



**C.D.A.A. Newsletter**

**No. 117 - SEPTEMBER 2011**

**SENTINEL**

**CAVE DIVERS ASSOCIATION OF AUSTRALIA**

(Incorporated in South Australia)

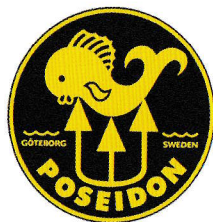
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### Cover:

#### Tank Cave

Divers:  
Agnes Milowka and  
Ken Smith

Photographed by:  
Liz Rogers

### CAVE DIVERS ASSOCIATION OF AUSTRALIA

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GUIDELINES is a newsletter of the Cave Divers Association of Australia. All articles for the following issue are to be sent to the designer, David Bryant. Email: seapicsdavebryant@gmail.com

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### CDAA INSURANCE

Policy Type: Combined Liability Insurance Policy# SY-CAS-08-041140  
Insurer: Liberty International Underwriters ABN: 61 086 083 605  
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Name Insured: Cave Divers Association of Australia  
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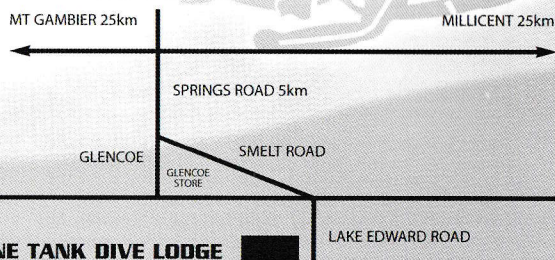
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## CAVE DIVERS ASSOCIATION OF AUSTRALIA

### Editorial

Hi all,

Wow! Doesn't time fly when you're having fun! Seems like only yesterday that the latest issue of guidelines arrived and here we are again with another great read.

This issue has come around earlier than usual due to the requirement to provide members with nominees, precis and voting slips for the upcoming CDAA election. Please take the time to submit your ballot, it is your chance to contribute to the democratic process of the CDAA and its importance should not be underestimated.

Also in this issue Dr Richard (Harry) Harris provides us with some insight into his important role as CDAA Safety Officer as well as information on the website incident reporting form.

Pippa Waterworth contributes a timely article on internet communications and how it relates to our effectiveness in communicating between CDAA members.

The trials and tribulations of exploration diving in the land of the Long White Cloud are described by Jamie Obern in a detailed explanation of the issues needing to be addressed in diving remote areas, some that will obviously strike a chord with Nullarbor divers.

Great to see some new advertisers on board and of course many thanks to our existing long term supporters.

Photographers, keep the great photos coming. In this digital age there really are some outstanding photos and video being taken by CDAA members.

Time to go diving!!!

Cheers Rick Nash – Publications & Records Director



Hello Cave Divers - It's early August and time is of the essence as we rush to get this issue to press allowing you all to vote for the upcoming AGM. I'm just back from Bali and as I rub my hands together to keep warm I can't stop thinking about diving through the Liberty Wreck in Tulamben, possibly as close as I'll ever come to Cave Diving, apart from the fact it was 27 degrees... but I did get a few coral cuts and stings. I guess it sums up how much we all enjoy our sport, no matter where we dive. I'm hoping to be at this year's AGM and Symposium so I hope you can come along and support your Association and maybe we can talk about your favorite warm water diving location... Happy reading!

All the best, Dave Bryant, Designer.



### Ads & Articles for Guidelines Dec. 2011 Deadline is Nov. 20th

- Send articles by email to [seapicsdavebryant@gmail.com](mailto:seapicsdavebryant@gmail.com) and [publications@cavedivers.com.au](mailto:publications@cavedivers.com.au)
- Text files should be saved as Word files or Simple Text
- If mailing please send jpegs and text on disc to PO Box 2198 Rosebud 3939.
- Pictures saved from digital camera or scanned from photos must be at least 200-300 dpi at 15cm wide, RGB files, and saved as Maximum Quality JPEG's.



# TECH DIVE

## New Zealand

Photo: Steve Trewavas

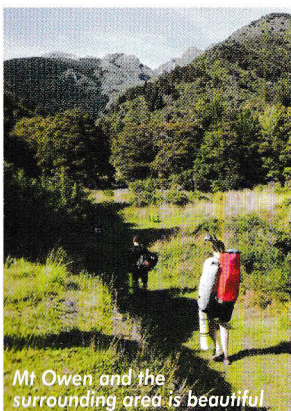
### Blue Creek Resurgence Trip Report: 18th - 26th February 2011

by Jamie Obern

Are you an avid Google Earth user, or do you prefer the touch and smell of a real paper map? Whatever your preference the existence of maps is something we take for granted in the modern world. It is almost inconceivable that we might go somewhere new without a map and although it might sound strange even the first astronauts had maps of where they were going. But what if I told you that right here on earth there are still places which are unmapped and unexplored; places not shown on Google Earth; places which have not been photographed by satellites and which no human has ever seen.

I'm talking about caves – the last true unexplored frontier.

Of course all the easily accessible caves were explored 100's of years ago, today what remains are only the most difficult, dangerous, inhospitable or inaccessible ones; or as cave explorers euphemistically call them, challenging. Blue Creek Resurgence in Kahurangi National Park in New Zealand is one of these caves. It is only accessible to divers and only during the dry summer months; it is located a long way from the nearest habitation; it is deep; it is very cold (6 degrees); and most excitingly for us all previous exploration has been extremely limited.



Mt Owen and the surrounding area is beautiful

I initially heard about Blue Creek in 2007, but at the time was not in a position to visit. I first visited in September 2009, when I did a non-diving day trip to check out the logistics. In January 2010, together with Mel Jeavons and James Croker I did my first dives into the cave, again checking things out. How tight was it? How clear was the water? How much flow? In April 2010, Mel and I went back, this time with Steve Baldwin and Peter Carruthers. We did 6 dives, going much fur-

ther into the system and taking a video camera with us. All the dives were still within the 'explored' part of the system, but they had a purpose – familiarisation, preparation, development. Little steps and although we weren't extending the limits of the known world we were learning what was required of us if we wished to do so. In February this year we took the next steps.

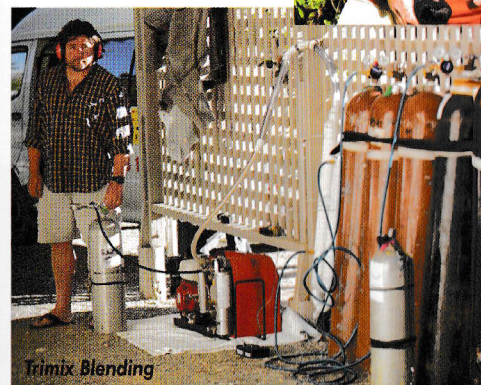
#### STEP 1: The Team

For this trip we decided to take a bigger team than previously, which reflected the additional goals we had set ourselves. There were 4 of us from NZ, James, Mel and myself as per the first trip, plus Mike Batey – who as well as being very keen and enthusiastic is also young, fit and strong – an important consideration when you have a vast amount of heavy equipment to carry. We were also joined by Steve Trewavas and Trent Lee from Australia, who brought a wealth of experience with them. Trent is a real Mr. Fixit type of guy (affectionately also known as an equipment geek), the type of person all expeditions need.

#### STEP 2: Equipment

Preparing for a week of diving in a remote location is not entirely straightforward. With the nearest town over 80km away and the one dive shop only offering air fills, having your own compressor and the ability to blend trimix is a necessity for such a trip. We purchased a compressor in 2010 and over the last few months we have built a portable trimix blending system, capable of filling tanks with whatever mixtures we require. Having enough tanks for such a trip is also costly: we used 24 dive tanks during this trip, plus had large oxygen and helium tanks with us. The other issue is tools and spare parts – enough to fix any of the dive gear, the compressor, the van and set up a habitat.

For those of you unfamiliar with the term, a habitat is a dry area of cave created by the use of either a large rigid box or



Trimix Blending

water tank type container, or a more flexible set up like an air tight tent. It is open at the bottom and filled with air to the same pressure as the surrounding water. The habitat is anchored to the cave in some way and allows the divers to duck inside and get out of the water, whilst still remaining at pressure for decompression purposes. (Hopefully the picture explains it better than my words.) The habitat we used on this trip had been designed and fabricated by Trent.

The final important equipment we had with us was to help us deal with the 6 degree water – battery powered heated vests and dry-gloves.



The Habitat

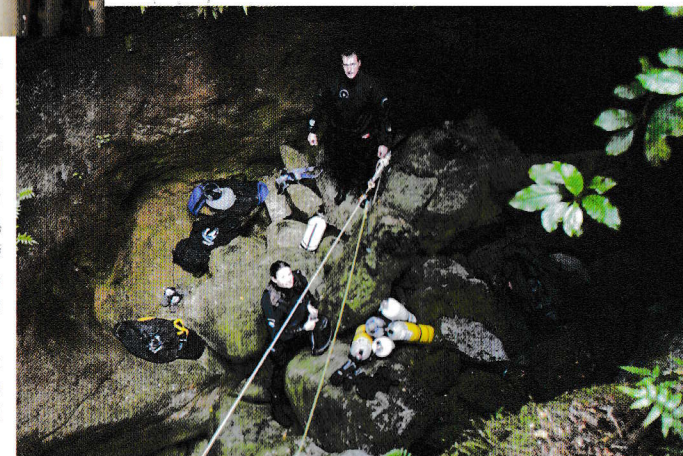
Steve modelling his heated vest



#### STEP 3: Access

Blue Creek is not on a main road unfortunately, but instead in the middle of a national park. After driving along 23km of gravel road you reach a grassy car park and from here it is a 1.7km bush walk to the entrance. And the entrance itself is not simple. The small crack you pass through to get to the entrance pool is set back and down into a rocky gulley, bounded on 3 sides by sheer rock walls and on the fourth side by a slope of slippery moss covered boulders.

On our last trip we had trialled hand carts for moving all the gear from the car park along the 1.7km track and we again made use of these. A cart loaded with a twin set and some dive gear can be moved up to the cave in about 25-30mins. However, the next part of our logistical exercise was a huge improvement from the last trip. We set up a zip-line from a tree at the end of the track right into the cave itself, and whilst his took an hour to set up the time saving was enormous. We could move a set of double tanks into the cave in only a couple of min-







'normal' factors associated with diving in an overhead environment, Blue Creek is cold, deep and in places quite tight. The entrance pool is large enough for 4 divers to be in the water at the same time, but once you descend down the 45 degree slope and pass the 15m mark you are forced to go mainly in single file. The bottom is a gravel slope and depending on rain fall and flow during the winter this slope can be anywhere from 1.5m to 50cm from the roof of the cave. In the latter case you have to push the gravel out

of the way in order to progress into the cave, knowing that all the while it is filling in behind you. You continue down the slope to about 35m where you reach an intersection with 4 tunnels. Dropping down the main tunnel you reach a pinch at 40m and then a big rift chamber at 45m. From here you drop down very quickly to 60m. From reading various reports from other would-be explorers most people don't make it to the end of the gravel slope at 35m.

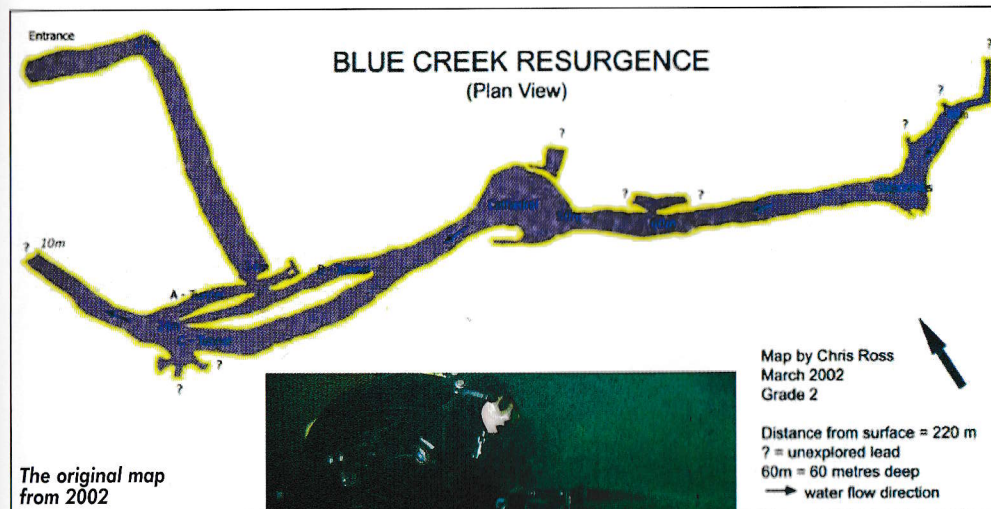
#### STEP 4: Diving

Diving in the cave is quite challenging. Apart from all the

of the way in order to progress into the cave, knowing that all the while it is filling in behind you. You continue down the slope to about 35m where you reach an intersection with 4 tunnels. Dropping down the main tunnel you reach a pinch at 40m and then a big rift chamber at 45m. From here you drop down very quickly to 60m. From reading various reports from other would-be explorers most people don't make it to the end of the gravel slope at 35m.



Photo: Steve Trawavus



The big upside to the cave is the visibility. Once clear of the gravel slope we had 10-15m visibility on every dive, which massively reduces stress and make mapping far easier. There are also various shallower tunnels to explore which allows less experienced team members to avoid big decompression obligations. In total we did 12 dives in the cave, which included our set up dives, mapping down to 44m, two photography dives and a familiarisation and exploration dive to 60m.

#### STEP 5: Mapping and Recording

As well as working out heating, habitat and equipment moving logistics our two main in water aims were to remap the cave and to take some good photographs. Back in 2002 Steve had helped to do a basic map of the cave (see map by Chris Ross), but we knew this map was inaccurate. We started by laying a main line down to the big rift chamber, tying off at 46m and then laid additional lines up two of the shallower side tunnels. Together with Mel and James I then surveyed all these lines, taking depth, azimuth and distance recordings as well as floor, ceiling and wall measurements. Currently we are waiting for Steve's mapping expert friend to compile all the data.

As for the photographs, well apart from the obvious problems of lighting, not blowing bubbles in the pictures, not creating silt etc. I think it best to simply show our results. (Steve took all the pictures shown below.)

#### NEXT STEPS

Overall this trip was a big success. The trimix blending

as always there are areas to improve. Firstly everyone needs dry gloves and heated vests. Thick 'lobster' mittens are ok for up to 90 minutes but after that they are too cold. Secondly we need a second compressor as back up, preferably a slightly larger one to save time. Thirdly the habitat needs a few tweaks. Trent designed it to slowly leak air from the seams, but it was leaking a little too much. We'll also make it a bit shorter so that it doesn't rub against the roof.

We've also got a list of few extra tools, spare parts and other little items which will make life easier. Roll on the next trip later this year!

Finally I have to mention the Christchurch Earthquake, which happened during our trip. None of us were in the water at the time but we could feel the shaking very clearly. When we re-entered the cave we couldn't spot any changes, but I'm glad we weren't diving at the time. Chalk up one more potential hazard for cave diving in NZ. We were however (slightly) impacted by the quake. I was due to give a presentation at a dive shop in Wellington (Splash Gordon) on our trip, but our ferry from Picton was hugely delayed due to refugees from Christchurch who 'just wanted to be somewhere the ground wasn't moving'. I hope they have all now found somewhere they feel safe.



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## 2011 Symposium Guest Speakers

This years Symposium features two Cave Diving Explorers, Brian Kakuk from the Bahamas and Nick Toussaint from Mexico.

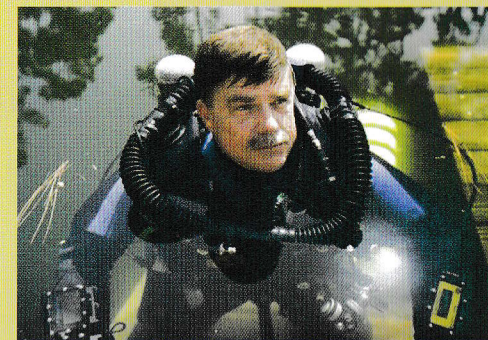
### Brian Kakuk...

Brian Kakuk is the Founder/Director of the Bahamas Caves Research Foundation and co-owner/operator of Bahamas Underground Technical Diving Facility.

Brian is a former U.S. Navy Hard Hat Diver with 27 years of professional diving experience. His work has taken him beneath nuclear submarines and aircraft carriers, to jumping from helicopters into 10 foot seas, to record penetrations of underwater cave systems around the world.

Brian's expertise in diving logistics and diving safety has been used widely in both the feature film industry and documentaries as a Diving Safety Officer, fixer, underwater double and stuntman and has experience in remote location logistics as well as studio, on-set work.

His research diving work as Diving Consultant for the National Museum of the Bahamas and various governmental and scientific institutions has revealed new species of cave adapted marine life and new species of extinct terrestrial animal fossils that are now repainting



the picture of the Bahamas past environment.

With more than 3000 exploration cave dives, Brian is considered one of the leading authorities on the underwater/underground environments of the Bahamas and is a veteran of multiple high profile underwater cave expeditions in the Bahamas, Mexico, Dominican Republic, Belize, Bermuda and the U.S.

### Nick Toussaint...

Nick Toussaint is an experienced diver and cave explorer. He is probably the most accomplished Mexican Cave diver and a worldwide re-knowned professional instructor to all levels.

He shares his passion and knowledge about cave diving at conferences in various diving shows, articles and even sport TV shows around the world.

He started cave diving in Mexico, the most desired location for recreational cave diving and acquired a TDI and NSS-CDS certification in the mid 1990's. He has dived just about every cave system in Mexico. Starting in Quintana Roo, Merida and Tamaulipas and explored many of them. He is also very familiar with popular cave diving sites in Florida and Europe.

In 2008 he received the Sheck Exley Award, with International endorsement, which is given for 1000 non training cave dives in at least 5 countries.

Nick was the first cave diver to take serious and safe exploration equipment to Mexico, and is the first Mexican pSCR rb80 diver and currently one of the most experience users in the world. He developed the Touzill system to promote safer pSCR diving and offer it in a free online website as PO2 drop calculator.

Now he dives the best light-speed compromise, fastest and most technological advanced DIR scooter available. For years, testing, consulting and developing equipment



for several brands, as well as user manuals and factory training, which culminate in, where he is currently CEO. Together with rb80 cave explorer Shane Jeckel holds the Mexico record for longest cave dive at 11.5hrs with a max penetration of 13000ft and with over 360ft-110mt in depth, enduring "maximum decompression". With over-all 200+ P3km cave dives, and a max penetration of 5km all under cave ceiling in both OC and RB80.

Nick is the Director and Founder in 2001 of an ongoing project in the Ejido Jacinto Pat, in Mexico Yucatan caves, probably the largest cave area in the World.



# CDAA Members Symposium

2011

**Port Education Centre,  
343-383 Lorimer St, Port Melbourne VIC.**

## Symposium Agenda:

**Saturday 24th September: 10am - 5pm.**

- Instructor Meeting 9am.
- Welcome and introductions - 10am.
- **Morning presentation by Brian Kakuk.**
- BBQ Lunch, Port Education Centre.
- **Afternoon presentation by Nick Toussaint & local presenters.**
- AGM at 6pm - see CDAA website for location.
- Saturday evening Dinner, Port Education Centre.

**Sunday 25th September: 10am - 3pm.**

- Welcome and introductions.
- **Morning sessions with Brian Kekuk and Nick Toussaint;  
- Rebreather and Sidemount Workshops**
- BBQ Lunch, Port Education Centre.
- **Afternoon sessions including Oxygen Provider & First Aid.**

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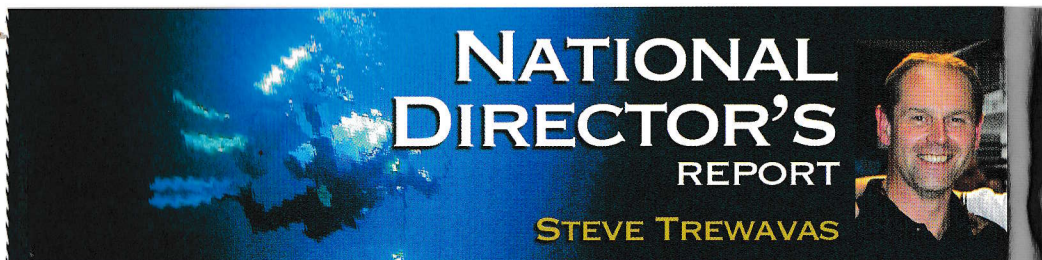
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## National Directors Annual Report 2010-2011

Another year down and my initial term as national director is now complete. In this issue of Guidelines the nominees for all positions appear. I would encourage you all to have a say in the future of your association and make the effort to fill in the ballot papers enclosed and vote. This is important from my point of view as it gives those elected the confidence that they have the backing of the membership to make decisions on their behalf with their support. I would like to formally express my gratitude to all office bearers and volunteers who have helped the association along in the past 2 years.

We are pleased to announce that we have insurance that will cover all people on site at Tank cave. This insurance cover will protect the CDAA and friends who may wish to enter the site, therefore I see no issue with members showing their friends and /or family our newest purchase. Our insurance policy will for the first time shortly be placed on line under the members section for transparency and ease of reference for members.

I am proud of the work done by our members with regard to the tragic death of much loved member Agnes Malowka which occurred on the 27th of February 2011 in Tank Cave. We intend to place a plaque in memory of 'Ag' on the property at Tank Cave in the very near future. I feel that the recent fatalities have been managed well by us, the media and the members under trying circumstances. May I express my thanks to all in that respect. I have completed statements relating to both inquests on behalf of the CDAA and have had a number of meetings with landowners and the police in the past 12 months. I am confident that the amendments to our regulations and site bulletins will address any concerns the coroner or local landowners may have. I appreciate change is confronting but in order to ensure the ongoing success of our sport I am confident these changes are made in the right spirit for

the benefit of all the members of the CDAA.

I recently re-read the AGM minutes from the recent meetings noting that in 2004 only 9 people were present for the meeting. With our introduction of the conferences we have seen numbers rise in excess of 100 each year. This year's conference looks once again to be an exciting event with guest speakers including Brian Kakuk from the Bahamas, Nick Toussaint from Italy as well as a number of local speakers. Please see the announcement in this issue or refer to the website for further information on the event. I hope to see many of you there this year, as we try for the first time an AGM in Melbourne. If this proves successful, next year we plan on holding the AGM in Adelaide allowing SA members the opportunity of travelling locally.

You will note several constitution changes that are submitted by individual members for voting. I would urge you all to think hard before voting on these. The constitution adoption put forward by Peter Horne relates to a document submitted incomplete to the directorate and in my opinion can not practically be adopted as is. New constitution changes that are very detailed are being prepared based on the constitution committees document. Several additional and reworded sections need to be included. It is our intention to then hold state meetings to discuss the individual sections before being sent to the members via a special mail out for voting. Each section I would suggest will need to have its individual vote and this is complex and time consuming. We anticipate this mail out by the end of the 2011.

### Publications

I would like to thank Jason Caldwell for his assistance as Publication and Records Director this past year. He resigned mid term and his position was filled by Rick Nash the records officer at the time. I am very proud of our little magazine "Guidelines". In comparison to other cave diving agencies I feel we have managed to develop a fantastic stand-alone diving magazine, the envy of all. This must be attributed to David Bryant and his vision ably supported first by Jason and

recently Rick Nash. Mention needs to be given to Dale Clark our printer and member from Shepparton Printing Services in Victoria who works timeframe wonders every issue.

### Standards

We are working towards a number of workshops on sidemounts and rebreather cave diving. Brian Kakuk is teaching several sidemount courses in Mt Gambier around the time of the AGM. Anyone interested in completing the course please contact the Standards Director. The instructor group is currently working on ratifying a rebreather cave workshop of suitably qualified divers with sidemount's to come.

In March 2012 Lamar Hires from Diverite will be our guest in Mt Gambier. We will be running 1 day recovery diver courses co-ordinated by our safety officer and standards director. We also hope he will run several further sidemount courses and rebreather workshops for the benefit of our members in both Melbourne and Adelaide.

### Site

The biggest news of the year is obviously our purchase of Tank Cave. I am very proud of the members of the association who have made this possible. We are currently looking at expenditure to ensure this

asset is protected allowing tank cave diving to be both enjoyable and safe. We also need to ensure the

continued conservation of the site both above and below the water. In the next few months fences, gates, tables and roadways will be added. Below ground we are discussing the access and lighting as well as the management of dive numbers and diving access. We look forward to announcing the improvements as they are implemented.

### Business

Oztec was another success for us this year with many comments on the content of our stand and the professionalism displayed by those manning the booth. Thanks again to Tara and Rhys Toone for their enthusiastic efforts over the weekend.

We remain in a solid financial position after the purchase of tank cave and wish to again acknowledge the tremendous benefit of having Andrew Cronan our business director, manage the business aspects of that purchase.

Take care,  
Steve Trewavas

# Blue Lake Diving

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Email: [darren@justabedlodge.com.au](mailto:darren@justabedlodge.com.au)

Lot 7, Capiroco Rd, Compton (via Mt. Gambier)  
PO Box 9286, Mount Gambier West, S.A. 5291





# 2011 AGM Voting, etc

Positions for **National Director, Site Director and Publications Director** are to be voted in 2011. The Proposed Nominations for these positions appear below.

Please read each before you cast your vote on the enclosed Ballot Paper.

## Nomination for National Director - Steve Trewavas #3095

Proposed by Paul Leslie. CDAA #3184      Seconded by Mark Burgess. CDAA #4576

*When I took on the National Directors role, I soon realised I was involved in something that I could become passionate about. A role that would enable me, to manage the direction of the CDAA, for the benefit of cave diving in this country.*

*As a member of the Directorate team, I have energetically worked for the last two years securing an asset for the future of the CDAA – Tank Cave. I hope now to put in place a safe management plan, which will ensure the conservation of the cave for the enjoyment of all members for generations to come. This challenge is complex. It's one I feel the current team can be trusted to fulfil efficiently and with the best interest of the CDAA at the forefront.*

*I am seeking your support because I*

- have a track record of competently managing the CDAA through the recent challenging times,
- am passionate about the CDAA and its status on an international scale,
- now have well established contacts within the caving and regulatory bodies,
- intend to further modernise the CDAA business management electronically, which will include course materials, site bookings, archived records and payments.
- will continue to consolidate best practise policies and procedures to make us a vibrant, educated and responsible association.
- am able to make independent decisions, which are in the best interests of the association.

*I would be honoured to be re-elected for a second term as a member of the CDAA directorate.*

## Nomination for National Director - John Vanderleest #1965

Proposed by John Della-Zuanna. CDAA #236      Seconded by Noel Dillon. CDAA #2038

*I offer leadership, but not micromanagement. I have no vested interests and you can be assured that I will be open, transparent and will listen to what the members want. I can lead the directorate without dictating to them and I value the experience and expertise that the membership has to offer.*

*The CDAA has grown beyond its club origins; it has debts, more pending leases, rising insurance and increased scrutiny as the result of recent fatalities. To survive the Association must move from a club mentality to a more professional association. To do this, a leadership team with very strong commercial experience is needed.*

*In my daily work I manage hundreds of millions of dollars for services ranging from networking large data centres to setting up communications links to China. I deal with competing business priorities, strategies, risks, budgets, hundreds of projects and human resource issues. I pride myself on my ability to engage with people and listen to their needs.*

*Cave diving is my passion and I am a retired trimix & ccr instructor trainer, experienced with varied configurations. I have participated in many diving expeditions including in the Middle East, the US and NZ. I have been the CDAA Records Officer, Business Director and National Director, and held office when the CDAA introduced formal training courses, course material, landowner indemnities and insurance coverage.*

*Together with Jane and Andrew, Grant and Rowan, let me guide the CDAA through this crucial time and into a better future.*

## Nomination for Publications & Records Director - Rick Nash #4187

Proposed by Karl Schneemilch. CDAA #4082      Seconded by Terri Allen. CDAA #3483

*I am pleased to present myself as a nominee for the position of Publications & Records Director of the CDAA. Since being appointed to the vacant positions of Records Officer and Publications & Records Director in early 2011 I have come to have a clear understanding of the level of commitment required as an office bearer of the CDAA. I would continue to behave in a transparent and unbiased manner in any of my official duties associated with the position. Guidelines is continuing to progress as a world class cave diving publication. I don't believe it should be used as a political platform, rather as a conduit for the dissemination of interesting and informative cave diving articles and information.*

*I believe the CDAA website should continue to be used to inform members of newsworthy information and that the website forum continue to be developed as a means for members to discuss topical issues of interest.*

*To that end I would continue to work towards an effective moderation system so as to make forum participation an interesting and enjoyable experience for all members.*

*I feel I have carried out the duties assigned to me in a competent and timely manner and would continue to do so if successful in the upcoming election.*

*Thank you, Rick Nash #4187*

## Nomination for Publications & Records Director - Rowan Stevens #3177

Proposed by Rhys Toone. CDAA #4382      Seconded by David Bardi. CDAA #2568

*Today I see an Association dismayed and divided, is struggling to grow beyond its club-based origins and to be open and engaging to all of its members. Current systems, processes and practices of the CDAA need to be improved to open up lines of communication and information flows between Directors, members and landowners. The demands and challenges of operating a National Association requires a stronger commercial focus if the CDAA is to move into the future and enhance its reputation as the peak Australian cave diving agency.*

*In my daily work I'm an IT professional with a track record in management and software delivery. I work in a high pressure, politically charged factional environment where I am able to successfully engage with people, listen to their needs and achieve results on a \$100M project.*

*I offer my extensive 22 years business and technical experience to the Association, and if elected, will work with the Directorate to implement improvements. For example complete migration to a fully online Association for voting, issue logging and tracking, improved bookings, records, document management and forums. The current format of forums is not simply working for all members. Investigate outsourcing of functions such as certification cards and IT maintenance. Support other Directors to improve their portfolios so that members get more benefits from their membership and have a real voice in the operation of the Association. Just to name a few ideas. With your help we can achieve a better future together.*

## Nomination for Publications & Records Director - Aggie Malkowska #4190

Proposed by Peter Ellery. CDAA #4191      Seconded by Luke Baade. CDAA #3967

*I have a Bachelor of Media and Bachelor of Social Science (Psychology) and my media experience spans across various mediums, including radio where I have been involved in producing and presenting current affairs programs and news, as well as print media as a regular contributor during my tertiary studies. I am interested in publishing more think pieces which spark active debate and challenge your perspectives on all topics related to cave diving.*

*As an analyst employed within the policing sector of government I have obtained extensive experience working with a high level of integrity and under limited supervision, often having to cope with work pressures and conflicting demands. As a skilled communicator,*

*I understand and adapt to different audiences and would utilise my sound judgment and high level negotiation skills in effectively representing the association in a range of formal and informal contexts.*

*The combination of my professional qualifications as well as my genuine passion for diving spanning over 7 years makes me confident in my ability to succeed in the nominated role.*

*Prospective goals:*

*Actively promote the CDAA, member achievements and pristine diving locations. (continued page 18)*



# 2011 AGM Voting, etc

Positions for **National Director, Site Director and Publications Director** are to be voted in 2011. The Proposed Nominations for these positions appear below. Please read each before you cast your vote on the enclosed Ballot Paper.

*(continued from page 17)*

Modernise/update the training materials and 'Guidelines' publication.

Nurture cooperation/partnerships with business/media stakeholders and landowners for mutual benefit.

Maintain an awareness of member views via regular surveys.

Encourage a more active role of the CDAA on the social networking mediums.

Analyse trends relating to membership, site access and training levels.

Ensure timely and accurate dissemination of publications, products and membership certifications.

## Nomination for Site Director - Rob Brennan #1321

Proposed by Craig Larkin. CDAA #3567

Seconded by Jonathan Adams. CDAA #4475

*I have been an active member of the CDAA since 1985 as a diver, director and guide, and as such I believe I have an understanding of the directorate, its relevant positions and member's needs. Over the last 2 years we have implemented a Mapping Co-ordinator, Science Officer and State representatives. I have been involved in the many meetings with government officials and committees that have resulted in the purchase of Tank Cave. I have also been involved with a SAR (search and recovery) meeting in Adelaide and Landowner Liaison committee meetings in Mount Gambier. These meetings have been very productive in the passing of information between bodies. My aim is to see the continuation of growth both within and outside our organisation, both in membership and sites. Site access improvements, mapping and accessibility of current, past and future sites are always high upon the list. Technical diving is increasing in demand, and we need to embrace technology. Many new projects have been recently commenced and as Site Director I would appreciate the opportunity to finalise these ventures. The need for environmental awareness regarding constantly maintaining and improving dive sites has increased. I will always be available to, and be supportive of those who wish to discuss further issues of concern. In keeping continuity on the directorate I ask that you once again consider me a favourable candidate for Site Director thus allowing stability to both the members and the landowners.*

## Nomination for Site Director - Grant Pearce #1382

Proposed by Ken Smith. CDAA #799

Seconded by Tim Payne. CDAA #2640

*Cave systems and groundwater science and management, particularly in the south-east karst, have been the focus of my personal and professional interests for more than 25 years.*

*As State Principal Policy Advisor for the Department for Water, Science Division, I am well-placed within senior government circles to foresee and influence the outcome of critical challenges facing the CDAA.*

*Not least of these is the imminent forward sale of ForestySA and the outsourcing of community access to cave diving sites. This presents the real possibility of the CDAA losing access to prime sites. As former ForestySA Corporate Affairs Manager, my contacts and understanding of government processes would assist to place CDAA at the negotiating table, early in the process, to ensure continued access.*

*I've been a CDAA member since 1987 and involved in cave research from almost the outset. For the past seven years I have been the South East Representative for the CDAA as well as the SA Government-appointed Chair of the CDAA Land Owner Liaison Group.*

*My life and work revolve around cave diving and as a long-term resident of the Mount Gambier region, I have an extensive network of contacts and an intimate understanding of landowners' sensitivities in regard to CDAA access. With my wealth and personal and professional experience, I'm ideally placed to be CDAA Site Director and work co-operatively within the organisation.*

## NewsFlash

Coming to Australia  
MARCH 2011



## Lamar Hires

### Sidemount Workshops and more!

### More info in December Guidelines.

**Lamar Hires "The Duke of Dive Rite" learned to Scuba dive in 1979 and immediately took up cave diving. The caves and springs were close to his hometown of Jacksonville so the transition to cave exploration was natural.**

In 1982 a good friend and co-explorer Wes Skiles called Lamar and informed him of a job opening at Branford Dive Center in Branford, Florida. The opportunity to explore and still pay the rent seemed to be a logical career decision at the time so he took the job. Wes was Lamar's cave instructor and Lamar was the first cave student that Wes ever certified so the two of them working together and exploring

together was a great fit. A few years later Lamar left the dive store to get in on the ground floor of new dive equipment company, Dive Rite. After 13 years of hard work and thousands of dives, he took over the company in 1997 and continues today as CEO and President of Dive Rite. Much of the equipment that we have come to know as "standard" for cave and technical diving are products of Lamar's innovation—Dive Rite offered the first commercially available nitrox computer and created the backplate and harness with 11 inch standardized bolt pattern, to name just a few!

After five years of cave diving Lamar became a cave diving instructor. To date he has certified over 600 individuals to cave dive and logged over 3000 cave dives around the world.

While leading remote cave diving expeditions to places like Japan, Puerto Rico, Mexico, Dominican Republic, Australia, and Antarctica are part of Lamar's passion, he can still be found diving, mapping, and exploring the caves of North Florida on any given weekend.

"There is still so much to learn right here in our own backyard. Places like Madison Blue, where we are more than a mile back and it is still going, are just as exciting as any dive on the other side of the Globe."

**Service to the National Speleological Society Cave Diving Section include:**

- Training Chairman for five years
- Chairman for two years
- 1996 awarded fellowship in the organization
- 1998 recipient of the Outstanding Service Award
- Contributing author to the NSS Cave Diving Manual "An Overview" Cave Diver Student Workbook & numerous articles on cave diving.
- Member of the Chairman's advisory panel
- Side mount Cave diving program

**Other affiliations and achievements:**

- Recipient of the 2000 Florida Springs Exploration Award
- Board of advisors for IANTD
- Training coordinator for the International Underwater Cave Rescue & Recovery (IUCRR) organization





## Standards Director Annual Report 2010-2011

Following the success of the Advanced Cave Program, at Mt Gambier earlier this year, it was great to see another group of successful candidates complete a program in the Nullarbor with Linda Claridge & Gary Barclay. Feedback from some outlined the challenge of the program, along with the challenge of the Nularbor itself! For a number of our West Australian members, it proved to be more convenient than a trip to the Mount and an opportunity for others wanting to complete the program to do so in

a different location.

I'd like to take this opportunity as we move toward the AGM in September, to thank those that have assisted in the Standards area during the past year. Paul Leslie has managed our Instructor Records & Materials and has worked towards improving the look of such things as the Members Manual – a never ending job. Ian Taylor, Terri Allen, Warrick McDonald, Tim Featonby, Rubens Monaco & Linda Claridge have all provided comments (and some criticism) on the proposed changes to the Cave Course, and it should all be finalised soon and be ready to test. I was hoping that it would have been up and

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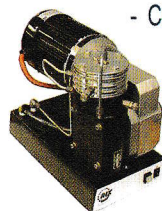
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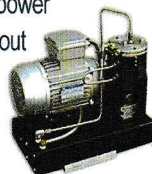
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running by now, but found it to be a bigger job than originally anticipated, but also one that was well overdue, so wanted to get it right the first time.

Heather Pardoe assisted in correcting some errors in the Advanced Cave notes by proof reading the entire material, including the articles of interest, and also helped in making some aesthetic improvements throughout.

To all of the CDAA Instructional team, I thank you for your continued support to the Association and its' Members by providing quality training and guidance, and am consistently pleased by the positive feedback through our on-line Quality Assurance system. Without the Instructor group the Association would probably not survive and from this body many have served as Directors.

Finally, I'd like to thank Harry (Dr Richard Harris) for his work as the CDAA's first Safety Officer. As you have no doubt seen, he has developed an on-line reporting system which will help us manage and

learn from incidents/accidents that may occur in the future.

New Directors I'm sure think they are coming into a job where it's just a matter of following their job description with its list of responsibilities, but nothing could be further from the truth. I like to think that all Directors work as a team and share the responsibility of running the Association.

As a CDAA Examiner/ Instructor, Tank Cave Guide, Director and Advanced Cave Program Co-ordinator my spare time is at a premium but I still manage to go cave diving whenever I can.

Dive safely, Jane Bowman,  
CDAA Standards Director.

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\* Dependant on stock and suit



# THE BUSINESS END OF THE CDAA

ANDREW CRONAN



## Business Directors Annual Report 2010-2011

It has been a significant year for the association; we have become a landowner and now have incredible potential with Tank Cave. The process has been a long and sometimes frustrating one but the end result is something that the association will look back on for decades as an investment in the future. The tank cave management committee is underway and will have some draft documentation for discussion at the AGM. Site negotiations in general have been more difficult this year, there has been a shift in landowner sentiment to a more commercial approach and an introduction of competitive pressures that we have not seen before.

The AGM details and agenda are included in this issue; it will be a great opportunity to try a new

location, new venue and some great speakers and workshops. I know some have been incensed that we would contemplate trying a different location but then some people get irate if their brand of breakfast cereal changes. Its up to you, if we have a good turnout then it's worth pursuing, if not then we can revert to the way things have always been done, lets judge this on peoples actions rather than words. I think it is important to open up the agm to as many members as possible, Australia is a huge country so it's a similar challenge for many associations and organisations, few national organisations hold their AGM's outside of capital cities.

Time to vote – a number of positions are up for election as well as some constitutional amendments, read and consider and do vote – your vote is important, as last years election showed, a single vote can determine an outcome.

OZTEK was a great success this year, my deepest thanks to Tara Toone who did an outstanding job representing the association. Tara continues to do a brilliant job for the association with products and I'm deeply grateful for her help. My thanks as well to David Strike who has been a great supporter of the association; we have been given a stand at the next OZTEK, please support one of the association's supporters.

Thanks as well to Tammy Beattie our bookkeeper, it's a big job and done on a volunteer basis, I appreciate the time and effort involved. There are many people that volunteer their time for the association that many members don't see, our public officer, Kevin Burrowes does a great job with little public recognition is just one example.

If you need to contact me please email, I rarely visit the forums as I find them toxic and generally a disgrace for the association, I hope that it is able to reach a level of civility but sadly a few individuals destroy what should be a valuable resource for the association.

It has been a successful year for the association financially, our position is broadly where we budgeted. I will present the accounts, analysis and next years budget at the AGM.

Regards, Andrew Cronan

# RECORDS AND PUBLICATIONS

RICK NASH



## Publications & Records Director Annual Report 2010-2011

Publications & Records covers a wide range of duties including Guidelines management, membership records and renewals, website development, advertiser liaison as well as general Directorate business.

Being appointed to the position part way through the election cycle has proved to be a challenge on many of these fronts but exciting and enjoyable nonetheless.

Guidelines continues to develop as a world class, informative cave diving publication that would be the envy of many much larger cave diving organizations. New advertisers continue to come on board at a consistent rate and I would expect this to continue as they see the benefit of advertising in a professionally produced publication.

Members continue to submit stunning photos and articles to the extent that we find having a backlog not unusual, I expect this to continue as some of the inevitable politics of the association is removed from guidelines to be discussed in more appropriate areas.

Despite some early teething problems the association website develops at a fast pace. The ability to complete membership renewals, payments, shopping and dive bookings online has certainly made life easier for members and appointed officers. Instructors and students have access to all of the information they need to effectively operate and complete courses. A recent addition to the member site has been the incident report form, an important tool in the formulation of effective dive safety planning. Feedback from members indicates a very high level of satisfaction in the way the website system is operating. Website forum areas notoriously result in passionate debate and ours is no exception. A fine balance must be struck in forum moderation and again, despite some early problems, we are working our way towards a civil and informative forum.

Change can be confronting, we now have at our disposal many means of effective communication, some of which continue to develop at an almost frightening pace. We should continue to embrace these new technologies in a prudent manner, this is not the time to bury our head in the sand and think of glory days.

Records encompasses membership renewals, special visitors permits, instructor and student records, quality assurance and reporting which together result in effective

administration of the CDAA. Our developing administration application database assists in administering all of the above in a timely manner. This development will continue.

Now that some of the more pressing immediate issues of website development and associated concerns have been addressed time will need to be given to fine tuning all of the processes described. This is an exciting time as the association continues to modernize.

Thanks have been given to other areas of Guidelines to the many office bearers involved in making the CDAA the exceptional dive organization that we have today but I take this opportunity to specially thank Simon Roberts and Damian Georgiou for their tireless voluntary work in keeping the website and administration application up and running. Many thanks to everyone for their support over the time I have been in the position.

Safe Diving, Rick Nash

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*John, Sharon and Erica.*



## SITE DIRECTOR'S REPORT

ROB BRENNAN



### Site Directors Annual Report 2010-2011

Since the last AGM, many things have happened. One of the more important would be the purchase of Tank Cave. This has guaranteed our continuing access for this site and opens many possibilities for diving and site amenities. Our insurance policy now allows for visitors to Tank. This will allow either non divers or non Tank divers to be on the property. We have a Management committee currently working on what we should place on site and how we dive it. Should you have any suggestions please let me know so I can forward these on. The unfortunate passing of Agnes in February this year stretched our resources to the edge. Many of our members worked tirelessly behind the scenes over the following weeks and I would like to thank them for their efforts. Ag was involved in our sport in many ways that most of us would not realise. She has been and will be missed for many years to come.

State representatives have excelled themselves again with many meetings and events organised. Many thanks go to all who have put in so much work and time in this area. Trent Lee moved to Qld and has taken on the role there with much vigour. I believe that all reps organised "movie nights" for the release of Sanctum. There will be more State meetings for these reps to organise over the coming months.

Once again the major issue with site access is just that. Divers are still not adhering to access conditions. They arrive late to the site or simply just don't show up. There are also those who book 2 sites (eg Kilsbys & Shaft) for the same time slot to ensure that they can dive somewhere. This is not how we operate – book 1 site at a time to allow others to do the same.

Site Access officers need to be commended again this year - Noel Dillon (Tank Cave), Craig Larkin (Kilsbys) and Terri Allen (The Shaft). Many thanks to these volunteers for the huge effort that they put towards access each year. Much of their work is reworking Site Access bookings by divers who change their minds at the last moments. (We do realise that there are always the unavoidable though). We need to ensure that when we book these sites that all paperwork is in place.

We are currently looking at new sites in WA and hope to have these online shortly. This will enable the WA divers to complete their training to Cave level easier. Search and recovery - I would like to thank Richard Harris who along with myself attended some fruitful meetings with the SA Underwater Recovery Squad setting out some protocols that need to be followed. I would like to thank you all for your support over my time as Site Director.

As always remember Diving is privilege not a right.

Regards Rob Brennan

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- 1 x Innobeam U9 - 10W - 6 degree beam
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- Australian Distributor



## Submit YOUR Profile for Guidelines!

# We Want YOU!

### Tell us about you and your Cave Diving...

- When did you begin cave diving?
- What gear do you use?
- What dive store are you affiliated with?
- Are you an U.W. Photographer?
- What Camera do you use?
- Where was your last dive or dive trip?
- Where would you like to dive overseas?

### Tell us a bit about yourself...

- What do you do for work?
- Married?, does your partner dive too?

Email a 250 word Profile, a pic of you & your favorite underwater shot to [seapicsdavebryant@gmail.com](mailto:seapicsdavebryant@gmail.com)

Contributors will receive a FREE Oceanic Hollis Mask, Value \$129.00



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- Please provide your own linen or linen is available for a small additional cost.
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# Sidemount diving expert Jeff Loflin visits Australia.

*There's been a lot of hype about Sidemount diving lately - especially in Europe and North America. Sidemount (SM) diving has actually been around for many years but it is only recently that some manufactures have made a dedicated BC and setup kit.*

Well known Sidemount expert Jeff Loflin spoke at this year's Oceanic conference and took Sidemount instructor classes on his recent trip to Australia. Jeff's passion for diving, and in particular sidemount diving was evident to all those who heard him speak about SM. He's been a PADI Instructor since 1983, Master Instructor since 1986, PADI Course Director since 1988 and worked with Hollis to design the SMS100 sidemount kit.



In Jeff's words, 'Sidemount equipment is an innovative gear arrangement which may be used for all types of diving and is unlike any other gear arrangement that a diver may be accustomed to using. Sidemount equipment configuration facilitates "spot on" buoyancy

within minutes and results in a more streamlined profile than conventional gear configuration. Sidemount scuba diving is a safe alternative option for gas management, allowing the diver to always see their valves and first stages. Sidemount can be used for all recreational, reef, wreck, and wall dives.'

There was plenty of focus on tech diving at this years conference, especially how to sell 'tech' to the recreational divers who are somewhat daunted to make the leap into Tech when seeing images of a half dozen tanks hanging off a diver. As Jeff says, 'Sidemount is ideal for those divers looking to get into cave or wreck diving. With multiple configurations it's simple enough to easily switch between recreational diving and penetrating a wreck. So if you're interested in technical diving? There is no need to purchase another set of equipment as your sidemount gear will carry you through these advanced levels of training. Sidemount diving is fast becoming the preferred equipment configuration for extended range dives, cave dives, and deep exploration dives.'



CDAA NUMBER \_\_\_\_\_

## CAVE DIVERS ASSOCIATION OF AUSTRALIA

(INCORPORATED IN SOUTH AUSTRALIA)

### Membership Application Form 2011/2012

**Mail to: Records Officer, PO Box 144, Henley Beach, SA 5022.**

Please  
email jpg  
or attach  
1 photo

Surname: \_\_\_\_\_

Given Names: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ P/code \_\_\_\_\_ Mobile: \_\_\_\_\_

Phone: (h) (\_\_\_\_\_) \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Gender: \_\_\_\_\_

(w) (\_\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

In consideration of me being accepted as a member of the Cave Divers Association of Australia Inc. ('CDAA'):

1. I agree to indemnify and keep indemnified the Association, its directors, officers, employees, agents and contractors against any liability, loss, expense, damages, claims, suits, actions, demands, costs or proceedings whether arising out of statute or at common law in respect of personal injury (including illness) or death arising out of or in connection with or caused by any activity, function, event, dive, expedition, training or administrative task or obligation, including but not limited to equipment failure, damage of equipment during transportation, failure to check equipment adequately prior to entering the water, physical loss of equipment, lack of emergency, rescue or medical personnel or equipment at the site of an accident, loss of usable breathing gas, breathing gas contamination, incorrect measurement of oxygen concentration in breathing gas, incorrect measurement of gas fractions in breathing gas, running out of breathing gas, use of inappropriate breathing gas, mask flooding, becoming physically stuck underwater, collision with physical objects, line problems, including line entanglement, cut line, losing the line, line belay failure, line routing failure, lack of line junction, failure in line following, unexpected removal of line, route finding failure, unrecognised destinations, visibility failure, including poor visibility, deterioration of visibility, physical or mental health problems (pre-existing or otherwise), including hypothermia, blocked sinus, unable to clear ears, respiratory illness, physical or mental impairment due to alcohol or other substance, mental impairment due to narcosis caused by breathing gas, lack of diver fitness, sudden medical emergency, pulmonary barotrauma, fatigue, lack of sleep, animal attack (above and below water), lack of food, dehydration, vomiting underwater, psychological disturbance as a result of being present when a diving accident or other related activity occurs, traumatic injury or acute medical condition, weather problems, including underground and underwater flooding, cave problems, including falling natural and unnatural objects above or below water, physical changes in the cave whilst diving, strong currents, falling whilst entering or leaving the water (underwater or otherwise), falling underground whilst beyond a sump, air contamination in confined air spaces above water, nearby use of explosives, procedural problems, including inadequate or incorrect pre-dive planning materials, failure to observe gas margins, failure to interpret decompression tables correctly, inadequate understanding of decompression techniques, failure to observe correct decompression profile, failure to observe correct ascent or descent rates, lack of personal judgment of personal capabilities to execute a planned dive safely, communication failure between divers underwater, confusion over the expected actions of other divers whilst underwater, public interference by a non-diver, failure to locate alternative breathing supply during swapping of breathing supply, obstruction of alternative breathing supply during swapping of breathing supply, loss of above ground communications or lack of or unexpected loss of underground to surface communications.

2. WARNING UNDER THE FAIR TRADING ACT 1999 (Vic). Under the provisions of the Fair Trading Act 1999, several conditions are implied into contracts for the supply of certain goods and services. These conditions mean that the supplier named on this form is required to ensure that the recreational services it supplies to you are:

Rendered with due care and skill; and As fit for the purpose for which they are commonly bought as it is reasonable to expect in the circumstances; and Reasonably fit for any particular purpose or might reasonably be expected to achieve any result you have made known to the supplier. Under section 32N of the Fair Trading Act 1999, the supplier is entitled to ask you to agree that these conditions do not apply to you. If you sign this form, you will be agreeing that your rights to sue the supplier under the Fair Trading Act 1999 if you are killed or injured because the services were not rendered with due care and skill or they were not reasonably fit for their purpose, are excluded, restricted or modified in the way set out in this form. NOTE: The change to your rights, as set out in this form, does not apply if your death or injury is due to gross negligence on the supplier's part. 'Gross negligence' is defined in the Fair Trading (Recreational Services) Regulations 2004.

3. I have read and understand the Constitution and Regulations of the CDAA and am in support thereof. I hereby apply for membership.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



## Membership Renewal Instructions

- 1) Please print and fill out the Membership Application Form **OR RENEW ON-LINE**
- 2) **Enclose a stamped self-addressed envelope**
- 3) Include **1 Photograph** and please write your name on the back of the photos or email a good quality photo as a **jpeg** (3cm x 2 cm) to [records@cavedivers.com.au](mailto:records@cavedivers.com.au). Please do NOT staple to the form.
- 4) Enclose your payment. Save time, money and hassle, join for more than one year, no limit!
- 5) If you wish to have **Non Active** membership pay **\$35/yr**. You keep your membership going, receive copies of Guidelines, but cannot dive with such a membership and you do not receive a card so don't need a photo.
- 6) **After August 31st any unpaid renewals will incur a \$45 late fee.**
- 7) Anyone wishing to add a Nitrox or Trimix Endorsement will need to include a photocopy of their certification.
- 8) **Memberships cannot be processed until everything is sent in.**
- 9) Please send all questions by **email** only to [records@cavedivers.com.au](mailto:records@cavedivers.com.au)

### Please tick applicable boxes

- ☐ I wish to pay **\$70 Renewal Fee 2011/2012.**
- ☐ I wish to pay \$ \_\_\_\_\_ being CDAA Membership for \_\_\_\_\_ years
- ☐ I wish to pay **\$35/yr** for Non Active Membership (no diving) for **2011/2012.**
- ☐ I wish to pay **\$35/yr** for Associate Membership (non diving) for **2011/2012.**
- ☐ I wish to pay **\$45/yr** being for \_\_\_\_\_ back fees (max 5 yrs)
- ☐ I wish to pay **\$45** being for late fee (Aug 31st onwards)
- ☐ TOTAL cheque / money order for the amount \$ \_\_\_\_\_
- ☐ I have electronically transferred \$ \_\_\_\_\_ on date \_\_\_\_ / \_\_\_\_ / \_\_\_\_ to account:

Bank: NAB BSB = 085-070, Account No. 69-701-2377.

**PLEASE INSERT CDAA No. in HEADING**

Account Name - CAVE DIVERS ASSOCIATION OF AUSTRALIA INC.

- ☐ Please charge to my credit card for the amount: \$ \_\_\_\_\_
- ☐ **BANKCARD** ☐ **VISA** ☐ **MASTERCARD**

Credit Card No:

Expiry Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Office use only: Database:

Payment:

Card:

## NEW Light Systems from Hollis

Hollis' first push into the Primary Lighting market included the innovative LED16 Canister System which offered a replacement and better alternative over traditional HID lighting and Multi-Array LED systems. Their goal was to revolutionize primary and backup lighting systems; doing so required extended

burn times and efficiency while increasing output, but without the high price tag. To achieve this goal Hollis now include this technology in their line of handheld lights. Meet the new Mini 3, LED3 and LED5 lights; soon to be the envy of all professional and recreational divers worldwide.

### LED5 features

- Single 5W "backup" Light
- Concentrated 8 degree beam
- Output 260 Lumen
- Burntime - 8 hours total
- Bulb life 50,000 hours
- T6061-T6 Anodized Aluminium
- 3 "C" alkaline batteries
- Depth rated to 650ft/200meters
- Dimensions - 46mm diam / 206mm length

### LED3 features

- Single 3W "backup" Light
- Concentrated 8 degree beam
- Output 230 Lumen
- Burntime - 6 hours total
- Bulb life 50,000 hours
- T6061-T6 Anodized Aluminium
- 3 "AA" alkaline batteries
- Depth rated to 650ft/200meters
- Dimensions 50mm diameter / 147mm length

### Mini3 features

- Single 3W "backup" Light
- Concentrated 8 degree beam
- Output 210 Lumen
- Burntime - 4 hours total
- Bulb life 50,000 hours
- T6061-T6 Anodized Aluminium
- 3 "AAA" alkaline batteries

## Pathseeker Reels

Hollis' new line of Pathseeker Reels were designed to be the best performing primary dive reels available. The spool is injection molded using glass filled nylon which is stronger than traditional ABS providing a durable core. This core is bolted to an aircraft grade aluminium handle using a one piece stainless steel shaft and is controlled by a stainless steel lockdown screw. All parts are engineered with the strictest tolerances which eliminate line traps or failures. Choose between two different models; our Pathseeker JR.(pn 203.9250) with 400ft of #24 nylon line or our Pathseeker (pn 203.9500) with 800ft of #24 nylon line. These will also be available soon with #36 line.

### Features:

- Advanced materials and construction
- Handle sized appropriately for both warm/cold water
- 6061-T6 hard anodized aluminium
- Glass filled nylon spool
- Marine grade stainless components
- Nylon braided line
- Includes: Reel, Line and SS Boltsnap





# CYBER DIVING

By Pippa Waterworth

*Effective communication is very challenging for any group of people; it is more so when the group consists of 841 people spread over the whole of Australia. The CDAA is an association that was started by a group of people who had a common interest in cave diving. I presume it started with a small number of like-minded people who formed it to service their needs and help them in their quest to dive safely in caves. However, it is now an association of 841 members and as such there is no longer the ease of communication that comes with a small group, chatting over a bevy after a dive.*

This ongoing challenge for effective communication has been addressed by the association in several ways: An Annual General Meeting; a publication that comes out quarterly; an internet forum; and the creation of State Representative positions. These methods should complement each other to produce a thorough dissemination of information that is relevant and important to members. Unfortunately we all live busy lives and it is easy to put aside the guidelines without reading it thoroughly, and jumping on the forum website certainly takes time – and of course what is most important is time for diving. However, the website is a vehicle the Directorate uses to notify the members of what is going on. It makes sense to use this method, as it is quick and can be accessed by everyone. The forum is set up very well and provides access to many threads discussing a range of items including: opinions on dive gear; information about training; news and announcements from the Directorate; and even a thread to hook up dive buddies. This is all great until you notice that only 159 members, about 19% of the total membership, look at the forum and even less actually post on it.

I wonder how many people who are reading this article know that the Directorate explained the rationale for proposed regulation changes on the forum and have amended the proposed changes as a result of the comments made by members on the forum. Or that there was an online vote prior to the purchase of Tank cave to identify members views on the purchase. Although these regulation changes may be valid, and in fact any changes can be made by the Directorate without consultation of the members, I think it is still very important for every member to know when their association is contemplating changing the regulations or how they are considering spending the association's money.

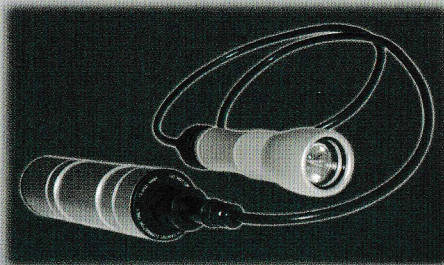
You may, like me, not really be into 'Cyber Diving' and would rather spend your precious recreational time doing the real thing - not surfing the net reading about

it. However, you may want to think about jumping onto the website from time to time just to see what is going on. After all who wants to suddenly find they are not allowed to do things the way they prefer, or that the association they joined is not the same as the one that they now belong to (there are proposed constitutional changes about to be announced). For those that have never looked at the forum: The process is straight forward, the web address is , your username is your membership number and your password is the date of your first course, as shown on your membership card. It is easy, and I am sure you will find something interesting to browse or discuss. Happy Cyber Diving.

## FOR SALE

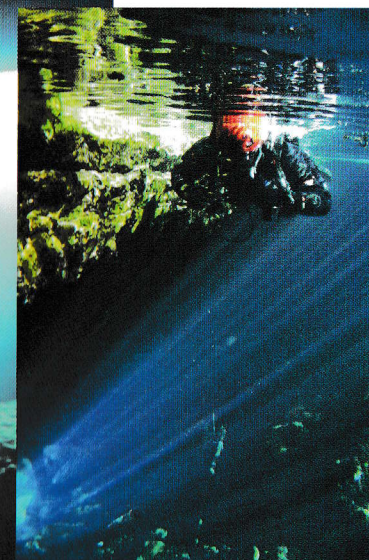
### V-5000 HID

4AH NiMH batteries,  
10watt fixed focus beam  
International charger



Contact: John Vanderleest  
jfv@tpg.com.au 0419 775 771

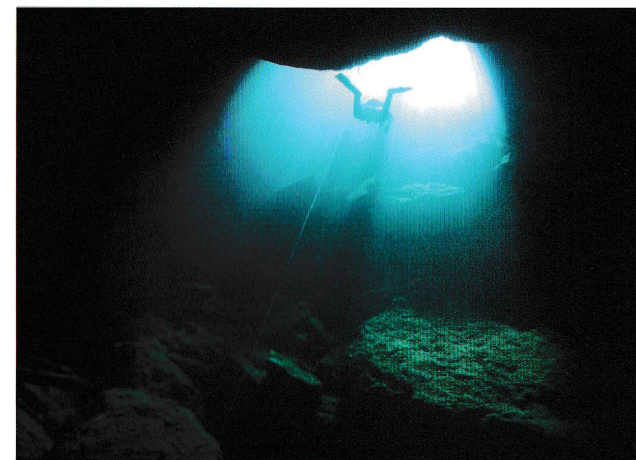
## Guidelines Gallery



Photographs by  
David Hillgemann

Site: Pines

Diver: Wayne Johnson



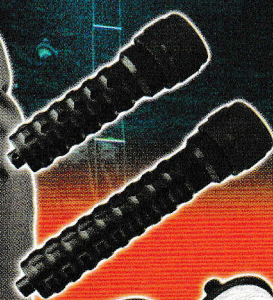
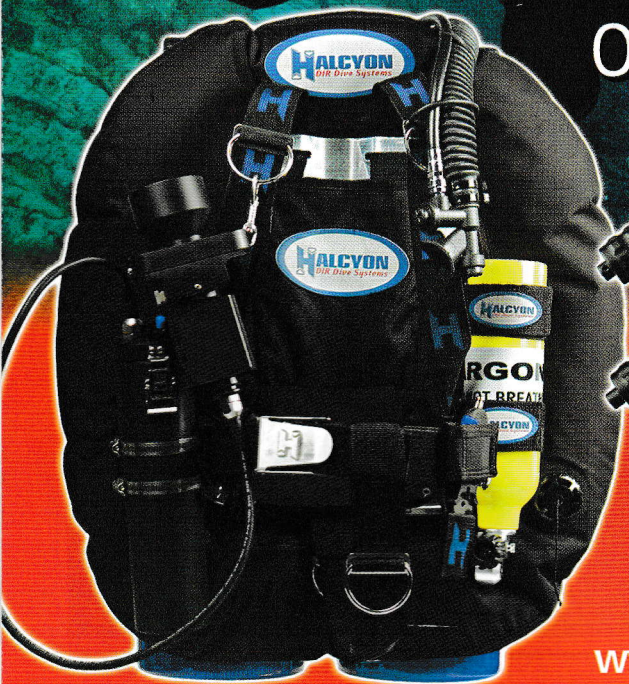


**HALCYON**  
DIR Dive Systems

...you're only  
as good



as the gear  
on your back!



*Dealer Enquiries Welcome*

Email: [admin@halcyondive.com.au](mailto:admin@halcyondive.com.au)

[www.halcyondive.com.au](http://www.halcyondive.com.au)