and drinks for the entire weekend.

And what a way to celebrate Australia Day.....from Saskia Hansen.



Dive Report for the 8th February 2014 off Cape Schank from Hilary Ingram.

Boats: SS Lye, SS Rees, SS Salisbury from Flinders, SS Breaker from Queenscliffe.

Divers: Grant Callow, Grant Brittain, Saskia Hansen, Jon Halland, Graeme Lye, Hilary Ingram, Graeme Rees, Craig Starrit, Ton Van Den Manen and John Griffith.



The first dive had exceptionally poor visibility, 2-3 metres in the better cray country, the photo above highlights the poor visibility but does not capture the abundance of fish, it was in this fish rich location that one diver secured a cray. The country felt like it had been potted out the day before as so many ledges were completely bare and the fish life was so exceptionally rich.

From the photos you can see we met the Breaker on the water which came out from Queenscliffe, they were in a panic as Graeme Lyes boat rapidly approached (obviously suspecting Somali pirates). So were relieved to see Brudgers simply ensuring that all was well and safe diving practices were underway.



The second dive was in 23 metres and in exceptionally strong current, Captain Lye advised all divers to be cautious ensure safety sausages were on divers (not in there dive bags) and that divers stayed close to the anchor rope. We all followed Graeme's guidance, visibility was a little better, Ton and John found crays. By diving conservatively and staying within proximity of the anchor rope we all safely returned directly to the boat in solid current.



Ton 23 metres deep off Cape Schank. (Bagged a nice sized cray on that dive too.)

The Breaker relieved after they recognised the new boat that approached them quickly.

Graeme, I heard a few comments over poor conditions on the day, personally I thought it was a great day, conditions weren't the best, but diving continued to be enjoyable and productive.

Hilary



“Sealed Section”



The Hoff in action.



Ton and the Hoff in action at Flinders.



**Rarely photo rope coiling technique
being developed on the Breaker.**



Purported to be a photo of an unknown member who had to be put ashore due to illness.



Brudg shot at Flinders.



ARTIFICIAL GILLS FOR HUMANS?????

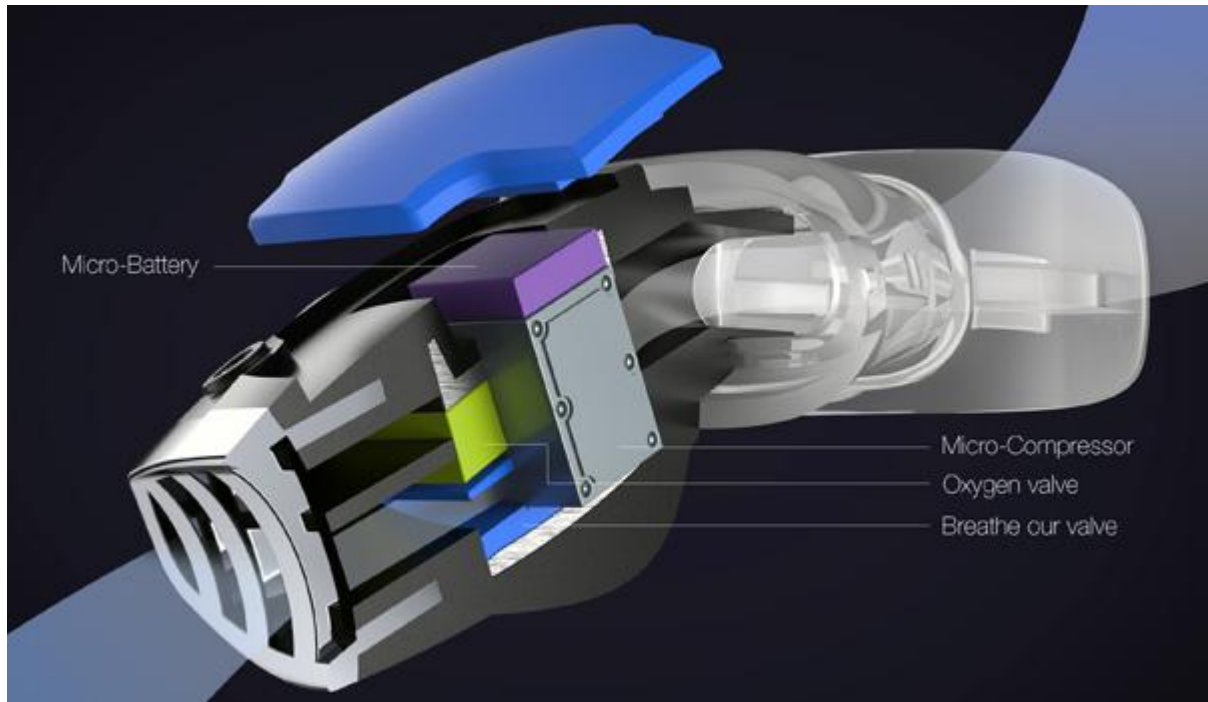
Designer **Jeabyun Yeon** has created something great. Essentially it turns humans into fish.

“Triton uses a new technology of artificial gill model.”

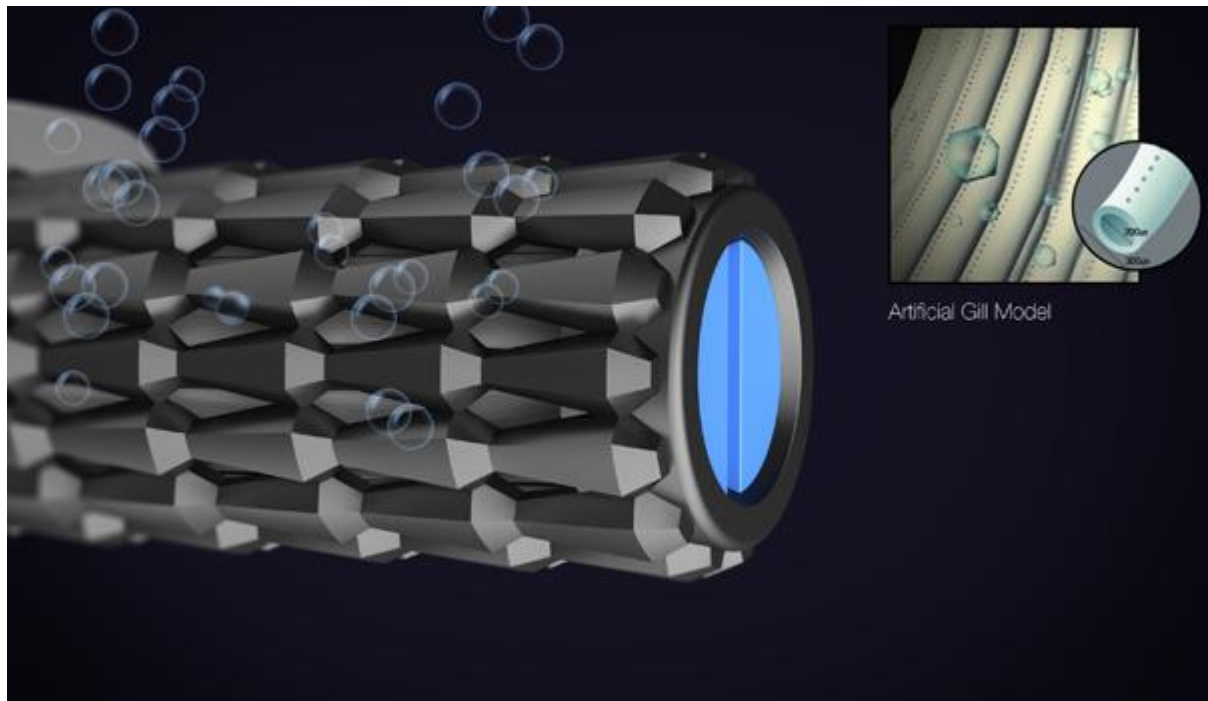
- It extracts oxygen under water through a filter in the form of fine threads with holes smaller than water molecules.
- This is a technology developed by a Korean scientist that allows us to freely breathe under water for a long time.
- Using a very small but powerful micro compressor, it compresses oxygen and stores the extracted oxygen in storage tank.
- The micro compressor operates through micro battery.
- The micro battery is a next-generation technology with a size 30 times smaller than current battery that can quickly charge 1,000 times faster.” – Yanko Design



With the Triton Oxygen Respirator, it might be possible to breathe beneath the surface of the water as if you were a fish. Requiring no bulky tank to keep your lungs pumping properly, this invention of scuba diving equipment is much more ergonomic and organic in design.



The regulator comprises a plastic mouthpiece that requires you to simply bite down. There are two arms that branch out to the sides of the scuba mask that have been developed to function like the efficient gills of a marine creature. The scaly texture conceals small holes in the material where water is sucked into Jeabyun Yeon's Triton. Chambers inside separate the oxygen and release the liquid so that you can breathe comfortably in the ocean.



Source: [truthseekerdaily]



This material was provided by Steve Snow, I don't think Steve is planning on throwing his tanks away just yet. I recall that Marine boy had oxy-gum. (Chewing Gum that gave you oxygen under water.)

Presidents Report

Season's greetings to all BRUDG members, friends and associates.

Whilst the weather over Christmas holiday break was somewhat ordinary, Hughy has certainly lifted his game in recent weeks and has provided exceptionally good conditions for diving. Current indicators are that there may be more good days on the way before we transgress into the more settled Autumn period.

Robe Christmas camp was nice but unfortunately we only got one really good day's diving. The day's either side of it yielded poor conditions with the large swell creating dirty and surgy conditions. The camping ground was however of an excellent standard and we were lucky that draconian owners were away taking holidays themselves and that the security goon squad were absent this year. The detailed report is given in the body of the magazine.

From all accounts the Callow troupe that ventured to Walkersville environs over Australia Day period had a ripper time and I'm personally looking forward to reading the details in the magazine.

A number of divers made frequent visits to Flinders after getting back from Christmas holidays and dived not only the all too familiar Cape Shank but also the wild Eastern side of Philip Island. Darren and Danni Bell provided accommodation for anyone wanting to stay the night at their Chateau Mt Eliza home. This enabled air tanks to be filled and crays to be cooked and stored in Darren's array of freezers - a big thanks is extended to Darren and Danni for making us all feel so welcome.

Regretfully the attendance at Rickets Point for the first informal meeting of year was poorly attended with only three or four members bothering to show up. Unless we get a better commitment next year I think the incoming July Committee should consider abandoning the venue. Those who did attend had a nice relaxing evening. Whilst conditions were windy and overcast, we were well protected by the blanket of Tee Tree and it was not in the least bit cold.

Boat availability has eased a little with John Griffith's return to active service. On behalf of everyone at BRUDG it's great to see John back to full health and active again. Darren Bell, Gary Payoff and Joe Arlove have continued their employment in Northern Australia so we're still well down on boat space but we may see improvement when Jen commissions his recently purchased boar trailer and the "Bar-Crusher" becomes available. In summary, boats listed below should be available for diving:

- S.S Rees
- S.S Salisbury
- S.S Lye
- S.S Griffith
- S.S Conley



- S.S Sesin
- S.S Jen (after Trailer is received and fitted)

There has only been one safety incident to my knowledge since the last magazine being a diver that wandered off course and finished up behind the boat in Bush Rangers Bay. There was a strong current and it was impossible for him to reach the Jesus line. Luckily, he was carrying an orange safety sausage and a passing boat rescued the poor sole and returned him to my boat. So please remember - in current prone areas - minimum Jesus line length is 200 m and **always** set your compass to navigate you forward of the boat.

Compressor allocation is the priority for the current Committee and we will making an announcement in the coming week. The decision on where the compressors are to allocated will be based on the following criteria:

1. Electro-mechanical aptitude of host
2. Proximity to active divers in a given area
3. Availability and flexibility in filling times - weekends / afterhours / etc
4. Security

In the meantime I have published an extract from the BRUDG Asset list that provides location and availability as at 3/2/14.

SAFE AND GREAT DIVING

GRAEME REES
BRUDG PRESIDENT

Extract from BRUDG Asset Register

Item	Unit No	Insured value (\$)	Page Ref.	Contact, location and general availability (You MUST phone first to confirm)
Compressor	C - 01	xxxx	6	Allan Conley Ph 97013944 C.V Tooling Pty Ltd Fowler Road, Dandenong Week days only: Mon – Thurs: 7.00 AM – 3.30 PM Fri: 7.00 – Noon
Compressor	C - 02	xxxx	7	Joe Arlove ph 9700 6630 51 William Hovell Drive, Endeavour Hills Week-days : 5 PM – 8 PM Weekends:: 10 AM – 8 PM (Careful of dog).
Compressor	C - 03	xxx	8	Graham Lye ph 9729 5495 5 Cheviot Close Wantirna Week-days : 5.30 PM – 7.30 PM Weekends:: 9.00 AM – 6.30 PM



Item	Unit No	Insured value (\$)	Page Ref.	Contact, location and general availability (You MUST phone first to confirm)
Compressor	C - 04	xxx	9	Darren Bell Danni Bell ph 0408 377 412 4 Bundara Crescent Mt Eliza
Compressor	C - 05	xxx	10	Mark Callow ph 9339 9585 80 Parker Street Williamstown Week-days : TBA Weekends:: TBA Compressor is currently being assembled – completion date pending.

Yoga and Old Age



You didn't shave very well and your tie is crooked!



Safety Officers Report

Dec 2013-Feb 2014

I'm pleased to report no accidents or serious incidents up to the meeting Tuesday 10th Dec.

In fact the only minor incident brought to my attention was a diver surfacing downstream of the Jesus line due to a deco obligation during ascent.

So please make sure that those Jesus lines are long enough people (minimum 100m), please carry and use a compass in order to stay upstream of the boat.

If you're not on the anchor line don't forget to shoot a DSMB during ascent so the boat crew can spot you before you drift out of visual range, especially if there is a current running. A rebreather diver out of Sydney found this out the hard way in November when he surfaced 500m down current of his boat after a long solo dive with mandatory deco. He could see his boat but couldn't attract their attention nor make headway against the current. This resulted in a reported six hour search before he was found safe and awaiting rescue with his 'safety sausage' inflated.

This is a classic 'use case' for the Nautilus Lifeline VHF radio I reviewed several months ago. The diver could see the boat and a simple radio call would have prevented hours of searching for a missing diver.

Full news report here for those interested:



<http://www.macleayargus.com.au/story/1932753/fish-rock-diver-rescued-after-six-hour-ordeal/?cs=1274>

Whilst talking about the Nautilus Radios there is an update on the issuing of Australian MMSI numbers from ACMA:

Diver Handheld VHF DSC transceivers

“Effective as from November 2013, the [Australian Communications and Media Authority \(ACMA\)](#) does not mandate a marine radio operator certificate prior to the issuing of an MMSI for personally attached diver VHF radios, that offer a digital selective calling transmit capability, and limited voice communications. This presumes that the radio operator in the diving boat (mother vessel) is qualified. In the case of lone divers not operating from boats, the requirement for a marine radio operator certificate remains.”

Break The Chain

I’ve written a lot over the last six months regarding safety gear. This time round I’d like to address mindset and accident prevention.

Accidents are very often not the result of a single isolated event. In all too many serious accidents the situation developed as a result of multiple failures and mistakes, none disastrous in and of themselves but all culminating in a situation where the final problem pushed the situation out of control.

There is a well known analogy used in accident analysis called the ‘accident chain’, where each individual failure or event makes up a single ‘link’ in the ‘accident chain’. NASA even has an ebook addressing this issue, going by the ponderous title "Breaking the Mishap Chain: Human Factors Lessons Learned from Aerospace Accidents and Incidents in Research, Flight Test, and Development". It’s available for download if you’re interested.

The primary thrust of this ‘Break the chain’ analogy is that altering at least one element of the chain of events leading up to the accident may well have prevented the accident occurring at all.

Sometimes this chain of events or particular elements of the chain only become visible with the benefit of hindsight. Other times divers will see an issue and dismiss it as nothing but a minor annoyance that they can deal with. That may well be the case normally but sometimes it can be the straw that breaks the camel’s back. Never hesitate to speak up when you encounter an issue that strikes you as a possible accident chain link, it might just save someone’s life - though if you’re lucky you’ll never know it.

There is an old rule many divers adhere to that “Any diver can abort any dive for any reason - or no reason at all.” without any recriminations or dispute. This is a very healthy attitude and one I would encourage in all club members. As an example, I sat out the Wilson’s Prom dives on the Saturday as I was feeling ‘off’ probably due to lack of sleep over several nights. I was disappointed to miss what turned out to be a fantastic days diving, but the flip side of that is that I’m still here to tell you about my disappointment and there is always another day.

Extend the ‘Break the Chain’ thought process to cover all aspects of your diving.



- Gear Prep: If you've got a fin strap on it's last legs or a dodgy tank O ring - replace it BEFORE the next dive.
- Dive Planning: If you're dubious of the weather then re-assess the dive plan and choose a more sheltered site or head back and have a drink at the local watering hole.
- Personal Condition: If you're not feeling up to a dive for any reason - sit it out.
- In the Water: If you have a problem during a dive - stop right away and sort it out fully or failing that determine whether it warrants aborting the dive if you cannot properly fix it.

Don't allow small problems compound upon each other until they overwhelm you.

Just keep the "Break the Chain" mentality in the back of your mind at all times.

Addendum:

Yesterday I was informed by Hillary that they'd had a diver fall backward from the boat ladder whilst re-entering the boat after a dive. Luckily the remaining diver still in the water was well away from the fall zone and no harm was done. It's great example of the 'Break the chain' philosophy though, if you see diver on the Jesus Line getting in too close behind a diver on the ladder of your boat - speak up. The last thing we want is someone being copping a scuba cylinder full in the face with the full weight of a falling diver behind it.

Dive Safe

Dan Wahrenberger

A sobering reminder

From The Age newspaper.

Man dies while scuba diving in waters off Rye

Date

January 27, 2014

Nick Toscano

A man has died after scuba diving alone at Rye back beach on Monday.

The man, believed to be aged in his 40s, was scuba diving in waters off Browns Road in Rye when he was found to be in trouble by another group of divers in the area about 3pm. A police spokeswoman



said the divers dragged him to shore where paramedics and bystanders tried to revive him. But the man was declared dead at the scene. Police will prepare a report for the coroner.

Whilst there are few facts known in relation to this accident it's fair to say the following. There are inherent risks involved in our sport. It is our responsibility to our loved ones to think carefully before and whilst diving and to mitigate those risks in every way practical. The potential consequences of poor decisions are profound.

Dive Safe People

Dan Wahrenberger

Treasurers Report

Assorted communication from Joe, I think his message is very clear to all members regarding rapid repayment of funds owed to the club.

As you have already received email with all the money owed to the club, it's a lot of money which the club has already forked out, and it shouldn't be like that, we shouldn't be carrying members like that.

Bank balance as of today:

Main account: \$2222.18

Maxi account: \$3096.55

Cheers,

Joe Arlove

Below is itemised list of what is owed to the club, it comprises of two lists, the top one for items purchased from Dive Imports in WA, and the bottom one for other expenses you may still have such as Subs and 60th Birthday bash and Tank Test which should have been well and truly been paid for by now. Members of this club wish to purchase another small portable compressor, and seeing we are a dive club it only makes sense that we do this, but at this stage of the game the club cannot afford it because of the money owed to it.

The items purchased from WA have been paid by the club, and Tank testing has also been paid, so that means that the club has already forked out approximately \$3K, we the committee keep on saying "We are not a bank" we shouldn't be carrying this amount of debt to members.

So come along to the next meeting on Tuesday 11th Feb and clear these debts.



Name	Item No	Description	Qty	Size	
Alan Balmer	C3C	Retractor Compass	1	-	\$180.12
	H1C	3mm neoprene hooded vest	1	XL	
	SH11A	Sherwood Rona	1		
	SHM	Sherwood neoprene mask strap	1	-	
Ton Van Der Blink	C24	Cylinder Handle	1	-	\$65.84
	Z60	Air alert.	1		
Greg Sauter.	WST	Akona skin suit	1	3XL	\$68.15
Jen Chng	DF3	HD rig line WTD Float and Flag	1		\$33.50
Gary Pahoff	C24	Tank handle	1		\$34.16
	Z14	Telescopic lanyard	1		
	Z28	Mouth piece	2		
Dan Wahrenberger	Z30	Mouthpiece	1		\$30.26
	G12A	Leather Reef gloves	1	large	
John Griffiths	C25C	Faber boot	1	Small	\$64.68
	G9Q	Perform HD roller bag	1		
Joe Jakubczyk	K29NC	Drop point knife	1		\$13.28
Grant Brittain	S12G	Akona andros snorkel	1		\$17.33
Greg Richards	Z44	6 pocket weightbelt	1	Large	\$441.21
	B02	Cobra BCD	1	XL	

Blackrock Underwater Diving Group
C/- 14 Denton Drive Officer
Vic, 3809



Analyse Receivables [Summary]

7/02/2014

Page 1

7/02/2014

4:43:13 PM

Name	Total Due	
Daryl Avery	\$165.00	Subs 2013/14, 60th Birthday
bash		
Balmer Alan	\$130.00	2 x 60 Birthday bash
Grant Brittain	\$100.00	Subs 2013/14
Rowan Cleary	\$172.09	Prom 2013, 2 x 60th Birthday
bash		
Richard Goudie	\$20.00	Social Subs 2013/14
Grainger Keith & Glenda	\$20.00	Social Subs 2013/14
Stephen Heath	\$198.00	Tank Test 2013
Jim Henderson	\$220.00	Subs 2013/14, Tank Test
Graeme Rees	\$528.40	Subs 2013/14, Robe deposit
2013, Prom 2013, 2 x 60th Birthday bash		
		(less expenses lodged via email
10/10/13 for trailer repairs and 60th		
		Birthday bash expenses @
\$481.03, leaves you owing the club \$47.37)		
Frank Reynen	\$88.00	Tank test
Wayne Salisbury	\$283.00	3 x 60th Birthday bash, Tank test
Bill Sandford	\$170.00	2 x Birthday bash, 2 years Social
Subs		
Stephen Snow	\$153.00	1 x 60th Birthday bash, Tank test
Gary Spencer	\$130.00	2 x 60th Birthday bash
Craig Starrit	\$196.00	2 x 60th Birthday bash, Tank
Test		
Total:	\$2,573.49	

Joe Arlove

BRUDG – Treasurer



Below is a visual safety warning from the treasurer.

This is a reminder to all not to use the tow ball as a recovery point, just like we all do for most beach launch/recovery





Minutes.

MINUTES OF THE BLACK ROCK UNDERWATER DIVING GROUP HELD AT THE CELTIC CLUB ON TUESDAY 11 FEBRUARY 2014

Meeting opened	8.20 pm
Apologies	Hilary Ingram, Luke Conley, Steve Snow, Joe Arlove, Gary Payoff, Greg Richards, Arran?
Attendees:	Ross and Annette Joy, Michael Sestin, Joe Jakubczyk, Ron Dunlop, Alan Balmer, Rohan Cleary, Len Joyce, Greg Sauter, Grant Callow, Jon Halland, Alan Balmer, John Griffith, Jen Ch'ng, Ton van den Blink, Allan Conley, Graham Lye, Dan Wahrenberger, Graeme Rees, Gary Weston, Saskia Loer Hansen (and a couple of signatures I couldn't decipher). Guests: Ben Barnewall, Eric Legge Smith, Dave Trickey
Correspondence in:	Emails from SDFV about public liability insurance Emails about Compressor Allocation Dive Calendar Reminders from the Treasurer about debts and the need for members to clear the debts Requests for more information about BRUDG by 4 new prospective members [action: Secretary to respond] <i>Report accepted by: Allan C Seconded by: John G</i>
Business arising from previous minutes	Nil
Insurance	John reported that a proposal for third party liability insurance had been discussed at the 3 rd Feb SDVF meeting. A few clubs with activities involving the general public had pushed for third party liability insurance, and the proposal SDVF considered was based on SDVF taking up the insurance on behalf of all dive clubs at a total cost of \$5000 (based on the number of members in the SDVF clubs). There was extensive discussion about the proposal and BRUDG's risk profile. As we have limited public activity, views were expressed that it might not be worth the additional cost (\$500). Others argued that it might be worthwhile to secure insurance for the worst case scenarios e.g. of a compressor or tank incident which end up hurting the next door neighbour or his/her property.



	<p>The policy exclusions referenced transportation of boats and boats in the water. It wasn't clear if the third party insurance would cover when boats are launched or towed out of the water with ropes.</p> <p>Action: John to seek clarification on this matter <i>(and John has since confirmed that this scenario is NOT covered by the public liability insurance and should be covered by the boat insurance).</i></p> <p>A final decision on this would be taken at the next meeting</p>
Treasures Report:	<p>Bank status:</p> <ul style="list-style-type: none"> • Main account: \$2222.18 • Maxi account: \$3096.55 <p>Monies yet to be recovered are monies owed for SUBS, items purchased from Dive Imports, BRUDG' 60th party, and Tank test.</p> <p>Action: Members with outstanding debts to urgently pay up.</p> <p><i>Report accepted by: Jon Seconded by: Dan</i></p>
Safety report:	<p>The Safety Officer raised a couple of issues:</p> <ul style="list-style-type: none"> • No Club related accidents or injuries reported this period. • The BRUDG Cardiac Science G5 AED was returned for warranty service due to a recall on wed 5th Jan. Joe Arlove dispatched the unit via courier, and noted that the unit was 'beeping' when he removed it from his boat. So a good reminder to keep checking those units and also other safety gear as operational - EPIRB's, flares, oxy viva's etc. • Note: Death of diver on back beaches last month. Appears to have been solo. Reminder that what we do is inherently dangerous, don't get complacent. • One club boat apparently had flat battery on the water... • Reminder that dive computers can and do fail. Dan's computer malfunctioned on a dive to Blairgowrie Pier last month, reading 9m deeper than actual. Was showing 9m underwater and with over 2hrs deco obligation whilst driving home. Turned out to just need a reset and fresh battery. Have a backup plan ready just in case. • With the current hot weather, reminder to watch out on the water for heat stroke (Hyperthermia), sunburn (Slip slop slap..), wear UV sunglasses to protect eyes and keep your hydration levels up. Hot weather and tank air really suck the moisture out of you fast and that is a major risk factor for DCS, if you think you might be dehydrated factor that in and dive a more conservative profile. <p>Len Joyce raised another issue. On a recent dive at Lonsdale Wall, Len had surfaced without a SMB to only narrowly avoid being hit by a Dive Victoria boat passing the dive boat (carrying a dive flag) at high speed. The speed was clearly too high considering the dive flag, and it was a near miss. While this was clearly an unacceptable situation, another diver commented on the fact that a Dive Victoria dive boat and another commercial dive boat had come up to check on two BRUDG divers last weekend when seeing them in the water for some time waiting for the BRUDG boat to pick them up.</p>



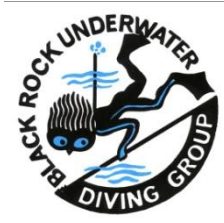
	<p>Lesson learned: always use a SMB when surfacing, in particular in busy areas like the Heads.</p> <p>Action: President to write a letter (to Police, SDVG and Dive Victoria about the incident and the need to retain a safe distance to dive boats carrying a dive flag).</p> <p><i>Report accepted by: Saskia Seconded by: Ben</i></p>
Social Report	No report
Dive Calendar & Reports	<p>Hillary had circulated the dive calendar to all club members in an email.</p> <p>Grant provided an update on the upcoming Refuge Cove weekend – weather permitting. Action: Any other divers and boat owners interested in going should let Grant know asap.</p> <p>Wayne is organising the diving for the Labour Day long weekend and had suggested Arch Rock. Decisions would need to be made asap about how many divers are going and if campsites would be required to ensure availability. Action: Interested dives and boat owners should let Wayne asap.</p> <p>The club discussed a proposal for a club trip to Tasmania next Christmas or Easter 2015. There was interest by a number of members in going over Easter 2015. Action: Graeme to circulate proposal to all club members.</p> <p>Tom encouraged more club members to join the upcoming trip to the Philippines (departure on 29 March and week's live-aboard and then a week at a resort). Action: other interested divers to let Tom know asap.</p>
SDFV:	<p>John provided a report from the last meeting of the SDFV (in addition to the broader public liability insurance discussion). Issues covered included:</p> <ul style="list-style-type: none"> • The proposed revisions to the Abalone catch regulations had now been scrapped by the new Minister, so no changes are likely to happen in the near future. • The BRUDG SDVF annual membership fee had been paid. • The Marine Parks Review is under way and there will be another opportunity to comment on the review in April. • SDVF encouraged club members to take part in the Bloke Days Out health initiative. • Discussion about whether or not it was appropriate for young children to dive – prompted by a VSAC member whose 11 year old daughter had qualified for diving while overseas and was keen to go diving with VSAC. <p><i>Report accepted by: Grant C Seconded by: Michael S</i></p>
General Business:	<p>Compressor allocation</p> <p>The club discussed compressor allocation. Currently, the club had an unallocated compressor (spare 5 cfm)</p>



	<p>The Committee had considered a couple of principles that would inform compressor allocation including geographical spread, Machine availability, perceived electro-mechanical aptitude of the host to look after the machine and deal with routine problems and Seniority (years of membership and service) within the Dive Group.</p> <p>Graeme had circulated a spreadsheet proposing regional groupings that could inform the decision.</p> <p>There was extensive discussion about this and about whether or not the club had a sufficient number of compressors. Furthermore, that if a new compressor was to be purchased, would it be most appropriate to buy or to go for a smaller more portable compressor for use on club weekends (3.5 chm / 5.0 cfm). Grant indicated that if the club wasn't willing to buy a small compressor, there were enough divers in the geographical area around Hurstbridge/Eltham/Greensborough that were willing to just go ahead and buy a private compressor to enable more dive trips.</p> <p>There were no willing compressor hosts in the bay-side area nor anyone who could host one of the two large 7.5 cfm machines.</p> <p>It was noted that one diver used his own compressor to fill other another member's tank and that this wasn't an appropriate situation.</p> <p>Alan Balmer expressed interest in hosting a compressor.</p> <p>Actions: Allan C to check if there were compressors for sale and if so, which types (3.5 chm / 5.0 cfm). Allan C to talk to Darren to establish if there were problems with the compressor Darren had hosted. Continued discussion about compressor allocation between now and next meeting. Committee to present a proposal to the next meeting.</p> <p>Web updates As the last agenda item, Greg S flagged that he was going to update the website and that he would circulate a google document to elicit input for the edits. Action: Greg to circulate document and members to comment.</p>
Raffle won by:	No raffle

Meeting closed at 22.15.

Please note there was no formal meeting in January and the Editor still awaits receipt of the December 2013 minutes that will be in the next edition.



Application for Membership

BLACK ROCK UNDERWATER DIVING GROUP

'Victoria's Oldest Diving Club'

Name of Applicant_____

Home Address_____

Partner (optional) _____

Phone Numbers, Home_____ Work _____ Mobile_____

(Do not provide a number you do not wish used)

Email Address_____

Date of Birth_____ (Applicant's must be 18 years old to join.)

Diving Certification: _____



(At least one basic qualification is needed for full membership.)

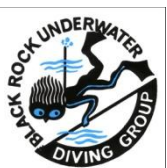
There is a 3-month probationary period and applicants must fulfil at least one dive with the Safety Officer or his nominee not exceeding 20 meters to demonstrate competency. All applicants must have as a minimum Open Water certification and be medically fit to dive. Social (non diving) members do not require certification. All applicants must complete a separate *waiver of liability* which will be provided by a committee member. The joining fee for full members is \$75 plus an additional annual fee of \$100. (Total initial cost \$175 for the first year.). A quarterly prorated annual fee will be assessed if the applicant joins late in the year. Diving members and guests contribute to the boat running costs (based on current fuel prices) and are not included in annual fees.

The information you provide will be added to the membership list, which is available to all members. Membership information is for club use only and applicants agree not to provide it to non-members or to use it for any purpose other than club business.

The information provided by me is true and correct and I agree with the conditions above.

Signature: _____

Date: _____





Address All Correspondence:

BRUDG/Black Rock Underwater Dive Group

c/o Celtic Club

320 Queens Street

Melbourne, 3000



www.brudg.org.au