



C.D.A.A. Newsletter

No. 98 - DECEMBER 2006

**Merry Christmas
and a
fantastic 2007!**

CAVE DIVERS ASSOCIATION OF AUSTRALIA

(Incorporated in South Australia)

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המשפחה

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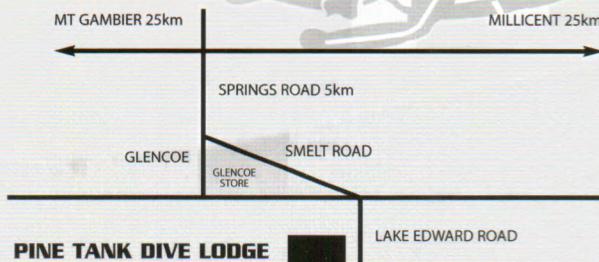
Photo Neil Vincent

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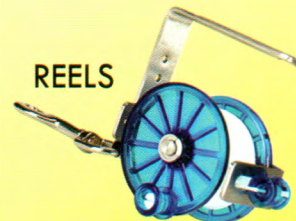
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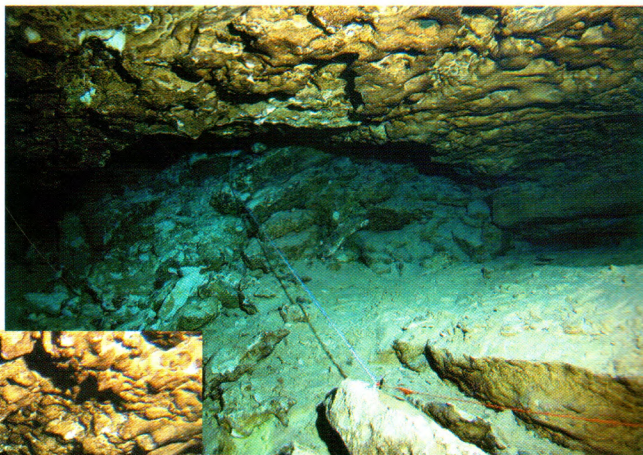
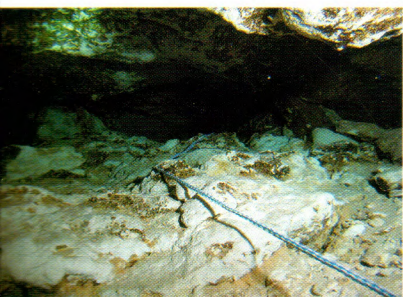


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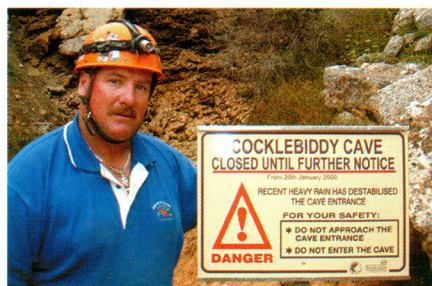
~ GUIDELINES GALLERY ~



"GOAT TRACK, Tank cave"
Photos by Ken Smith



"NULLARBOR"
Photos by Gary Barclay



Photos of closed sign at Cocklebidy

In Tommy Graham's
'The Keyhole'
Divers; Top Jeff
Paynor
from Perth
Bottom; Steve Coe
Mount Gambier



Troy Foster
in the key hole
Tommy Graham's
Cave



A quite day at Murra?

EDITOR'S CORNER

Well another year over. Next year looks like lots of exciting things happening in the world of cave diving. We have Oztek in March with a CDAA stand. Hopefully followed by lots of visitors to our cities and cave diving in Mount Gambier and perhaps the Nullarbor.

I have been lucky enough to have a few holidays at the end of this year. Geoff and I did some wreck diving in the Philippines with some old uni friends as well as 3 weeks cave diving in Florida where we bumped in to Father Christmas (see Front cover). Also squeezed in an Africa trip for work but stayed well out of the way of the crocs and hippos.

Thanks again to the contributors this edition. Harry's all you need to know about cave photography after a suggestion about this from another member. You will also see the results of our wonderful day at Tank Cave the morning of the AGM.

We have also been very busy with trying to get the new entry level course totally updated and something we can now be proud of and not embarrassed about as it is so out of date. It was a real eye opener going to the States and seeing how things are run there from both an access, training and site set up. In many ways we are lucky here especially with our fantastic well set out guidelines and markers such as in Tank. The lack of consistency and confusion it can create over there was amazing. I wonder if some of this may have contributed to some of the fatalities. Having said that, many of the Florida sites are truly amazing dives. A real highlight for us was scooting in to Jackson Blue against the flow and returning to the gorgeous blue cavern at Merritt's Mill Pond. Cow Springs with the "poor man's scooter" ie rope pull was another highlight.

I hope members start to dive 1080 on Barnoolut once the fire risk is over. It is a fantastic site for divers at all levels and a very good reason to think about doing a trimix course. It is great to have another sinkhole available to the members.

Hope you all enjoy a good break over Christmas. I'll be busy working and grant writing as well as doing the CDAA course materials as I have already had too many holidays! Hope to see you in Sydney next year or at Mt Gambier some time.

Cheers
Merry Christmas



Terri Allen, Publications and Records Director,
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GUIDELINES DEADLINES FOR ARTICLES AND ADVERTISING;

20th Feb. for March '07 • 20th May. for June. '07

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Front cover:

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"Santa on his SS sleigh"

Photographed by
Terri Allen.

Photographed at
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Merri's Mill Pond
Florida, U.S.A.

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David Bryant

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So you want to take photos in caves... are you **CRAZY?**

by Richard 'Harry' Harris ~ Colour Photos on Page 37.

Here are my highly biased thoughts on the subject of Underwater Photography in Caves! I have little or no experience with point and shoot digital cameras which are the most widely purchased UW cameras in use today.

My impression is that for well lit ocean photography and especially macro work they are capable of exceptional quality images, but for low light, low contrast difficult exposure work (i.e. caves!) they are unlikely to produce the results you are looking for. However I would love to hear the views of someone who has taken some cave images with this style of camera.

So in the digital realm that leaves us with dSLR cameras (digital Single Lens Reflex cameras) where you look through the lens via the viewfinder (not via a screen) to compose and focus your shot. After taking the picture, the image appears on the viewing screen to be reviewed and if necessary, re-shot with an adjustment in exposure, strobe angle/power or composition. Without doubt this is the single biggest benefit of digital vs film cameras; the ability to instantly review your photo, learn from what you have done and fix the problem on the spot. This increases the chances of finishing the dive with some usable shots by 100 fold. After a few dives using the camera you will find yourself able to guess f-stop and shutter speed very accurately, and you will start noticing more subtle things like the effect of strobe position on backscatter, excess side-lighting and relative lighting of close and far objects. Silhouette shots, soft foreground lighting and strobe backlighting are all achievable by most of us "average" photographers rather than the exceptional few. In fact the major complaint of professional photographers might be that this tech-

nology puts great shots with reach of anyone prepared to put in the time underwater!

I recall when I started taking photos in caves with film I would return to the surface with a roll of film, completely black except for a few tiny visible shapes on the transparencies. No wonder I gave it away until digital came on the scene! Now I would expect 50% of my shots to be "usable", and maybe 10% to be quite pleasing. Believe me, for underwater photography this is a high success rate indeed!

You may have noticed I have been avoiding the question on what equipment is out there. As usual personal preference is important, and tends to be "system based". By system I mean a camera and lens system, housing and port system and strobe system. The nature of digital imaging is (sadly) like that of computers, as soon as you buy your new toy it is out of date. However you can minimize the dollar damage by sticking to the same system even if you change camera and housing every few years. For me, photography is a serious obsession so I try and buy top of the range camera equipment which will stay "usable" for several years. When I am ready to upgrade, it will hopefully still be relevant (read saleable) to someone less obsessive than I who perhaps only uses their images to view on the computer or print for their album. It's all in the timing and if you try and sell a dSLR about a year too late, it is worth SFA. For the newcomer to digital photography, this is great news. For example now is the time to start looking around for a used Nikon D100 in a suitable housing...a great camera system at a good price.

Camera Systems. Most of the serious UW photographers I know use either a Canon or Nikon based system. I am a Nikon user and will remain so because I own the lenses I need (arguably the most important

continues next page

and pricey part of the system). My current camera is the 10.2MPix D200; my most used lenses are the 10.5mm fisheye (80% of cave shots) and the 12-24mm zoom (20%). I have some macro lenses which rarely get used in caves (for bugs and fossils etc). When the D200 is out of date or fills up with mud (cave photography is NOT nice to cameras) I will buy the next model and keep the lenses. The large resolution of modern cameras requires large storage cards (I use 4 GB CF cards which hold about 260 RAW files...enough for 3-4 dives). I have also just needed to upgrade my home PC to cope with the image post processing. 4GB of RAM only just seems enough! The new D200 or D80 have markedly better dynamic range compared with my previous D100. This is quite important for cave and deep wreck photography, but much less important in situations where light levels and contrast are better.

Housing Systems. There are Ford divers and Holden divers; I wish housings were as simple! Subal, Nexus, Seacam, Ikelite, Sea and Sea, Aquatica and the list goes on. I have used Subal and Nexus and love them both. Some swear by Ikelite, others love the pricey but well featured Seacam. Not a decision to rush into. Look at the speed with which the manufac-

turer releases new housings in response to new camera bodies. Look at support and service. Does the housing have to be sent OS to be repaired (one popular brand in particular)? What is the depth rating of the housing and the ports? (Will you wish to do 100m+ dives?) How well are the ports and lenses matched and are diopters required (the manufacturer may say they match well, but the reality can be quite different). How much do the ports cost? (the cost of fisheye ports for different brands will amaze you...several hundred dollars c.f. several thousand!). Remember you will plan to keep the ports and change over the housing with each camera upgrade, so that costly glass port may be better value in the long run.

Strobe Systems. For wide-angle cave photography you will need a minimum of 2 strobes to get good coverage. In the gloomy environment of caves where dark rock soaks up light like the proverbial sponge, more is good and stronger is better. A slave feature is essential so you can use the strobes remotely to backlight divers or cave formations, and also to do some dry cave photography. Old favourites like the Nikonos SB-105 strobe are simple, reliable and cheap and can still be found on eBay, although are not still supported by the company. They have a slave sensor on the front

which is a bit annoying if you want your buddy to hold it facing backwards as it may not fire. Inon make a 360 degree slave sensor for the 105 which solves this problem. The whole range of Inon strobes are good value, robust and sufficiently powerful. They have a 360 degree slave sensor also. Ikelite are the only company as far as I know who sell an UW strobe with a remote sensor which is a great feature. Remember no housed dSLR/strobe can offer a TTL strobe facility yet, unless you go the extra expense of housing your land strobe (e.g. the Nikon SB800 in a Subal housing...ouch!\$!). However one housing company I know of is about to release a TTL strobe system which works in a similar way to the housed point and shoot cameras. But to be honest, it is really not necessary as you will quickly find yourself shooting everything manually. Instant feedback remember!

To summarise? Before commencing cave photography I would spend plenty of time in the ocean or cavern environment getting familiar with my gear. Buttons and dials need to be found by feel and the unit must become an extension of your arm. A soft, broad helmet light is a useful aid to checking settings. Talk to anyone and everyone before choosing your "systems". We all have our favourites and of course we are all right! Read the reviews on the websites below and be prepared for a fright when you talk turkey! Look for good second hand systems to get you started. Don't forget safety is your priority when cave diving...don't underestimate how much task loading a camera can add to a dive. Like the golf analogy...taking a camera on a dive is a good way to ruin a perfectly nice swim.

Must see websites:

<http://www.dpreview.com/>

Great info on digital cameras of all levels.

<http://wetpixel.com/> As above, but housings and UW stuff as well as the cameras.

Look at <http://www.neilvincent.com/> and

<http://www.action-photo.u-net.com/>

to see how it is done. Neil and Gavin Newman are real pros.

<http://www.seaoptics.com.au/> and

<http://www.scubapix.com/> will give you an excellent idea of what is available and what it will cost you.

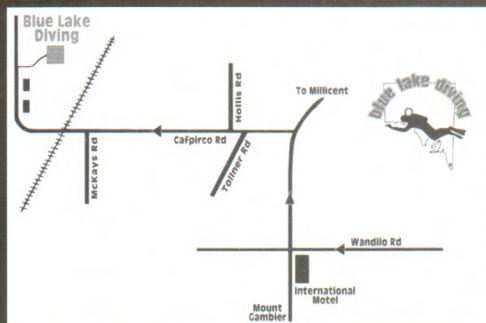
Richard "Harry" Harris #1360
www.divedoc.net.

See page 37 for colour photos.

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BACK IN THE OLD DAYS...

by Barry Andrewartha, Sportdiving Magazine and DIVE Log Australia.

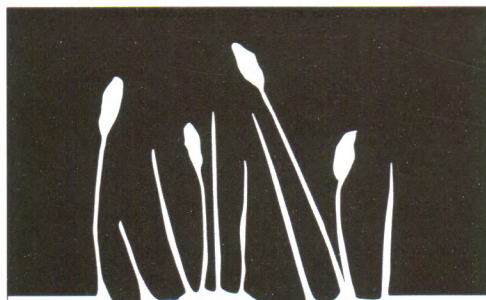
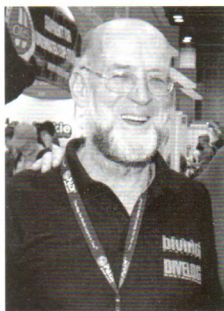
I first dived here in 1963 diving Ewens and Pics, mostly in the winter. I know it was 1963 as the Australian Spearfishing Titles that year were at Kangaroo Island in January, and we visited the Mount on the way back to Melbourne.

We dived Mount Gambier '63, '64 and '65, mostly during the winter as Summer was for

Spearfishing. We did all of our exploratory diving at the Mount with 2 locals, Graham McKenzie and Snowy Ragget. Using Geological Charts and local knowledge we dived many of the popular sites, Kilsbys, 1080, Bullock Hole, The Pines and many others including the Shaft! When we first dived the Shaft our cars were parked on a side road and we walked across the paddock to the hole! Graham had been shown the "hole" during the previous week, but no one had actually dived in there. Using a rope ladder I climbed down into the water. It was so clear that the rock pile looked about 20-30 feet deep.

I told Graham "don't worry about a Tank, I'd just freedive down and check it out!! Once I'd worked out it was deeper than it looked I got out and we got our gear together for our first dive. Lindsay Stewart and I did that first dive. Using 72cf steel tanks, no BC (BC's weren't invented then), no pressure gauge and our ocean diving lead weight belt we did a 235 ft. dive and didn't have a problem! It was winter, 1964. There was no visitors book, in fact I cannot ever remember asking permission or ever meeting the owners! Graham told us to always plan our Shaft Dives on a Sunday morning as the owners were always at Church!

Regards, Barry A.



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CHICKS IN TANK

AN INTERVIEW WITH SOME OF CAVE DIVING'S EXTREME LADIES!...

Lynne Vincent

My first diving was done down at Jervis Bay in 1981. It was a memorable one as I always remember the pain in my ears as I descended as Neil hadn't told me that this would happen. I was in training for a trip to Vanuatu and after a few hovers around the Coolidge I was hooked. Did my open water course pretty shortly after that and then spent every spare weekend diving along the northern east coast. I would definitely have to say that my favourite ocean diving is Nelson Bay as I just love those easy ocean entries. Diving locally from our little rubber boat also rates highly and lately we've been finding lots of interesting macro creatures which has inspired me to get back into some underwater photography. I

get sea-sick so land based dives are my preferred options! Which also means that Tank Cave rates pretty high on my list as a favourite cave dive destination. Started my CDAA Cat 1 course in Oct 1988 with Andrew Wight as my instructor. Had a few hiccups on the way and I remember getting cold feet the day before my Cat 3 test and pulling the pin on my buddy/husband. After more training and refinement of equipment I finally achieved my penetration rating in April 1995. Mount Gambier is a fair drive for us New South people so in-between trips to Mount Gambier, McCavity cave at Wellington was a great opportunity to practice my cave diving skills. This was a real plus for me as it taught me how to side-mount my equipment and this has come in handy to do some of those

longer penetrations in cave diving.

Cave and ocean diving is a great way to get away from the realities of life and although it can be physically and mentally challenging it's generally relaxing. I would say to anyone that part of the diving is also the great people that I've met and swam with, hence when the opportunity to dive with the girls in Tank cave arose I replied promptly with a yes.

Wouldn't have missed it for anything and it was a special morning for me to jump in the water with other girls that had achieved their penetration status.

By far the hardest thing I've done would have been my certification as a Commercial Air diver. Although the diving was fun the theory course was really daunting. I remember thinking at one stage

that I should have studied to be a doctor! On a lighter note, would say that becoming a member of the Limestone Cowboys was a highlight for me and after years of being known as a "hanger on" I joined a great group of friends that have the same goals and agendas.

Jane Bowman

I first started diving in 1984 whilst on holidays in the Maldives, and continued with an Open Water Course with Warrick McDonald upon my return. In 1985 I became a CDAA Cat 1 diver, and Cat 2 in 1986. I have continued regular cave diving since then, going on of course to Cave and then Penetration. I am currently a PADI Course Director, and enjoy teaching all levels of diving. I have a



Lyn Vincent ready to descend

strong interest in wrecks and marine life, but my true passion is cave diving. I've been lucky enough to cave dive Mt Gambier (naturally), the Nullarbor, Vanuatu, Florida and Mexico, along with sea caves in Tasmania and Malaysia. I love the challenge that cave diving holds, and several months ago managed to transit the Goat Track in Tank Cave on 12 ltr back mounts, albeit in zero vis! The Tank Cave Ladies Day was a great time to get together with others that have a similar passion, and to do a relaxed dive with lots of laughs.

Heike Apps

I was on my third trip caving across the Nullarbor. It was the early 70's and I was in my teens. We [my parents and 4 sisters] were snorkelling in Weebubbe when a couple of cave divers surfaced. I was amazed – and decided then that I wanted to do cave diving in the future. This turned out to be further down the track than planned as I married



Jane & Terri

and had two children before my husband [unable to dive] presented me with a FAUI dive course for Christmas in 1989. I was an advanced FAUI diver in 1990 and an NASDS instructor in 1995. I started cave diving with the CDAA in 1994 and achieved my penetration rating in 1997. I became a CDAA instructor around 1997/98. Ocean wise I currently instruct through Aqua Action in Canberra [SSI].

I make the trek from Canberra to Mt Gambier about 4 times a year, but I still dive a lot in the ocean. I guess my favourite ocean sites are around Jervis Bay. I also enjoy diving in Lake Jindabyne – where we search the remains of the old homesteads. My favourite cave diving site has to be tank cave - though I really enjoy the Nullarbor and I thought the cave sites in Vanuatu were great. Florida and Mexico are still on my wish list. I participated in the girls day because I think it would be good to encourage more females into the sport – also the AGM was on the same weekend. I couldn't actually dive on the day as I had a couple of broken ribs thanks to my sisters horse but I was happy to help out and be the land support for the morning. In future I will stick to cave diving and motorbikes – they are much safer than horses!

Lisa Bernasconi

Lisa Bernasconi became a penetration diver in 1991, and has been a member since 1985. As a previous National Director of the CDAA Lisa is well versed in the political wheeling and dealings in the CDAA. Lisa excelled at landowner relations and always had flowers or chocolates to

give to anyone she met. A keen diver who juggles her time raising two children alone and managing a business. Lisa was very keen to join the ladies on our Tank Cave dive day. She almost made it but had an eleventh hour work hiccup which prevented her joining us. Thanks for all your wonderful support Lisa! Terri

Michelle Jobbins

Michelle was another one of the peno ladies that had to cancel for the weekend. Michelle also juggles a young family with being a member of the Limestone Cowboys and doing a lot of diving adventures to NSW, Mt Gambier and the Nullarbor. Michelle is married to Mark Jobbins the CDAA NSW rep. I had the pleasure of diving with Michelle on my first weekend at Tank where she took me through the delights of the "J" and "K" lines. Terri

Terri Allen

I got my FAUI basic scuba diver cert in 1983 while still at Uni bumming around studying Zoology. Did a lot of great dive trips with MUUC all over the country and was actively involved on the committee just about holding every position at some stage and proudly becoming president in 1990. During this time did many trips over to Mt G with cave diving friends and got used to lots of dives in Ewens, snorkels in Pics and sitting by the side of 1080, Pics, etc. I was never interested in cave diving and always thought I would be too scared/claustraphobic especially watching others do the long climb out of Blacks!

My diving tapered off in the mid 90s but after a new Millenium trip to Vanuatu with Warrick and Jane in 2000 with my partner Geoff our interest was greatly renewed. Shortly after Geoff expressed the desire to do a cav/sink course and I guess I agreed very reluctantly to join him as I was sick of being an observer. Well of course we loved the course and the great weekends away together it offered, not to mention the extra skills gained such as twin tank divers that opened up many of the deep wreck dives especially in Victoria. I also became records officer in 2002. I was happy to just stay at this level but of course Geoff wanted to do more. I was very nervous during our cave course with Warrick and although we are very good mates he warned us he would give neither of us

any favours. I still remember after my first dive tying off and silting up at each tie how he took us though and shook is finger at every bad move I had made, bastard! It was a fantastic learning lesson having such a tough instructor. It is amazing how now in a tight spot your training comes back to you. I have now done further training to help with this such as a TDI Nitrox course, an IANTD Advanced Nitrox course as we all the GUE Fundamentals course so you can teach an old girl new tricks! I have been fortunate to be involved in a number of great CDAA things as an officer and director: 30th Anniversary, Ozteks, Caves Alive, etc. We recently were lucky enough also to dive in the caves of Florida. Getting through the pen course and then becoming a Tank diver was a very proud moment for me and I felt very special being in the company of only 21 other women. This and the amazing feat of Tania Yarra reaching Toad Hall prompted me to think about a women's day of diving.

Thanks to the encouragement of fellow directors, Noel Dillon and other divers for helping get this day off the ground. No thanks to the few blokes on email against it! We started with the Tank cave dive and hoped to get others going at other levels. Unfortunately with a bad bike accident during the year this was a bit difficult. With just a small number able or willing to come for the day we cut it back to one dive and let the guys loose again in the afternoon. Heike stayed on top as the access support diver, Rob Dycer (landowner) dropped by for a visit and photos with us girls in the morning. We had a lovely relaxing dive.

I was the real newbie of the group being surrounded by women with so much pen diving experience between them. The laughter coming through the air chamber at A10 was deafening. Jane took photos, Lynne (of CDAA card fame) posed perfectly and Tania has made a great DVD of the occasion, while Heike took photos of us on land. Thanks to everyone who made this dive so special, especially to those who wanted but couldn't be there on the day.

Cheers, Terri Allen.

See page 38 for colour photos of the ladies strutting their stuff!

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Report from the Business Director

Business is as always going along pretty smoothly. Can I just remind you all please to identify any deposits into the CDAA accounts with a name and/or CDAA number. On occasion – we have no idea what money is for until some paperwork arrives.

Last issue of Guidelines called for voting on members nominated for the Hall of Fame and Life Membership. The CDAA has over 700 members and only 60 people took the time to vote. This equated to 8.5% on membership, so not enough to vote in any of the nominated members. I must say I was disappointed with the response. There are many members who have contributed a lot to cave diving and the CDAA. It costs the CDAA nothing to vote people into the Hall of Fame. It is there to recognise individual

achievements. Please take the time in future to vote – this is your association.

In this issue of Guidelines you will find a summary of the audit report. The full report will be available on the web. If anyone without access to the web wishes to have a copy – please contact me.

In the last year we have spent some money upgrading sites. The extended shed at tank cave was just under \$3600. We also spent \$2700 on upgrading access to Ten Eighty at Barnoolut towards the end of last financial year and another \$2100 in July & August this year.

Best wishes for Christmas and the New Year
Regards Heike



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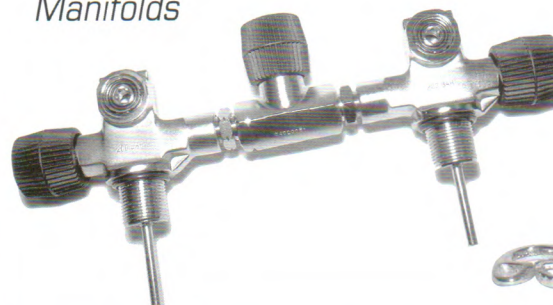
Bands



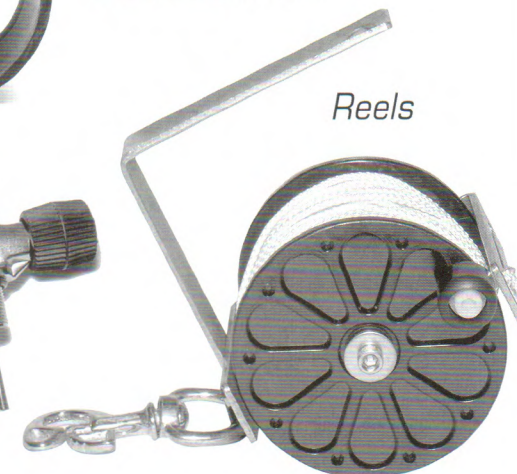
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Maintaining its position as the world's most prominent focal point for diving adventure, education and exploration, the speakers, presenters and exhibitors at OZTeK'07 continue to be drawn from the very best of the world's diving elite.

To be staged at Australian Technology Park, Sydney, Australia over the weekend of the 17th and 18th March 2007, the OZTeK'07 Diving Technologies Conference & Exhibition is firmly on track to again deliver an outstanding event with something of interest to everyone who dives.

With presenters, (alphabetically by surname) like: **Leigh Bishop**, (UK); **Peter Buzzacott**, (Aus); **John Chatterton**, (USA); **Kevin Gurr**, (UK); **Jarrold Jablonski**, (USA); **John Lippmann**, (Aus); **Richard Lundgren**, (Sweden); **Dr Simon Mitchell**, (NZ); **Rick Stanton**, (UK), and **Cedric Verdier**, (France/Thailand), already confirming their attendance at the event, the list continues to grow.

Recent additions to the speaker line-up at OZTeK'07 include: **Samir Alhafith**, (Aus) - Founder and team leader of the, The Sydney Project - an association of technical divers involved in researching and discovering important historical wrecks in depths between 75 and 135 metres on the NSW south coast of Australia.

Kevin Deacon, (Aus) - Widely revered as one of Australia's most experienced, accomplished and highly published underwater photographers.

Richard Evans, (Aus) - Regarded as an authority on Risk Management and Safety issues in diving.

Dr Andrew Fock, (Aus) - Hyperbaric physician with a special interest in decompression theory,

modelling and history.

Lamar Hires, (USA) - One of the world's foremost cave diving explorers, with well over 3,000 logged cave dives in his home state of Florida as well as on expeditions to Japan, Puerto Rico, Mexico, and the Dominican Republic, Lamar is also the founder of the Dive-Rite equipment company.

Simon Liddiard, (Indonesia) - One of the Asia-Pacific region's most experienced and qualified technical diving instructors and explorers, Simon completed the first-ever, deep Trimix rebreather dive to a depth of 150m using the buddy inspiration rebreather, in 2002.

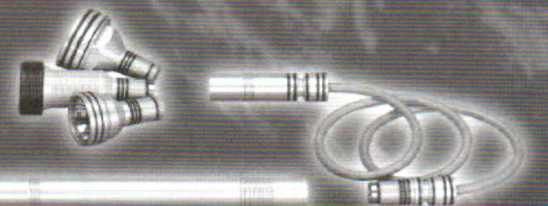
Dr Mark Spencer, (Aus) - Noted Underwater Photographer, member of the Sydney Project and deep trimix diver, Mark is also leader of the expeditions to discover, survey and record details of the Australian WWI submarine, AE2, sunk off Gallipoli.

Tania Yarra, (Aus) - A member of the C.D.A.A, A.S.F.-C.D.G (Cave Divers Group) and also of the Australian Exploration Group (AEG), Tania holds the Australian record for the longest cave dive by a female in Australia when she took part in the 2005 exploration of the Cocklebidy Cave system, penetrating over 3.7 kilometres along the cave tunnels. During a 12-hour journey, Tania became the first female diver to witness the majesty of what is possibly one of the most remote caverns in the world, Toad Hall.

For up-to-the-minute details on the presenters and all that's happening at OZTeK'07 - The Diving Technologies Conference & Exhibition, check out the website at: www.diveoztek.com.au <http://www.diveoztek.com.au> or contact the organisers at: admin@diveoztek.com.au

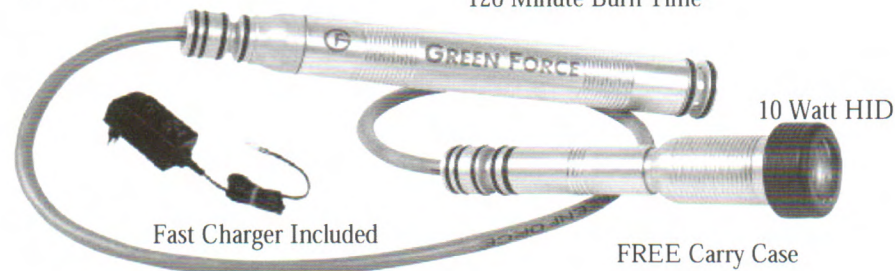
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NATIONAL DIRECTORS REPORT

DECEMBER 2006

"...Re the standard of the accounts - they are excellent....." Its statements like this from our Auditor (see pages 28 to 31) that make my job all that much easier. Once again Heike Apps as Business Director has put in some outstanding work along with Tammy Beattie our treasurer to deserve this praise. As Directors we have a responsibility, that isn't taken lightly, to protect not only the financial viability of the Association but also to ensure that we remain diligent when it comes to spending the member's funds. Although some may complain about fees, when compared with other Associations the CDAA 's fees are very good value. The only area I see that needs to be looked at in the coming 12 months is Instructor fees and costs.

Another recent trip to the USA highlighted to me just how good our facilities are. Although we don't have carpeted steps our access is of a very high standard. More tables at sites here would help and the erection of shelters in some places is about the only thing that needs to be done. The stairs at Kilsbys will soon be given a rebuild to make them safer; I have asked Gary Barklay to give this attention. Barnoolut has been open for some time allowing access into 1080 but the numbers diving have been disappointing. We were about to give "Blacks" a new access ramp and make it "diver safe" but because of the attitude towards 1080 it is hardly worthwhile spending money on a project that isn't appreciated or appears needed by the membership. We will be announcing news about Kilsbys Hole soon and increased access, there are just a few final details to be worked out. The new Tank cave map now available for purchase is outstanding and I encourage everyone to get one..

The question has arisen on whether we should change the name of the Cavern/Sinkhole Course. If

we appreciate that really it is a "Deep' water course and the name therefore should reflect what you are actually trained for then we have a quandary. Do we call the course by a name that is recognised more widely? If we compare similar training programs from other agencies we note on the whole that their courses have depth limits of 30m or more yet they are called "Deep Cavern", "Entry Level Cave", "Beginner Cave" and other titles. What should we do? Our name now does not justify the course and our certification card does not describe the depth or conditions that a member is trained for. I would like to see some discussion on this because with the introduction of the new course, which is moments away, it is a good time to change. Instructors will be approached as practically as possible on a personal basis so that each has a clear understanding of what the new course is trying to achieve and the outcome that should be expected from the candidates.

Mt Gambier has suffered from fires and in fact one of our Landowners lost his back fence when Mt Burr went up in flames recently. I can't stress to you enough that when diving anywhere in this great country of ours, that you take every precaution to prevent an outbreak. Hot exhausts, compressors, smoking, B-B-Q's and LP stoves all present a risk and I would hate to be on the receiving end of a Landowners wrath should a member be responsible for destroying a property.

I would like to wish everyone safe diving and driving over the coming Summer break, happy holiday, merry Christmas and happy new year.

Warrick McDonald.
CDAA National Director



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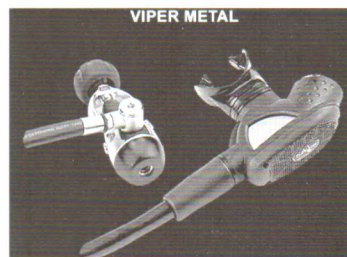


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CDAA AGM 2006

07/10/2006

Venue: Comfort Inn Silver Birch, Mt Gambier

AGENDA

a. Opening and Welcome

The AGM was opened at 7:00 pm by Warrick McDonald. The public Officer Kevin Burrows usually chairs the AGM acting on the behalf of the National Director, but Kevin is currently overseas.

b. Present and Apologies

Present:

Warrick McDonald, Heike Apps, George Yarra, Gary Barclay, Terri Allen, Jane Bowman, Geoff Chambers, Linda Claridge, Tania Yarra, Darren Walters, Deb Williams, Helen Higgins, Andrew Higgins, Neil Vincent, Lyn Vincent, Simon Holland, Mark Jobbins, Stuart McGregor, Richard Indorfer, Lorraine Hardman, Grant Pearce, Robert Cass, Jeremy Cass, Tim Payne, Howard Smith, Trevor Wynniat [Forestry SA].

Apologies:

Kevin Burrows, Barrie Heard, Max Marriott, Michael Kelly, Ken Smith, Grant Sommer, Maria Brennan, Jarrod White, Ian Taylor, Richard Harris

c. Acceptance of the minutes of the previous AGM

Minutes of the previous AGM were accepted – MOVED by Rob Brennan and SECONDED by Deb Williams

d. Business Arising from the previous AGM

No business arising from the previous AGM

e. Adoption of the Annual Reports

All annual reports except that of the site director were in the previous issue of Guidelines. Gary Barclay [site director] presented his report to members present. He spoke on various access issues including online Shaft booking, ongoing negotiations on other sites, and a rock fall at Cocklebidy [closing the site to all except CDAA divers]. CALM has a name change – now DEC.

Gary also mentioned the hard work done by site access officers and thanked Noel Dillon, Linda Claridge and Craig Larkin. He also attended the retirement of June Cairn from Lady Nelson. June assisted CDAA members for many years. Gary also thanked the State reps Mark Jobbins [NSW] and Grant Pierce [SA] Reports were accepted and MOVED by Simon Holland and SECONDED by Tania Yarra

A preliminary auditors report was available for members. The financial report submitted to the auditor was made available. CDAA has annual profits of approx \$20 000. Funds currently on CDAA books totals approx \$220 000. The financial reports were accepted and MOVED by Geoff Chambers and SECONDED by Tania Yarra

f. Appointment of an Auditor

Cleland McFarlane Selth Pty Ltd were appointed auditors for 2006. The company has been reappointed for the year 2007.

g. Results of postal voting

Due to a printers error, the incorrect date for receiving postal votes was in printed in Guidelines. Date should have read October 3rd, printed date was October 23rd. This error however does not affect the nominations for director positions and both Standards and Business positions did not attract new nominations. George Yarra and Heike Apps have been returned unopposed to office.

Warrick mentioned to those present that it was important that votes still be submitted, as Hall of Fame and Life Membership nominations required voting on. Please vote !! Votes for these positions will be counted after the 23rd, and membership will be informed.

h. General Business

New discoveries and continuing access.

CDAA / ASF for access. Nothing formal at this stage. Letter received PH stating he would like this to happen.

Clarification was requested on Policy 7 in Guidelines [IP for maps etc].

ie use of maps and graphics in articles. Warrick said it [IP] should be shared – eg if Stuart gives us a copy – we share it. CDAA has control equally with authors. Neil Vincent asked about photographs and videos – whether they were included in the policy. Warrick commented that these were not included.

Policy 7 is slightly ambiguous - and will be interpreted as directors see fit. This is the first draft – it can be modified as circumstances dictate.

A question was asked as to why Policy 7 includes prior material. Answer - so that CDAA can use maps that it funded to make [either by financial assistance or special access to sites]. CDAA does not want a situation where members are funded to do mapping and research - and then keep it to themselves.

Mark Jobbins – said membership did not vote to put this in place. Warrick stated directors acting on behalf of members. A new policy can change and grow – eg like the Nitrox Policy – now the trimix and rebreather policy. Warrick also said that CDAA regulations are drawn up and changed by the directors, then published in Guidelines and on the web. They are not voted on by the membership.

Tim Payne was asked whether he was aware of the ASF policy on IP for mapping. [No]

i. Any other Business

No other business

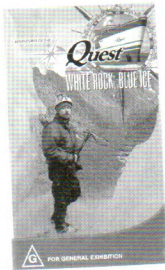
j. Close

Meeting closed at 7:30

Videos Videos

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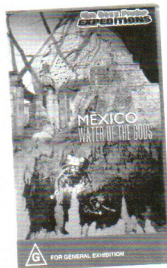
"Alaska- White Rock, Blue Ice": South East Alaska the Quest team venture underwater and underground to reveal a side of Alaska a few have seen. Braving the temperatures of marble caves, dangerous submerged tunnels and water filled caverns with huge moving glaciers, the Wights tell the story of Alaska's extraordinarily violent geographical past and present.



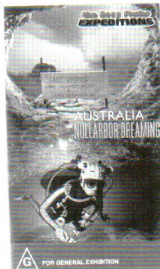
"Cuba- Beneath the Surface": This documentary reveals some of the many beautiful aspects of this magical Caribbean Island, explores the bizarre subterranean caverns and provides unexpected contrasts with Cuba's turbulent history.



"Florida- Window to a Hidden World": During November 1988, a team of Australian cave divers set out on an amazing adventure to explore the mysterious subterranean waters of the Pannikin Plains Cave. This epic underwater exploration nearly ended in tragedy when a freak cyclonic storm hit the area and the cave collapsed trapping the expedition below. The program is a graphic account of the expedition and their escape from the cave.



"Mexico- Water of the Gods": Under the dense jungle of Mexico's Yucatan Peninsula lies a vast freshwater source relied upon by the ancient Mayas - a mysterious and complex people who built and occupied complex limestone cities in this region for over two thousand years.



"Australia- Nullarbor Dreaming": During November 1988, a team of Australian cave divers set out on an amazing adventure to explore the mysterious subterranean waters of the Pannikin Plains Cave. This epic underwater exploration nearly ended in tragedy when a freak cyclonic storm hit the area and the cave collapsed trapping the expedition below. The program is a graphic account of the expedition and their escape from the cave.

SHAFT - TRIMIX UPDATE

Members may be aware that the shaft was closed between March and October this year to all diving, due to the property owner re-sowing the field.

This has delayed the anticipated trimix diving in the site for the membership. It is anticipated bookings will soon be open for February 2007.

In preparation for this it may be beneficial to note the following:

Divers must have dived the site previously on air. All dives will be guided at a ratio of 1 guide to 4 divers. Initial guides will be George Yarra, Rob Brennan, Tim Payne, and myself, Dives will be initially conducted to a depth of 65m. This will be reviewed at a later date with 80m dives anticipated, One Trimix dive will be conducted per day, CDAA Trimix allocated diving days will be every two months, Additional trim-

ix days may be conducted if agreed upon by the CDAA and the proposed guide. Divers will be able to contact individual guides to facilitate this.

Bookings are anticipated to be available on line. Divers will need to meet preset prerequisites to dive the site. Divers must hold a cave certification for a minimum of one year. Divers must dive within the limits of their Trimix certification. Divers must have completed 50 cavern/sink-hole and or cave dives out of course. No Closed Circuit Rebreather dives allowed (Landowner requirement), Fee will be \$45 pp.

The CDAA aims to have these dives can be conducted in the safest possible manner. I would encourage those divers who have not dived this site for a long time to book in for an air dive over

the summer months to familiarize themselves with the site. Steve Trewavas



Photo Dave Rhea

NEW PRODUCT Facing Darkness - (DVD) \$35.

Following some of the greatest cave divers in north Florida, Facing Darkness invites you to discover the underwater caves and how divers safely explore them. By sharing their passion, divers tell you what this is all about without false sensationalism. This documentary is about the geology, the danger, the passion and the enlightenment.

Featuring Lamar Hires, John Orlowski, Bill Rennaker, Jim Bowden.

Please use CDAA products order form in guidelines.

CDAA INSTRUCTORS

NAME	Cavern	S'hole	Cave	Penetr
------	--------	--------	------	--------

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BOWMAN, Jane (CDAA 1880)
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NAME	Cavern	S'hole	Cave	Penetr
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VICTORIA. cont.

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MONACO, Rubens (CDAA 1731)
BH 03 5984-1799
E: info@idcscuba.com.au
Mobile: 0413-429-533

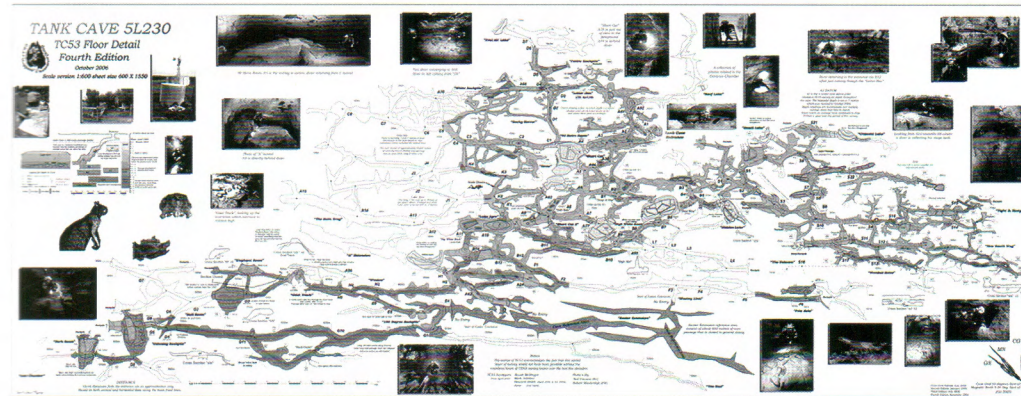
WALTERS, Des (CDAA 687)
Location: Albury
Phone: (02) 6041 1405
Email: dive@descend.com.au
www.descend.com.au

WEALTHY, Bob (CDAA 464)
Mob: 0417 524 005
Email:
somerst@austametro.com.au

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NEW CDAA PRODUCT

TANK CAVE WALL POSTER



We are very pleased to announce that the CDAA has for those connoisseurs of Tank Cave a 600mm x 1550mm wall Poster map of the cave available, being the fourth Edition of TC53 last updated November 2006.

- The image is available to order only in full size**
- Premium matt or gloss 120g paper \$96.
 - Laminated in either premium matt or gloss \$22 extra.
- For those wishing to mount it onto a background it can also be ordered in silver back.**
- 100% water proof sticker for outdoor use \$132.

The author felt early versions were just works in progress leading to a more complete and highly detailed wall map of the cave. The Fourth Edition being the result of this and will stand unchanged until 2008. Early versions, (third edition April 2006) are available from the CDAA website for download, for personal use.

~~ MEMBERS ONLY DISTRIBUTION ~~

Please use the order form in guidelines to place your order or download an order form off the CDAA website.

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED
ABN 65 062 259 956

INCOME STATEMENT FOR THE YEAR ENDED JUNE 30 2006

	Note	2006 \$	2005 \$
INCOME:			
CDAА Products net income		1,399	532
CDAА Instruction Materials net income		333	5,367
Membership fees		46,855	42,743
Non Active Memberships		1,435	1,135
Instructor's membership fees		1,040	1,720
Late membership fees		2,790	2,215
Joining and rating upgrade fees	2	5,560	4,440
Nitrox endorsement fees		500	560
Guidelines advertising income		5,142	4,050
Tank Cave Fees		8,440	8,140
30th Anniversary Dinner receipts		0	165
Fines		115	0
Visitor Permits		0	293
Penetration course receipts		16,650	9,900
Interest income		8,785	7,522
TOTAL INCOME		99,044	88,782
EXPENSES:			
Accounting and audit fees		1,875	1,875
Bank fees		415	449
Computer expenses		0	135
Credit facility fees		905	643
Govt. financial taxes		8	75
Gifts & Donations		592	0
Depreciation expense		969	636
Fundraising		0	240
CDAА Liability Insurance		22,119	22,304
Members Manuals		928	375
Postage		621	380
Post Office Box Fees		759	818
Printing and Stationery		695	442
Penetration course disbursements	3	15,034	10,700
Research and Mapping		0	212
Site expenses		11	498
Sundry		0	88
Tank Cave licence fee		8,250	8,250
Telephones		22	273
Web Site expenses	4	2,346	2,538
Workshops		463	0
Guidelines Production	5	11,660	15,191
Guidelines postage		1,501	2,032
Annual general meeting expenses		790	444
Other meeting expenses		1,479	599
TOTAL EXPENSES		71,444	69,195
NET INCOME		27,600	19,587

The accompanying notes form part of these financial statements

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED
ABN 65 062 259 956

BALANCE SHEET AS AT JUNE 30 2006

	Note	2006 \$	2005 \$
ASSETS			
Current Assets			
National Australia Bank cheque account		19,808	7,721
National Australia Bank Common Fund	6	208,819	190,012
Prepayments	7	-	8,250
CDAА Products stock		4,459	5,449
Instruction Materials stock		2,000	2,414
Members Manuals stock		5,000	5,614
Total Current Assets		240,086	219,461
Non-Current Assets			
Property, Plant & Equipment		7,170	7,170
less accumulated depreciation		(7,170)	(7,170)
Office equipment		17,923	14,428
less accumulated depreciation		(15,174)	(14,204)
Site Development Cost		6,544	-
Total Non-Current Assets		9,293	223
TOTAL ASSETS		249,379	219,684
LIABILITIES			
Current Liabilities			
Memberships received one year in advance		27,140	28,470
Inactive Memberships received one year in advance		105	-
Overpayments		440	440
Trade and other payables		-	1,200
Penetration course deposits		-	900
Accrued expenses		1,200	-
Tank Cave Fees Received in advance		3,750	880
Total Current Liabilities		32,635	31,890
Non-Current Liabilities			
Memberships received two years in advance		8,270	9,290
Memberships received three years in advance		3,290	1,760
Memberships received four years in advance		1,540	840
Memberships received five years in advance		560	280
Memberships received six years in advance		140	140
Memberships received seven years in advance		70	140
Memberships received eight years in advance		70	70
Memberships received nine years in advance		70	70
Memberships received ten years in advance		-	70
Total Non-Current Liabilities		14,010	12,660
TOTAL LIABILITIES		46,645	44,550
NET ASSETS		202,734	175,134
EQUITY			
Members Equity as at 30/6/05		175,134	155,547
add: current year Net Income		27,600	19,587
CDAА Member's Total Equity		202,734	175,134

The accompanying notes form part of these financial statements

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2006

NOTE 1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

This financial report is a special purpose financial report prepared in order to satisfy the financial reporting requirement of the associations incorporation act of south Australia.

The committee has determined that the association is not a reporting entity.

The financial report has been prepared in accordance with the requirements of the Associations incorporation Act of South Australia and the following Australian accounting Standards:

AASB 1031 Materiality

AASB 110 Events after the Balance Sheet Date

No other applicable Accounting Standards, Urgent Issues Group Interpretations or other authoritative pronouncements of the Australian Accounting Standards Board have been applied.

The financial report has been prepared on an accruals basis and is based on historic costs and does not take into account changing money values or, except where specifically stated, current valuations of non-current assets.

The following material accounting policies, which are consistent with the previous period unless otherwise stated, have been adopted in the preparation of this financial report.

a. Fixed Assets

Property, Plant & Equipment and Office Equipment are carried at cost less, where applicable, any accumulated depreciation.

The depreciable amount of all fixed assets are depreciated over the useful lives of the assets to the association commencing from the time the asset is held ready for use.

INCOME & EXPENSES

NOTE 2. JOINING & RATING UPGRADE FEES

	2006	2005
	\$	\$
Joining	2,460	1,680
Sinkhole	2,460	1,740
Cave	640	760
	<u>5,560</u>	<u>4,180</u>

NOTE 3. Penetration course payments were more than receipts in 2005 due to payments relating to the 2004 financial year.

NOTE 4. Web site expenses are those incurred in maintaining the official CDAA web site.

NOTE 5. Guidelines production costs are for three issues rather than four issues as is the case for previous years.

NOTE 6. Surplus cash is transferred to an At Call common fund where a higher interest rate applies.

NOTE 7. Tank Cave fees for 2005-2006 were paid in June.

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED

ABN 65 062 259 956

TRADING ACCOUNT FOR YEAR ENDED JUNE 30 2006

	Note	2006	2005
SALES:		\$	\$
CDAA Products	1	5,437	3,021
Instruction Materials		9,740	7,778
LESS COST OF SALES:			
OPENING STOCK:			
CDAA Products		5,449	6,160
Instruction Materials		2,414	3,211
Members Manuals		5,614	4,710
ADD PURCHASES:			
CDAA Products		3,047	1,693
Instruction Materials		8,818	1,341
Members Manuals		314	1,279
LESS CLOSING STOCK:			
CDAA Products		4,459	5,449
Instruction Materials		2,000	2,414
Members Manuals		5,000	5,614
TOTAL COST OF SALES:			
CDAA Products		4,037	2,403
Instruction Materials		9,233	2,138
Members Manuals		928	375
GROSS TRADING PROFIT (LOSS):			
CDAA Products		1,399	617
Instruction Materials		507	5,640
Members Manuals		-928	-375
LESS POSTAGE:			
CDAA Products		0	85
Instruction Materials		174	273
NET PROFIT (LOSS):			
CDAA Products		1,399	532
Instruction Materials		333	5,367
Members Manuals		928	-375

UP COMING COURSES

Cavern / Sinkhole Courses

30 January-11 February 2007 in Melbourne and Mt Gambier
Instructor: Terri Allen -0419 17 66 33 - terri.allen@baker.edu.au

10-19 February 2007 in Melbourne and Mt Gambier
Instructor: Andrew Higgins - ahhiggins@optusnet.com.au

12-25 March 2007 in Melbourne and Mt Gambier
Instructor: Jane Bowman - 03 9579 2600 - info@abocean.com.au

Friday January 26 - Monday January 29 inclusive
Saturday February 24 - Tuesday February 27 inclusive

Friday April 06 - Monday April 09 inclusive
Instructor: Linda Claridge and Gary Barclay 03 5565 8793 garinda@tpgi.com.au

Cave Courses

Saturday Feb 03 - Monday Feb 05 inclusive
Saturday March 17 - Monday March 19 inclusive
Instructor: Linda Claridge and Gary Barclay 03 5565 8793 garinda@tpgi.com.au

March 19-25, 2007 - in Melbourne and Mt Gambier
Instructor: Warrick McDonald - 03 9579 2600, 0408 374112 info@abocean.com.au

CDAА Penetration Courses

Over 2 weekends: January 12-14, Jan 20/21
Contact: George Yarra, Stds Director. Email : standards@cavedivers.com.au

Please download the latest application form off the webpage
www.cavedivers.com.au

KILSBY'S DATES FOR 2007 (Sat. & Sundays)

- February 3 & 4 • March 3 & 4 • April 7 & 8 (Easter Sat & Sun) • May 5 & 6
- June 2 & 3 • July 7 & 8 • August 4 & 5 • September 1 & 2 • October 6 & 7
- November 3 & 4 • December 1 & 2

TANK CAVE

~ DATES FOR 2007 ~

REMINDER TO ALL TANK CAVE DIVERS...

A Tank Cave returning diver application form and the annual \$110 fee will be required before any bookings can be accepted.

2007 DATES

January 13 - 14 Steve Trewavas
January 26 - 28 (Australia Day) Chris Edwards
February 3 - 4 George Yarra
February 10 - 11 Barrie Heard
February 24 - 25 Guide TBA
March 10 - 12 (Victorian Labour Day) Chris Edwards
March 24 - 25 John Vanderleest

April 6 - 9 (Easter) Jane Bowman
April 21 - 22 Linda Claridge
May 5 - 6 (Mapping) John Dalla-Zuanna
May 19 - 21 (Adelaide Cup) Warrick McDonald
June 2 - 3 Guide TBA.
June 9 - 11 (Queens Birthday)
June 14 - 17 (Extended weekend for non Vic/S.A. Divers) Warrick McDonald
July 21 - 22 Robert Brennan

INSTRUCTOR MATERIAL ORDERS:

Procedure for ordering student packs:

1. Check you are insured & financial.
2. Send order & cheque or by phone/credit card.
3. Allow 14 days from when the order is received - so allow plenty of time.
4. Student kits cannot be returned.
5. Instructors must be active.
6. Please do not pass my number on to dive shops - you should deal with them not me.

CONTACT:

IAN TAYLOR - 0411 118 134,
48 ONE AND ALL DRIVE, NORTH HAVEN, SA 5018.

~ Articles for Guidelines ~

- Send articles & photos via post, or preferably by email to:
Terri Allen, PO Box 7592, Melbourne 8004.
- Email to publications@cavedivers.com.au **and** seapics@alphalink.com.au
- Text files should be saved as Word files and pictures as separate jpeg files.
If mailing please send pics and text on CD.
- Pictures saved from digital camera or scanned from photos must be at least 200 ppi at 15cm wide or equivalent, and saved as Greyscale as JPEG's.

CDAA SITE ACCESS - www.cavedivers.com.au

Remember: Access is a privilege, not a right. Please be considerate of landowners wishes.

CN = CAVERN S = SINKHOLE C = CAVE P = PENETRATION

SITE	LEVEL	OWNER	ACCESS DETAILS
------	-------	-------	----------------

MOUNT GAMBIER - SOUTH AUSTRALIA

DEH SITES

Ewens Ponds	Nil	DEH P.O. Box 1046 Mt Gambier 5290 (08) 8735 1177	Groups of 6 or more, phone/mail to Dept. for Environment & Heritage (DEH) Smaller groups, no need. Fax: (08) 8735 1135
Gouldens	CN	DEH	General Diving: Divers to contact DEH and notify of date and site to be dived. Please make requests by phone or fax only.
2 Sisters	CN	P.O. Box 1046	Divers must have the correct CDAA diving endorsement for the site and carry current
Fossil	C	Mt Gambier 5290 Ph: (08) 8735 1177 Fax: (08) 8735 1135	financial CDAA membership card. The diver must have signed an indemnity with DEH before access is permitted. Training: The Instructor is to notify DEH of the date the sites are needed and to forward signed indemnities from each student and their temporary card number/ membership number.
Piccaninnie Ponds	S	as above	Permit holders by phone or fax. Be aware of delicate vegetation. \$20/dive or annual Permit \$50. NOTE: Indemnity form to be completed with membership renewal.
Horse & Cart	CN	Peter Cunningham	By phone or mail, 1 week prior. Ph: (08) 8738 4003.
Tea Tree	CN	PO Box 2168, Mt Gambier 5290	
Little Blue	S	District Council of Grant	Little Blue - permission not required - must carry card.
Allendale	C	District Council of Grant	Obtain key from Lady Nelson Tourist Information Centre.
Ela Elap	S	Mr. Peter Norman	Visit the house before diving.
One Tree	S		If no one home - no dive!

FORESTRY SA SITES

Dave's Cave	C	Maximum 3 divers all weekends between May & November inclusive (check and update on CDAA website).
Hells Hole	S	At least 4 divers in group - 1 with previous site experience.
Pines	C/P	Unrestricted days or numbers - Cave rated divers must not enter Penetration sections
Mud Hole	C	Unrestricted days or numbers.
Nettle Bed	P	Open every weekend. Maximum of 4 divers per weekend undertaking 1 dive only (check an update on CDAA website)
Stinging Nettle Cave	P	Open every weekend max 3 divers per day undertaking 1 dive per day (check an update on CDAA website).
Iddlebidy	P	Open every Saturday max 4 divers, 1 dive only (check an update on CDAA website)

Owner: Contact Forestry SA by email: forestry@saugov.sa.gov.au. Fax: (08) 8724 2885 or Phone: (08) 8724 2876 or book on-line via the CDAA website to arrange permit. Collect permits from the Forestry Office, RHS of driveway to Carter Holt, Jubilee Hwy, Mt Gambier.

IMPORTANT:

- No diving on Total Fire Ban Days.
- Permit also required to run compressors during fire danger season.
- Keys for Hells Hole, Nettle Bed, Iddlebidy and Stinging Nettle Cave can be obtained from Lady Nelson Visitor Centre on presentation of Forestry SA permits.

Kilsby's	S	Landowner leased to S.A. Police	Access - Open first weekend of the month. Refer to CDAA website. Twin Tanks - Maximum depth of 40 metres. Meet at gate of property at 8.55am or 12.55pm. Book on-line at www.cavedivers.com or contact Craig at kilsbys@cavedivers.com.au
		No Visitors	No animals, visitors or mid-week diving allowed.

CDAA SITE ACCESS

SITE	LEVEL	OWNER	ACCESS DETAILS
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MOUNT GAMBIER - SOUTH AUSTRALIA (continued)

Shaft	S	Generally open one weekend a month. Trevor Ashby	For access dates refer to Guidelines or the CDAA webpage. Nitrox as a diving mix is not allowed in the Shaft unless a trimix endorsement is held but deco mixes attached to the shot line are permissible. Refer to Shaft access bulletin within CDAA Regulations. Divers applying to dive in the Shaft for the first time must document dive experience with twin tanks Download form off website. Email: shaft@cavedivers.com.au (Linda Claridge, 0408 052 070)
Hann's cave	P	P & A Lasslett	Groups of four divers only apply in writing to Site Director. Limited groups will be allowed access over the summer months. The site is very delicate and therefore only limited access is available. Divers applying will be notified as to further access details. Please include a stamped self addressed envelope.
Engelbrechts		Mt Gambier	Obtain key from Mt Gambier Tourist Information Centre. Access agreement must be signed prior to diving. 2 divers must sign out keys, all divers must sign in
- East	C	Council	advising which groups they are diving with. Diving should be avoided after heavy rain due to possible water contamination. Diving hours are now restricted to 8am to 8pm CST.
- West	P	Lessee Ph: (08) 8723 2299	
Three Sisters	P	Millicent Council	Download Indemnity from Web Page. Access available for experienced Penetration divers only. Low profile or side mounted independent air systems required. Access agreement must be signed prior to diving. Please allow 4 weeks for indemnities to be processed.
McKay's Shaft	S		Contact Phil Argy at Mt. Gambier access and indemnities.
Tank Cave	P	Mr. DYCE	Access Manager: Noel Dillon. Email: noel.dillon@macquarie.com
Baker's Cave	C		Please write to the Site Access Director to dive in Baker's Cave. Include stamped self-addressed envelope. Climbing equipment required. Only open October to April.

NULLARBOR - WESTERN AUSTRALIA

Cocklebidy	C/P	Apply in writing for permission to dive at least 4 weeks in advance of trip to: District Manager, Department of Environment and Conservation (DEC), PO Box 234, Esperance, W.A. 6450.
Murra El Elevyn	P/C	Phone: (08) 9083 2100 Fax: (08) 9071 3657.
Tommy Grahams	C	
Weebubbie	S/C	DPI The Department for Planning and Infrastructure, Midland, State Land Services South East. PO Box 1575, Midland 6936. Contact Bob Hamilton, Email: bob.hamilton@dpi.wa.gov.au Phone (08) 9347 5047 Fax (08) 9347 5004

N.S.W. - WELLINGTON CAVES

Limekiln (McCavity)	P/C	Both Penetration and Cave Level are being accepted for this cave depending on it's water level at the time. The cave has a restriction at the entrance which is underwater making it a Penetration Dive. During drought, the water level drops to form a small lake below the restriction allowing experienced Cave Divers access to this delicate cave.
Water (Anticline)	C	Affected by high CO ₂ levels during Summer/Autumn. Access is co-ordinated with the Wellington Caves management by Greg Ryan - gregr@cs.usyd.edu.au. Phone (02)97434157
Rum Jungle Lake	S	Unrestricted access currently exists - Please refer advice Guidelines #68 or check CDAA website.
Burrinjuck	S/C/P	This is a tri rated site. Please see details in issue No. 73. There are no specific access arrangements.

CDAА PRODUCTS ORDER FORM

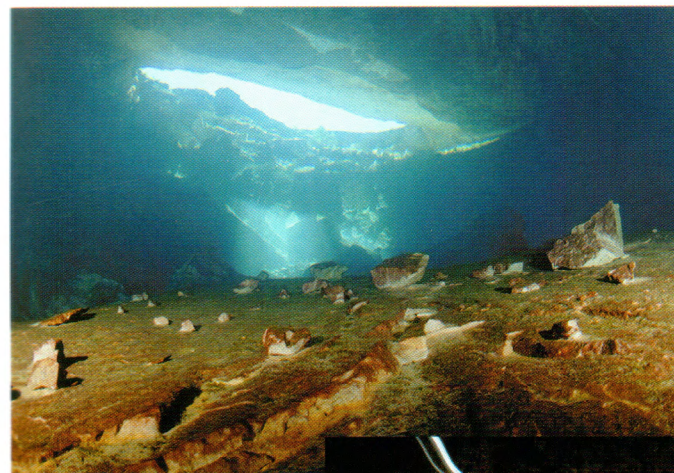
Please send to: Helen Higgins
CDAА, 3 Harris Crescent,
Glen Waverley, VIC 3150.

QTY / COL/SIZE	ITEM	UNIT PRICE	TOTAL
BOOKS	An Introduction to Technical Diving. By Rob Palmer. Explains clearly and simply the advanced techniques & technology used to undertake Technical Diving, and what is done to overcome problems arising with nitrox & mixed gases.	\$45.00	
	Basic Underwater Cave Surveying. The standard publication for anyone remotely interested in research and survey techniques used in water filled caves.	\$30.00	
	Cave Diving Communications. A manual from NSS - CDS dealing exclusively with all underwater communications used in cave diving. Including touch, torch and line signals, and use of line arrows and jump reels.	\$25.00	
	Cave Diving - A Blueprint for Survival. A book by the world-renowned cave diver, the late Sheek Exley, this is a case study of a number of accidents that have occurred in the USA and how to avoid them.	\$15.00	
	Caverns Measureless to Man. The story of the passion for cave diving of the late Sheek Exley who spent his life exploring underwater caves. Publications Directors pick. Amazing book you can't put down once you start, a must read!	\$50.00	
	Cave Practice & Equipment. Edited by David Judson British Cave Research Association. Updated 295 Page book, fully illustrated with over 200 line drawings & 33 pages of dramatic photographs. Full chapter on cave diving by Martyn Farr.	\$40.00	
	CDAА Occasional Paper No. 2. From National Conference 1981. Includes topics such as Fossil Cave, Belay Techniques and Cocklebirdy 1979.	\$2.00	
	Deep Into Blue Holes. By Rob Palmer. This is the project manual written about his trips to the Bahamas, diving some of the most advanced and spectacular caves in the world.	\$55.00	
	Diving in Darkness By Martin Farr. Personally signed by the author. Provides a clear, concise and modern overview of the essential equipment, skills and techniques required to dive in caves, mines, wrecks and beneath ice. Published in softback Diving in Darkness is packed with 170 photographs and diagrams throughout its 128 pages.	\$75.00	
	Hidden Splendours of the Yucatan Hidden Splendours of the Yucatan is photographer/author Lalo Fiorelli's story of exploration, teaching, and photography in the caves of Mexico's Yucatan Peninsula. His stunning photography is complemented by the lively, down to earth writing style that brings the experience of exploration to the reader. A must read for those planning a Mexico trip or at least dreaming of one!	\$49.00	
VIDEOS/DVD'S	Lower South East Cave Reference Peter Horne's illustrated catalogue of the Lower South East Region of South Australia.	\$130.00	CURRENTLY UNAVAILABLE
	NSS Cave Diving Manual. The standard reference manual in cave diving covering just about every conceivable topic. New Edition.	\$55.00	
	NSS Cavern Divers' Manual. The standard reference manual in cavern diving covering almost every conceivable topic. Also most principles behind safe sinkhole and cave diving.	\$30.00	
	New Edition of Peter Horne's Lower South East Cave Reference. An illustrated catalogue of the Lower South East Region of South Australia. CURRENTLY UNAVAILABLE	\$130.00	
	The Darkness Beckons. By Martyn Farr. The history and development of cave diving.	\$75.00	
	The Cave Divers. By Robert Burgess. Paperback 352 pages. Full history of cave diving in the States and further afield. An interesting mix of adventure and archaeology. Robert Burgess has been diving for over 50 years. He lives in Chattahoochee, Florida.	\$40.00	
	The Taming of The Slough. This is Sheek Exley's exciting story of the discovery and mapping of the Peacock Springs Cave System - at the time the world's longest underwater cave.	\$45.00	
	Australian Cave Diving - A Contrast. By Tony Carlisle. Four short documentary type videos on Warbla Cave, Three Sisters Cave, The Road to Toad Hall and Tank Cave.	\$25.00	
	Australia "Nullarbor Dreaming". During November 1988, a team of Australian cave divers set out on an amazing adventure to explore the mysterious subterranean waters of the Pannikin Plains Cave. This epic underwater exploration nearly ended in tragedy when a freak cyclonic storm hit the area and the cave collapsed trapping the expedition below.	\$29.95	
	DIR 2004. Jarrod Jablonski & George Irvine - 3 DVDs. 8 hrs viewing. Great sections on stage tanks, beautiful diving shots in Wakulla	\$99.00	
CLOTHING	Facing Darkness. Following some of the greatest cave divers in north Florida, Facing Darkness invites you to discover the underwater caves and how divers safely explore them. About the geology, the danger and the passion.	\$35.00	
	Florida "Window to a Hidden World". The ultimate cave diving adventure. Andrew and Liz with fellow cave diver-explorer Wes Skiles, take us on a journey to discover the beauty and danger of the Florida aquifer. Beneath the surface of Florida lies one of the planet's largest freshwater reserves. Producers: Andrew & Liz Wight.	\$29.95	
	Mexico "Water of the Gods". An exploration of ancient Maya ruins and underwater caves. Producers: Andrew & Liz Wight. Director: Liz Wight.	\$29.95	
	Water of the Gods - Under the dense jungle of Mexico's Yucatan Peninsula lies a vast freshwater source relied upon by the ancient Mayas - a mysterious and complex people who built and occupied complex limestone cities in this region for over two thousand years. Andrew and Liz Wight explore their hidden caves, uncovering their beauty and mystery, and providing a link to the past.	\$29.95	
	Cuba "Beneath the Surface". This documentary explores the role water has played throughout time in the history of Cuba. It reveals some of the many beautiful aspects of this magical Caribbean island, explores the bizarre subterranean caverns and provides unexpected contrasts with Cuba's turbulent history. This is an expose of a Cuba we believe we know.	\$29.95	
	• 30th Anniversary Embroidered Crew Neck T-shirts. Burg., White, Royal blue or Blk - M, L, XL, XXL	\$25.00	
	• 30th Anniversary Polo Shirts. Grey with black trim or black with red trim. Looks very smart!	\$35.00	
	• Polar Fleece Jumpers. Colours: Blue, Black. Original logo. Keeps you toasty warm and smart!	\$60.00	
	• Polar Fleece Vests. Colours: Blue, Black. Original logo. Great to wear as extra layer under the drysuit!	\$40.00	
	• Blue Crew Neck T-Shirts - Royal Blue, Regular logo Sizes S, M, L	\$25.00	
MISC.	• Ladies' Crew Neck - Smaller white t-shirts with shorter sleeves and "female" cut. Royal Blue, CDAА regular logo on the front. Sizes 8,10,12	\$22.00	
	• Beanies. Navy only.	\$20.00	
	• Caps. Black only.	\$20.00	
	• CDAА Key Rings. Blue with gold motif. CDAА P.O. Box on back.	\$5.00	
	• CDAА 25th Anniversary Stickers. Yellow. Include stamped self addressed envelope for delivery.	\$1.00	
	• Tank Cave Poster. Full Colour 14.5" x 25" poster of Tank Cave by Peter Rogers. Price includes p&h.	\$8.00	
	• CD of Guidelens 1-91 All Guidelines as searchable pdfs on CD.	\$10.00	
	• DVD of Sidemount Workshops	\$10.00	
	SIZE - Please Advise		

Cardholders Name: _____ Order Date: _____ Sub Total \$ _____
 Address: _____ Plus P&H \$6.00
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 Card No. [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []
☐ Bankcard ☐ Mastercard ☐ Visa
 Expiry Date: _____ Signature: _____ Ph: () _____ Fax: () _____

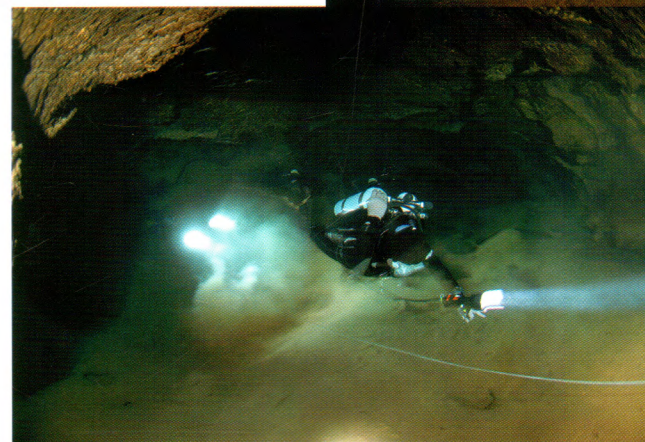
So you want to take photos in caves...

Photography by Richard 'Harry' Harris ~ from article on Pages 7-10 this issue.

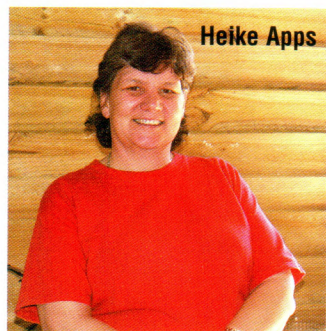


Soft fill in light from my helmet lights balance the natural light in the background. I would never have got the exposure right with a film camera."

"Setting up your strobes in dry passage and having a play can be plenty of fun between dives. A 30sec exposure after the strobes fired gave me time to walk back up the cave with my headlight on."



"My strobes light the foreground, the rear diver's video lights fill the background. A slow shutter speed gives a sense of movement to the shot. It is hard to get too much light in caves!"



Heike Apps

CHICKS IN TANK

*'a Ladies
perspective'*



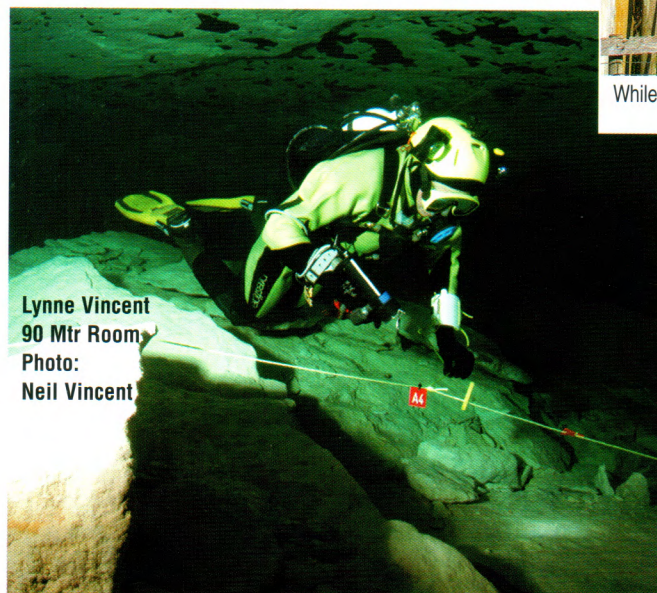
Tania Yarra



Terri Allen, Heike Apps, Tania Yarra, Lynne Vincent and Jane Bowman.



While the chicks play, the blokes fix the windmill at Tank (as it should be!). Rob Dycer on top.



Lynne Vincent
90 Mtr Room
Photo:
Neil Vincent



Terri Allen

Nitrox to Trimix to Rebreathers: Who else would you trust to Extend the Range of your Diving Knowledge?

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