

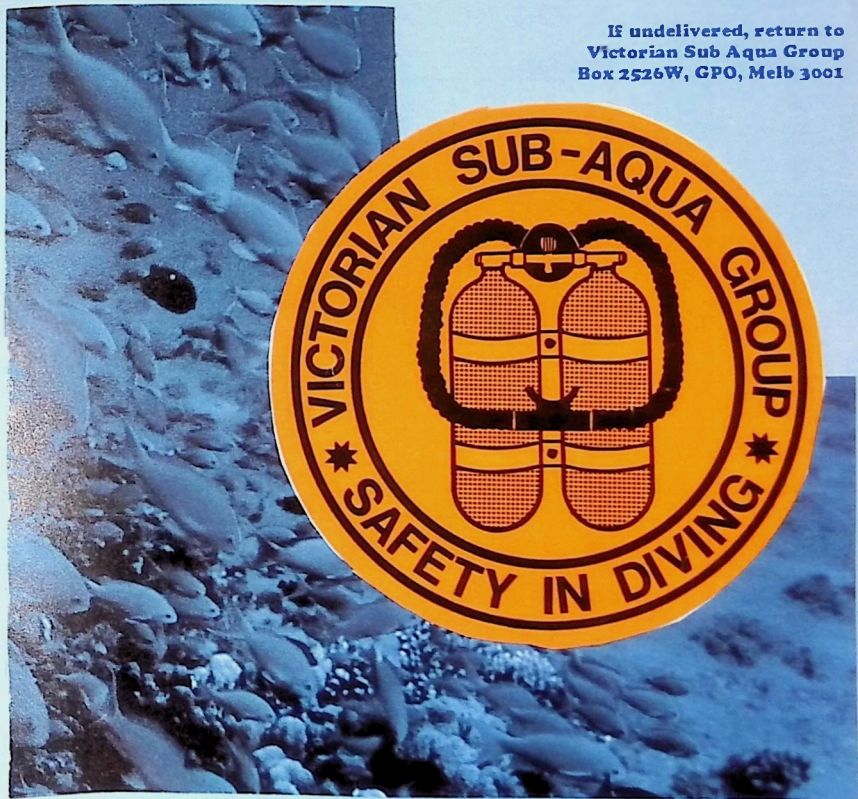
FATHOMS

\$5

OCTOBER - NOVEMBER 2001

Registered for posting as a
publication Category B
Print Post Approved
PP332873/0035

If undelivered, return to
Victorian Sub Aqua Group
Box 2526W, GPO, Melb 3001



VSAG

Victorian Sub-Aqua Group

FATHOMS



Official journal of the Victorian Sub-Aqua Group

In this issue...

Article	Author	Page
VSAG Committee Members		2
Editorial	John Lawler	3
Close Encounters of the Marine Kind	John Ashley	5
VSAG Car Rally	Peter Vleugel	6
Diveline D-News (article)	Brett Morgan	7
Media Items of Interest		9
Dive Report 4 November	Meg Johnson	12
Xmas Party Info		15
Diver Friendly Web Sites		16
VSAG Dive Calendar		17
Tide Tables		18
Emergency Contact Information		20

Forthcoming General Meetings

Bells Hotel
157 Moray Street
(cnr Coventry St.)
Sth Melbourne 8.00 pm
Thursday 15 November
Thursday 20 December
Thursday 19 January

Forthcoming Committee Meetings

Leighoak Hotel
1555 Dandenong Road
Oakleigh 8.00 pm
Monday 12 November
Monday 10 December
Monday 17 January

Editorial Submissions to:

John Lawler
7 Cloris Avenue
Beaumaris 3193
Jylawler@tpgi.com.au

ACN 004 591 575

*SDF Delegates

VSAG Committee Members

President

Peter Vleugel*
 22 Bay Road Mount Martha 3934
 5974 3191 (home)
 5974 3200 (work)
 0418 315 484 (mobile)
 crest.bco@satlink.com.au

Vice President

Andy Mastrowicz*
 224 Wattle Valley Road Camberwell 3124
 9809 0984 (home)
 9201 7117 (work)
 0402 060 711 (mobile)
 amastrow@agi.com.au

Secretary

John Mills
 10 Wells Avenue Boronia 3155
 9761 0960 (home)
 9369 2377 (work)

Assistant Secretary

Leo Maybus
 2 Olsen Court Mooroolbark 3138
 9727 1568 (home)
 0418 375 102 (mobile)

Treasurer

Priya Cardinaletti
 PO Box 864 Boronia 3155
 9761 0960 (home)
 0414 310 727 (mobile)
 pcardina@vicnet.net.au

Assistant Treasurer, PR & Meetings Coordinator

Meg Johnson
 148 Brunswick Road Brunswick 3056
 9387 6519 (home)
 0411 253 489 (mobile)

Newsletter Editor, Assistant Social Secretary

John Lawler*
 7 Cloris Avenue Beaumaris 3193
 9589 4020 (home)
 0414 922 916 (mobile)
 Jylawler@tpgi.com.au

Assistant Newsletter Editor

Bruce Dart*
 12 Alicdi Avenue Frankston 3199
 9787 6318 (home)
 0407 331 544 (mobile)
 maritek@peninsula.hotkey.net.au

Assistant Newsletter Editor

Steve Jacoby
 529 Station St Carrum 3197
 9772 2635 (home)
 0412 352 617 (mobile)
 steve.jacoby@nre.vic.gov.au

Points Scorer, Social Secretary

Gerry DeVries
 16 Vitner Avenue Croydon 3136
 9725 2381 (home)
 0417 324 608 (mobile)

Property Officer, Safety Officer

Pat Reynolds
 14 Nurla Court Frankston 3199
 9789 1092 (home)
 0497 334 276 (mobile)

*Committee Meets the Second
 Monday in the Month at the Leighoak
 Hotel (8PM)*

EDITORIAL

John Lawler

At this time last year I wrote that I was submitting my last editorial for Fathoms as Josie Mare was taking over the role. Well I am now back again as your editor and it is with much pleasure that I take on this role for our Club.

The input that Josie devoted to Fathoms should not pass without specific mention to the style and effort which went into each edition of the Magazine and to her credit, most of the work was done solo by Josie. On behalf of the members and the Committee, thank you Josie for your valuable contribution to the Club and Fathoms as editor. Josie has found it necessary to resign from the Committee due to an increasing work load.

Helen Fryday has done a great job also in her role as Social Secretary over recent times, and the social side of VSAG has been all the better for Helen's contribution. Thank you very much to Helen from all at VSAG.

Another special thank you, two in fact, go to Paul Tipping and Terry Brooks for their most fastidious assessment of the articles, which culminate in the VSAG Literary Award. Thanks to you both Paul and Terry, your progressive input is very much appreciated.

We are now fortunate to have Steve Jacoby join the Committee and Steve will become a very important part of a "new team" who will all have input into bringing Fathoms to you, as well as other valuable contributions in the general activities of the Committee. Welcome to you Steve.

As all of us are well aware, time today is always very short and any additional imposition outside the norm is demanding. Therefore the functions of putting Fathoms together will now be carried out by a mainstream team of four committee members....

Meg Johnson will handle and prepare the Media Watch, Steve Jacoby will construct the magazine, Andy Mastrowicz will handle the preparation of the cover, Bruce Dart will handle all the printing and postage and my role will be to co-ordinate all the functions for Steve and prepare the editorial. Please forward all communications for Fathoms to John Lawler.

Congratulations to Peter Vleugel who has taken on the role of President again for the next term and the Committee and members thank Peter for the job well done in the past term. All the Committee positions are listed in this edition.

We are coming out of winter and the diving has been somewhat poor due to all sorts of negative diving conditions, but smile everybody 'cause summer is not too far away! Just a reminder to all who may have totally hibernated to have the dive gear serviced or at least checked out if it has not been used for some time.

VSAG motto.... " Safety in Diving"!!

The dive calendar is now detailed right out to early February 2002. VSAG Christmas Party will be a hoot at Milanos on December 7th, the club will venture to Jervis Bay for Christmas, Mick Jeacle has an overseas trip lined up for around May 2002 and yours truly is off to Albany in November to take part in the final preparations for the sinking of HMAS Perth on 24/11 at 3.08pm, and to be in the first wave to dive on the wreck on 26/11! Wow!

Finally members..... ARTICLES PLEASE....Your car won't run without fuel...your magazine will not be printed unless we have articles....please, will each member submit at least one article this year. Thank you.

Happy and safe diving.

John Lawler

Close Encounters of the Marine Kind.

Diving down at the Prom over the Easter weekend away was sensational, even though the viz was down, some even would say that Leo's viz was a bit foggy at about 8.00 o'clock at night. One of the best experiences of my diving life happened on the Sunday whilst diving between McHugh and Citadel islands off the Glenny group. We were diving off Gavin's boat and Darren and myself had a great first dive then Gavin went in and had a beauty, where amongst other things he saw a 9 foot Bronze Whaler shark. As always somebody else sees all the good things, but that was all about to change. On my second dive with Darren we had a most wonderful dive from 25 to 42 metres, the face of the island was honeycombed with huge caves that had two or three arm's running in different directions with an abundance of sponges and corals all over the walls. This dive had to be one of the best dives that I've had on the Prom and it was about to get even better.

We had to do a lengthy deco stop at 10 metres, and after a 7 minute stop it was time to head to the surface for a hot cuppa, I looked over at Darren whose arm's and legs were going in every direction and his eyes where bigger than his mask, and I saw the first big shark I had ever seen in Victorian waters.

This is probably the same 9 foot Bronze Whaler that Gavin saw in dive one, it slowly cruised past Darren and it seemed to have a liking for Bobby Scott's fins which happened to be on my feet.

I finned very slowly because the last thing I wanted to do was get the thing excited, all that happened was the shark nudged my fins as if to feel what they were, then turned away and cruised back down into the depths.

I was absolutely stunned, I had an experience that you just cannot believe. There was no fear and the way the shark approached it was not the slightest bit aggressive which perhaps was the reason I could remain so calm, it was one of the most special experiences I have ever had whilst diving with the club and one which I will never forget.

John Ashley

VSAG CAR RALLY

23rd September 2001 by Peter Vleugel.

The day started at 11.00am at McDonalds carpark in Mornington. There were 23 participants in 11 cars on the day. The navigators were handed their rally kit questionnaire and plans for the rally. The course was set over approx 50 km which wound down the Peninsula towards Point Leo, Merricks and then back towards Mt. Martha with a stopover at Stoniers Winery for a tasting.

The meeting place at the finish of the rally was at Joseph Harris Park with barbecue facilities and large trees with plenty of shade. All participants arrived back safely but Ross and Chris Luxford were running late due to an extra wine tasting or two!

The usual VSAG social involvement was present at the park with a few drinks and savories. The trophies were then calculated and prizes awarded. First prize went to Ted and Jan Cornish with a tie for first with John and Priya Mills on 39 points. 2nd prize went to the Luxfords with 37 points and the third prize had to go to the couple that was the most hopelessly lost – which was Bob and June Scott. They just couldn't understand the directions and missed the first turn! They ended up at Arthurs Seat ... twice. Well done Bob and June. As I only purchased 3 bottles of wine, they got the BOOBY prize – a box of chockies.

It was very rewarding for us and a lot of fun to be able to put together this day as Chris and I had to drive the course twice and visit the winery to make sure the wines were up to speed! A great day was had by all thanks to all the participants who were: The Cornishes, the Mills, the Luxfords, the Brincats, the Jeacles, the Springalls, the Darts, Benice and Ryan and Pat. Thanks to all for enjoying a great day together.

We'll do it again soon.

Diveline's D-News

Brett Morgan

8 October, 2001

(This article is reprinted with the kind permission of the author)

Good old Melbourne weather, beautiful one day, completely cactus the next. Despite the less than amicable weather, a few people did manage to get out for a dive on the weekend (unfortunately I was diving in the pool). The visibility was a reasonable 6-8m and the water temperature is sitting at a comfortable 15 degrees.

I'm sure, by now, most of you would have heard about the diving mishap down at Portsea, on the weekend. As usual the media have completely misled the public. The diver in question had turned his tank valve on only half a turn, as he descended the regulator could not keep up with the demand for air.

The diver was unable to breathe, or inflate his BC. It is believed he either blacked out from a lack of air, or from a sinus squeeze (a result of descending too fast without equalising).

Fortunately for the diver, his buddies did eventually make contact with him on the bottom (28m deep on the North Wall). Using themselves as lift bags, they grabbed the diver, fully inflated their BC's and skyrocketed towards the surface. This is an act of sheer lunacy, complete idiocy and a total lack of proper training. It's beyond me how any of these divers escaped fatal lung over expansion injuries.

Accidents like this can be easily prevented simply by checking your gear, having it regularly serviced and performing a buddy check prior to entering the water. Maintaining good buddy contact underwater also goes a long way towards preventing mishaps. I've made it a habit on every dive, to stop at five metres on descent to establish the fact that my buddy has made it down past the surface and he/she is diving comfortably.

Once on the bottom, ascertain that all is OK with your dive team, before embarking on a safe and pleasurable dive.

The injured diver was airlifted to the Alfred. It is unlikely that he was suffering from decompression illness, (as stated in last night's news) as he had hardly breathed enough air from his cylinder to absorb any nitrogen. Had he been suffering from 'The Bends' both his two buddies would have more than likely be taking a ride in the pot alongside him, as they all dived the same profile, relatively. An air embolism (lung over expansion injury) would have been a more likely culprit. But from what I can gather, from various reliable sources, none of the divers were suffering from this injury either. What this diver suffered from was a near drowning. CPR was not administered and the diver was conscious shortly after surfacing. He should make a full recovery.

Incidents like this, although unfortunate, are a good wake up call to the rest of us, reminding us how important it is to do a simple two minute buddy check. Also, undertaking a rescue course not only improves ones' ability to rescue others, but also ones' ability to rescue ones' self.

Brett Morgan
Diveline

Who was that masked man?

Which well known VSAGer recently managed to get himself spiked by a stingray and bitten by a shark on the same dive? This must surely be some sort of record.

Witnesses on this (non-club) dive believe said diver was planning to surprise buddies with more than just scallops in his catch bag... unfortunately short term memory problems foiled his humorous prank.

Note to novice divers: prior to placing additional scallops in catch bag, best to remember if catch bag contains angry shark and / or ray.

SALVAGE

Raising the *Kursk*

A *Giant* will hoist the stricken *Kursk* from the bottom of the Barents Sea in the boldest salvage job in naval history

At 11:29h on 12 August 2000, the first of two explosions, equal to 1.5 on the Richter scale, ripped through the bow of a Russian nuclear-powered submarine. Two minutes later, a second explosion sent SSGN *Kursk* plunging to the bottom of the Barents Sea, to a depth of 108m, where the boat lay with her heel 25 deg on the port side and down seven deg by the bow.

However, weather permitting, the 24 000t displ *Kursk* will be raised later this month in the most audacious salvage project in naval history.

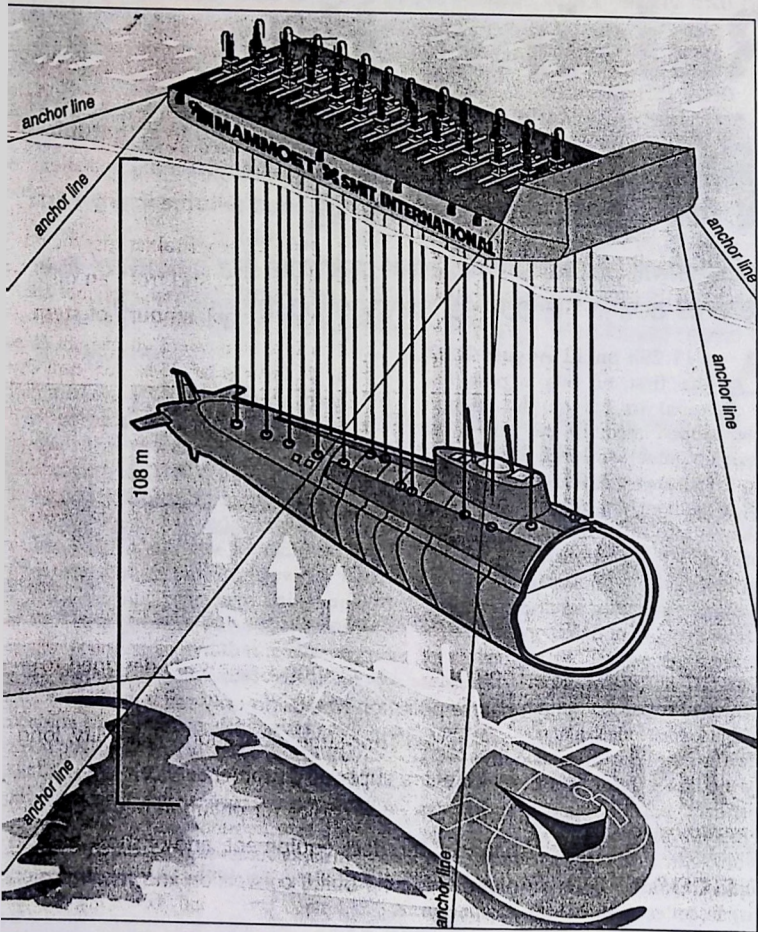
Following a contract signed in May between Dutch heavy lift and transport specialist Mammoet and the Kremlin, Mammoet and marine salvor Smit International have formed a joint venture (Mammoet-Smit) in order to hoist the submarine from the seabed. This collaboration will be put to the test, when the *Kursk* will be lifted and suspended below a specially-designed pontoon

for transportation to Murmansk, where she will be floated into drydock.

Preparations for the project, named the Special Mission Expedition, have been extensive and already there are a number of vessels in the area, either delivering essential equipment for the lifting operation, guarding the accident site, or monitoring the area for possible radiation leaking from the *Kursk*'s two OK-6506 nuclear reactors.

Speaking recently, Mr Van Seumeren, Director of Mammoet (Russia), said: 'We are working within a very complicated timetable, the period between the signing of the contract and the work itself is very small. We have solved all of the

The *Kursk* will be hoisted from the seabed by 26 strand jacks installed on *Giant 4*



Cables will be attached to the submarine with Mammoet plugs

the lifting dynamics.' The removal of the bow - in which the torpedo compartments are housed - was completed last month using a remotely-operated cutting chain comprising cylindrical drums covered with an abrasive. No divers were involved in the operation as experts did not rule out the possibility that torpedoes could be detonated. The bow will be salvaged later by the Russian Navy.

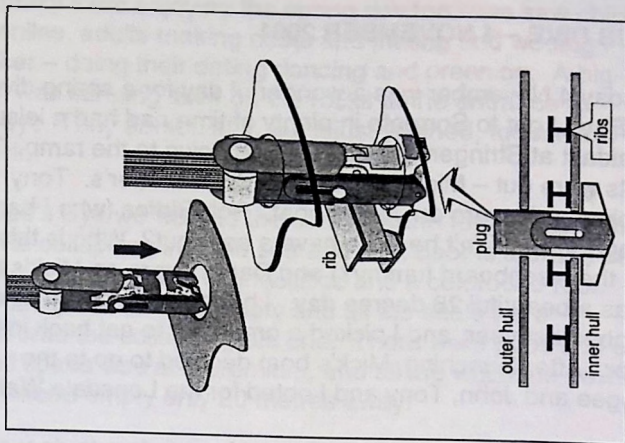
This work preceded the drilling of holes into the hull, using a Krylov Research Institute-designed high-pressure waterjet cutting tool, in order to attach cable fixing plugs that secure themselves between the boat's inner hull and ribs. Each of these plugs will be tested at twice the required force before the *Kursk* is raised.

technical problems and we hope that the weather will allow us to perform the operation observing all safety precautions.'

Weather conditions are being continuously monitored, but are expected to remain favourable for the duration of the project.

Since July, a deep-sea diving team from Norway's DSND Subsea and the Russian Federation, have been performing subsurface preparations for the lift. DSND has provided its diving support vessel *Mayo* to perform the preparatory work, which has included the washing of accumulated sand and silt prior to the cutting and removal of the submarines badly damaged bow.

Vice-Admiral of the Russian Navy Mikhail Barskov was concerned that the fore section would break off during the lift. He said: 'Our calculations show that if we start lifting the boat without cutting off the first compartment, the fore part could break off and this would upset



CLUB DIVE – 4 NOVEMBER 2001

Sunday 4 November was a wonderful day for a spring dive in the Bay. I got to Sorrento in plenty of time and had a leisurely breakfast at Stringers before heading down to the ramp. Two boats were out – Mick Jeacle's and John Lawler's. Tony Tipping and I were on John's boat. Rob Birtles (who I barely recognised – didn't he once have a beer gut? Who is this man with the washboard tummy?) and Darren were on Mick's boat. It was a beautiful 28 degree day. I hadn't been diving since October last year, and I picked a great day to get back in the water. After launching, Mick's boat decided to go to the Coogee and John, Tony and I opted for the Lonsdale Wall.

I've read that the government is seeking tenders to deepen the shipping channel which will most likely involve dynamiting the area of the Lonsdale Wall. Last year I had a magical dive on the Wall and I wanted to see it again before the demands of commerce destroy it forever (the ferenghi are taking over the world!). I still think it's the best dive site in the Bay.

Tony and I did a slack water dive on the wall. On the way out we saw a seal lazing along, as they do, one fin in the air. The water temp was 16 degrees and viz was not ideal, only about 7 or 8 metres at its best and a bit murky at that. It was still a nice dive though. I saw a very brave little crayfish that just sat out in the open staring at me and a couple of lovely shrimps. The fish were plentiful, some quite large, and I'm told that a seal was buzzing me on my safety stop but I was engrossed in watching the time and depth on my computer and missed it completely.

After Tony & I surfaced John did a reef dive on his own. We met up with Mick's crew at lunchtime and then headed off to Pope's Eye to watch the Gannets. One of the things I love about diving with John is his love of the Bay. The birds and the seals and the joy of being out on the Bay on a glorious spring day.

The Gannets were enjoying the spring day too – we saw chicks and juveniles, adults making nests and mating and wooing each other – doing their doting dancing and preening. A big bull seal was sunning itself on the rocks at the entrance to Pope's Eye. Tony barked at it, but it just yawned, too mellow to bark back.

After Pope's Eye we went to the seal platform for a while. The platform is collapsing into the sea and next door is a brand new one with world class sunning facilities and a colorbond roof. But the new platform was empty and all the seals were crowded onto the collapsing old one. There were pups and old bulls and space was at a premium, and all the while the new platform stood empty only 20 metres away!

We went and had a look around Portsea Pier then made our way back to Sorrento. The usual de-brief took place at Tony's Bar & Grill before the long drive back to town. It was a great start to the diving season.

Meg Johnson

A BALL'S UP IN WILLIAMSTOWN

Visitors to Williamstown who wander around the foreshore roads will be confronted by the presence of a curious square blue-stone tower topped by a large ball. The structure, known as the 'timeball' was built in 1852 as a navigational aid. As described in our July review of the book *Longitude* by Dava Sobel, in order to establish position at sea it is essential that a ship's master have an



accurate timepiece recording the time at port at some known longitude. As ships prepared to depart Port Phillip they could set the ship's chronometer precisely to Melbourne time by keeping a watch on the timeball. At exactly 1 p.m. each day the ball would be dropped from its elevated position

on its supporting post down to the top of the stone tower. This would be clearly visible to a distance of some miles out in the bay allowing seafarers to make their adjustments before heading out. The ball was in use till 1926 when developments in accurate (and portable) timepieces rendered it obsolete. It stands now as a reminder of days when it was considered reasonable to wait up to day just to set a clock.

10 ways to beguile a bored cephalopod

By JAMES WOODFORD
SYDNEY

How do you amuse an octopus? With great difficulty, says American aquarist Mark Rehling, who has spent years trying to entertain cephalopods while they are cooped up on display.

This week at an international zookeepers' conference at Taronga Zoo in Sydney, he will detail the behavior-enrichment programs he has put in place for octopuses at the Cleveland Metroparks Zoo.

When you look at an octopus it looks back, Mr Rehling says. "They are naturally inquisitive. In the wild they're not couch potatoes munching chips; they actively have to work for their food," he says.

Octopuses are thought to be the smartest of all invertebrates, rivaling many land animals in intelligence. Because they are not limited by bones and have eight independently mobile limbs they have great physical dexterity and strength. These qualities allow them to solve a range of puzzles where food is offered as a reward.

Mr Rehling says he constructed various prey puzzles for the captive octopuses, each of which had "a different size, shape and challenge in order to provide as wide a range of stimulation as possible". A pretzel jar with a crab inside was the first prey puzzle offered to the Cleveland octopuses — within 20 seconds they had unscrewed the lid and the crustacean was a goner.

Even the most challenging puzzle invented to date (a miniature revolving door inside a plastic canister) takes an experienced octopus just minutes to conquer.

"A progression of complexity seemed to be necessary as each device was made," Mr Rehling says. "It quickly became a challenge to stump the octopus, but that was rarely accomplished for any duration of time."

In some cases, puzzles that would leave a primate scratching its head were solved by an octopus in as little as six seconds.

"The benefit of prey puzzles is for the folks who come to see the displays," he says. "It makes for a wonderful demonstration."

JERVIS BAY

**ould all those VSAG members and families going
Jervis Bay at Christmas please arrange for their
Final accommodation payments to be made by**

1st DECEMBER

**Cheques to be made payable to VSAG
Contact Andy on
9809 0984**

IMPORTANT NOTICES



USAG XMAS PARTY

Friday 7th December, 2001

From 7pm

At Milanos,

Beach Road Brighton Beach

(near South Road)

\$35 per head

**(entrée, main, chesses & dessert wine
vegetarian meals available, drinks at bar prices / PAYG)**

\$10 Charge upon entry for

USAG Raffles / Prizes!

Diver Friendly Web Sites:

One of the most useful web sites for divers frequenting the Port Phillip heads area would have to be the Victorian Channels Authority site at:

www.vicchannels.vic.gov.au


Offering 4 camera views from Point Lonsdale Lighthouse the site gives divers a great indication of current conditions in and around the heads. Give it a try next time you're on-line (tip – best during daylight hours!)

Victorian Channels Authority - Internet Explorer From OptusNet

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print

Address http://www.vicchannels.vic.gov.au/web_cam5.asp

Victorian Channels Authority  Home Site Index Contact


[Shipping Management Centre](#) | [Pt Lonsdale Lighthouse](#)

Camera 1 - Pt Lonsdale Lighthouse

[Camera 1](#) | [Camera 2](#) | [Camera 3](#) | [Camera 4](#)

Point Lonsdale Beach, Barwon Heads in Distance

17:30:58 5-NOV-2001



Point Lonsdale Beach. At night the lights of Barwon Heads may be seen.
(Picture updates automatically)

Done

VSAG DIVE CALENDAR

Date	Location	Dive Captain	Phone	Meeting Point	Time
------	----------	--------------	-------	---------------	------

NOVEMBER

15	General Meeting			Bells Hotel	8PM
25	TBA	Andy	9809 0984	Flinders	9.00

DECEMBER

2	Ramsden	John L	9589 4020	Sorrento	9.30
7	VSAG Xmas Party	Helen	9417 7513	Milanos	6PM
9	90' Sub	John Mills	9761 0960	Sorrento	9.30
16	Deep & Scallop Dive <i>(seal swim followed by BBQ / picnic lunch on foreshore)</i>	John L	9589 4020	Sorrento	10.00
23	Get a Cray for Xmas	Priya C	9761 0960	Sorrento	9.30
25-	Xmas at Jarvis Bay	Andy M	9809 0984		
30	Heads Area	Bruce D	9787 6318	Sorrento	9.30

JANUARY

6	Local Diving	Meg J	9499 6654	Sorrento	9.30
12	Night Dive	Leo M	9727 1568	TBA	7.30
13	Heads Area	John L	9589 4020	Sorrento	9.30
17	General Meeting			Bells Hotel	8PM
20	90' Sub	Pat R	9789 1092	Sorrento	9.30
27	Nepean Wall	Peter V	5974 3191	Sorrento	9.00
28	130' Sub	Leo M	9727 1568	Sorrento	9.30

FEBRUARY

3	Local Diving	Gerry	9725 2381	Flinders	9.00
10	Family Day	Andy M	9809 0984	Rye Jetty	10.00
17	Flinders Area	John L	9589 4020	Flinders Jetty	9.00

*Dive Calendar is subject to change
Please check details with Dive Captain*

DIVE CHECK IN TIMES

Boat Owners 5.00 to 6.00pm

Divers 6.00 to 7.00pm

BOOKINGS CLOSE AT 7.00pm. DO NOT PHONE AFTER THAT TIME. THE DIVE CAPTAIN IS RESPONSIBLE FOR THE ALLOCATION OF DIVERS TO BOATS

Port Phillip Heads - Tidal Streams

Lat 38° 18' Long 144° 37' Time Zone -1000

Times of Start of Flood and Ebb (Slack) Water. Add one hour for Official Summer Time

November - 2001

Time m	Time m	Time m	Time m	Time m
1 0230 ebb TH 0847 flood ○ 2052 flood	9 0113 flood FR 0815 ebb ○ 1902 ebb	17 0403 ebb SA 1505 ebb ○ 2158 flood	25 0215 flood SU 1520 flood 2055 ebb	
2 0329 ebb FR 1444 ebb ○ 2128 flood	10 0156 flood FR 0855 ebb SA 1433 flood 2002 ebb	18 0451 ebb SU 1547 ebb ○ 2308 flood	26 0256 flood MO 1622 flood 2210 ebb	
3 0413 ebb SA 1517 ebb ○ 2203 flood	11 0243 flood SU 0939 ebb SU 1535 flood 2121 ebb	19 0534 ebb MO 1116 flood MO 1629 ebb 2315 flood	27 0347 flood TU 1022 ebb TU 1731 flood 2347 ebb	
4 0454 ebb SU 1550 ebb ○ 2240 flood	12 0341 flood MO 1030 ebb MO 1700 flood 2258 ebb	20 0614 ebb TU 1708 ebb ○ 2351 flood	28 0503 flood WE 1108 ebb WE 1833 flood	
5 0534 ebb MO 1623 ebb ○ 2316 flood	13 0500 flood TU 1127 ebb TU 1828 flood	21 0650 ebb TH 1232 flood WE 1748 ebb	29 0115 ebb TH 0654 flood TH 1159 ebb 1925 flood	
6 0615 ebb TU 1556 flood ○ 2355 flood	14 0038 ebb WE 1227 ebb TU 1935 flood	22 0027 flood TH 0723 ebb TH 1310 flood 1829 ebb	30 0221 ebb FR 0815 flood FR 1247 ebb 2011 flood	
7 0656 ebb WE 1734 ebb ○ 2300 flood	15 0202 ebb TH 0807 flood TH 1325 ebb ○ 2029 flood	23 0102 flood FR 0755 ebb FR 1349 flood ○ 1911 ebb		
8 0033 flood TH 1306 flood ○ 1815 ebb	16 0309 ebb FR 0907 flood FR 1417 ebb 2115 flood	24 0138 flood SA 1431 flood ○ 1958 ebb		

© National Tidal Facility - The Flinders University of South Australia

Port Phillip Heads (Pt Lonsdale)

Lat 38° 18' Long 144° 37' Time Zone -1000

Times and Heights of High and Low Waters. Add one hour for Official Summer Time

November - 2001

Time m	Time m	Time m	Time m	Time m
1 0546 0.55 TH 1147 1.18 ○ 1800 0.33	9 0520 1.41 FR 1707 1.21 ○ 2300 0.19	17 0112 1.59 SA 1254 1.34 ○ 1853 0.04	25 0632 1.25 SU 1215 0.50 SU 1838 1.05	
2 0037 1.33 FR 1230 1.23 ○ 1835 0.24	10 0608 1.34 SA 1801 1.17 ○ 2349 0.27	18 0200 1.64 SU 0729 0.49 SU 1339 1.36 1937 0.02	26 0020 0.47 MO 1303 0.51 ○ 1947 1.02	
3 0118 1.43 SA 1309 1.27 ○ 1910 0.17	11 0703 1.28 SU 1911 1.14	19 0245 1.65 MO 1420 1.35 2020 0.04	27 0111 0.56 TU 1401 0.49 ○ 2107 1.05	
4 0158 1.51 SU 1348 1.30 ○ 1944 0.12	12 0047 0.38 MO 1337 0.47 ○ 2042 0.16	20 0325 1.61 TU 1500 1.32 2101 0.08	28 0213 0.65 WE 1510 0.45 ○ 2116 1.12	
5 0237 1.56 MO 1427 1.30 ○ 2019 0.09	13 0159 0.48 TU 0912 1.23 TU 1455 0.40 2206 1.25	21 0403 1.54 WE 1539 1.28 2142 0.14	29 0332 0.70 TH 1616 0.38 ○ 2316 1.23	
6 0316 1.56 TU 1858 0.46 ○ 2057 0.08	14 0323 0.55 WE 1611 0.30 2316 1.37	22 0440 1.47 TH 1618 1.22 2221 0.21	30 0455 0.70 FR 1709 0.29	
7 0356 1.53 WE 1935 0.47 ○ 2135 0.10	15 0445 0.58 TH 1113 1.27 TH 1714 0.19	23 0515 1.39 FR 1700 1.16 ○ 2259 0.29		
8 0437 1.48 TH 1014 0.48 FR 1622 1.25 ○ 2215 0.13	16 0017 1.50 FR 1205 1.31 ○ 1805 0.09	24 0553 1.31 SA 1745 1.10 ○ 2338 0.38		

© National Tidal Facility - The Flinders University of South Australia

Port Phillip Heads (Pt.Lonsdale)

Lat 38° 19' Long 144° 37' Time Zone +1000

Times and Heights of High and Low Waters. Add one hour for Official Summer Time

December - 2001

Time m	Time m	Time m	Time m
1 0007 1.34 SA 1143 1.17 ○ 1752 0.21	9 0553 1.40 SU 1801 1.21 2343 0.33	17 0143 1.57 MO 1313 1.27 1916 0.07	25 0629 1.25 TU 1907 1.08
2 0053 1.45 SU 1231 1.21 1832 0.13	10 0642 1.34 MO 1917 1.19	18 0226 1.57 TU 1357 1.27 2000 0.08	26 0031 0.56 WE 1312 0.38 2015 1.09
3 0716 0.57 MO 1317 1.25 1914 0.08	11 0038 0.45 TU 0735 1.29 1328 0.32 2042 1.22	19 0306 1.55 WE 1438 1.26 2041 0.12	27 0123 0.65 TH 0757 1.16 1401 0.35 2125 1.14
4 0219 1.57 TU 1402 1.27 1954 0.05	12 0141 0.57 WE 1435 0.28 2155 1.28	20 0342 1.50 TH 0916 0.45 1518 1.23 2120 0.16	28 0225 0.73 FR 1459 0.31 2230 1.21
5 0301 1.58 WE 1445 1.28 2036 0.04	13 0255 0.63 TH 1544 0.22 2301 1.37	21 0415 1.46 FR 1557 1.20 2046 0.22	29 0340 0.77 SA 1602 0.26 2331 1.31
6 0344 1.56 TH 1529 1.28 2120 0.07	14 0144 0.68 FR 1646 0.16	22 0446 1.41 SA 1637 1.16 2232 0.29	30 0457 0.75 ○ 1053 1.12 SU 1703 0.18
7 0426 1.51 1001 0.43 FR 1614 1.27 2203 0.13	15 0000 1.46 SA 1132 1.24 ● 1741 0.11	23 0519 1.35 SU 1720 1.12 ● 2309 0.37	31 0025 1.40 MO 1156 1.16 1758 0.11
8 0508 1.46 1046 0.40 SA 1703 1.24 ● 2252 0.22	16 0054 1.53 SU 1225 1.26 1830 0.07	24 0552 1.30 MO 1803 1.09 2347 0.46	

© National Tidal Facility - The Flinders University of South Australia

Port Phillip Heads - Tidal Streams

Lat 38° 18' Long 144° 37' Time Zone +1000

Times of Start of Flood and Ebb (Slack) Water. Add one hour for Official Summer Time

December - 2001

Time m	Time m	Time m	Time m
1 0314 ebb SA 1335 ebb ○ 2053 flood	9 0141 flood SU 1443 flood 2022 ebb	17 0436 ebb MO 1517 ebb 2215 flood	25 0219 flood TU 1538 flood 2139 ebb
2 0400 ebb SU 1421 ebb 2134 flood	10 0228 flood MO 1547 flood 2140 ebb	18 0516 ebb TU 1604 ebb 2253 flood	26 0300 flood WE 1632 flood 2301 ebb
3 0443 ebb MO 1506 ebb 2215 flood	11 0319 flood TU 1659 flood 2309 ebb	19 0554 ebb WE 1648 ebb 2340 flood	27 0351 flood TH 1731 flood
4 0524 ebb TU 1550 ebb 2257 flood	12 0429 flood WE 1807 flood	20 0628 ebb TH 1731 ebb	28 0035 ebb FR 1040 ebb 1830 flood
5 0604 ebb WE 1636 ebb 2337 flood	13 0038 ebb TH 1132 ebb 1909 flood	21 0004 flood FR 1259 flood 1814 ebb	29 0151 ebb SA 1133 ebb 1928 flood
6 0644 ebb TH 1725 ebb	14 0155 ebb FR 1232 ebb 2003 flood	22 0038 flood SA 1335 flood 1858 ebb	30 0251 ebb SU 1836 flood ○ 2021 flood
7 0018 flood FR 1304 flood 1817 ebb	15 0258 ebb SA 1331 ebb ● 2052 flood	23 0111 flood SU 1412 flood 1944 ebb	31 0342 ebb MO 1334 ebb 2111 flood
8 0059 flood SA 1349 flood ○ 1916 ebb	16 0350 ebb SU 1939 flood 2135 flood	24 0144 flood MO 1452 ebb 2035 ebb	

© National Tidal Facility - The Flinders University of South Australia

Emergency Contact Information Mornington Peninsula Area

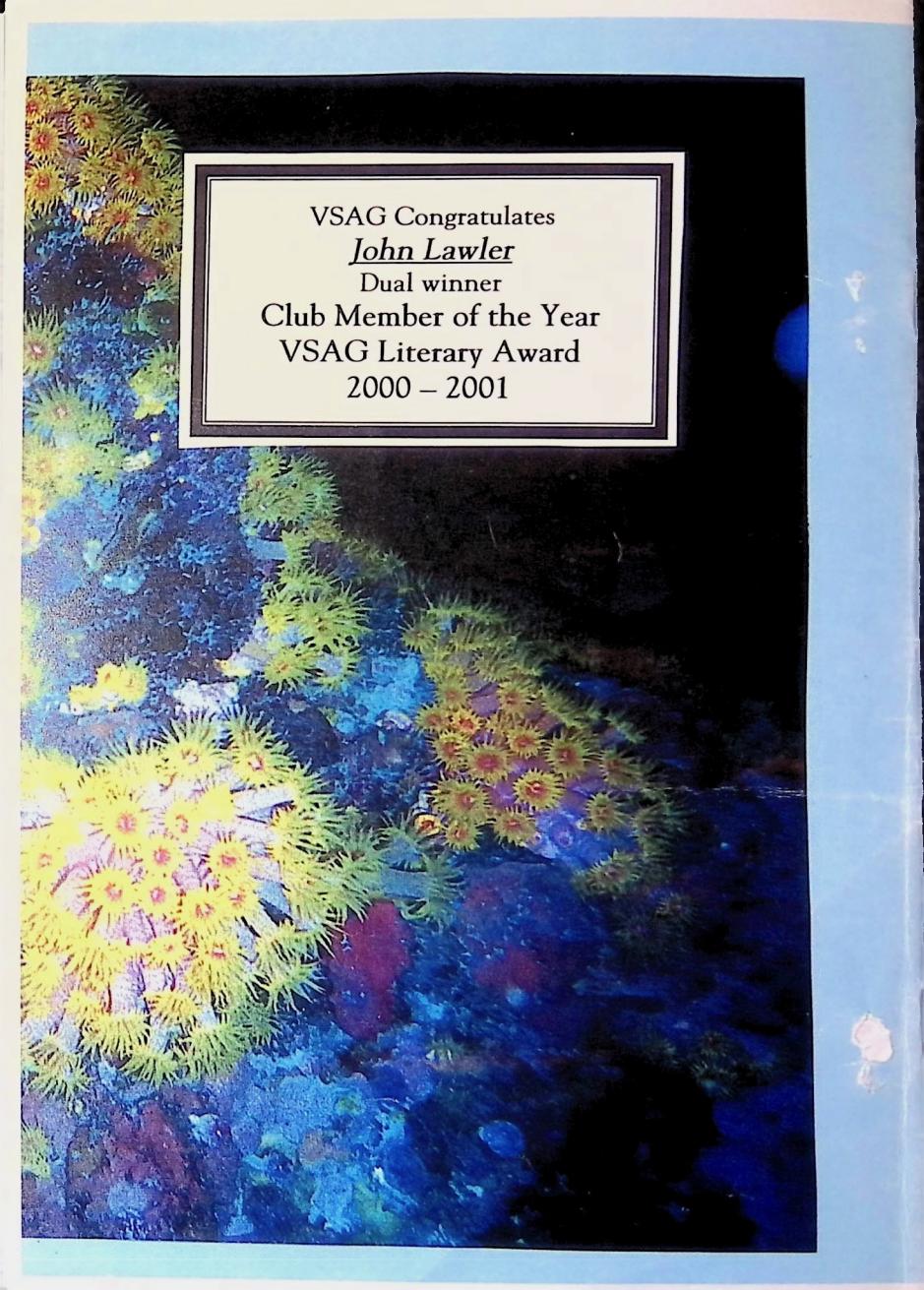
Police – Ambulance – Fire	000
Rosebud Hospital 1527 Nepean Hwy Rosebud	5986 0666
Frankston Hospital Hastings Road Frankston.....	9784 7777
The Bays Hospital Main Street Mornington.....	5975 2009
Mornington Bay Rescue Service	0419 233 999
Southern Peninsula Rescue.....	5984 4555
Diving Emergency Service	1800 088 200
Coast Guard (Hastings)	5979 3322
Coast Guard (Safety Beach)	5981 4443
State Emergency Service (SES)	26 14 68
Water Police.....	9534 2983
Melbourne Ambulance	11440

Diving Doctors

Dr Guy Williams (Rosebud).....	5981 1555
Dr J De BJ Dade (Mornington)	5975 5288

VHF Emergency Channel 16





VSAG Congratulates
John Lawler
Dual winner
Club Member of the Year
VSAG Literary Award
2000 – 2001