



C.D.A.A. Newsletter

No. 80 - JUNE 2002



SENTINEL DIVER

CAVE DIVERS ASSOCIATION OF AUSTRALIA

(Incorporated in South Australia)

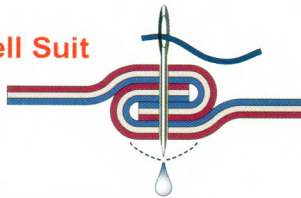
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Editors Note...

Hello all... well, what can I say, Winter has hit. Like many Melbournians, I spent most of summer in shorts and a t-shirt, right up until the first week of May. Very few days since December was I seen in anything that resembled jeans or a jumper. What a change since then. To think I was diving Sorrento Back Beach in early May wearing only a 5mm one-piece, the ocean was flat, the vis awesome and the water, a comfortable 18 degrees. Now I sit indoors next to a heater!

I guess that's one privilege of salt water diving. The temperature varies annually and fortunately for almost 6 months it's comfortable and cosy. With cave diving, water temperature in the caves stays much the same year-round, I believe? I've dived Ewens Ponds in summer and winter and the water seems to average 15 degrees. I've never heard or read about the temperature changes of cave diving though. What do cave divers generally wear to counteract long time exposure underground? What are the temperature variables, are there thermoclines... Send me an article, I think it would make good reading.

We still need articles for guidelines, latest treks, new divers to the scene, it doesn't need to be long, just a page and a few photos! Thanks, Dave Bryant.

ARTICLES FOR GUIDELINES...

Members wishing to submit articles for inclusion in guidelines can do so in the following manner:

- Send articles & photos via post to:
The Editor, David Bryant,
P.O. Box 2198, Rosebud, VIC. 3939.
- Email to seapics@alphalink.com.au
- Any files for inclusion should be saved as MS WORD text files or Quark if using a Mac. If mailing please save pics and text to CD, not floppy disc and include a hard copy, thank you. Colour photos can be supplied for scanning.
- 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.
Photos can be sent to the editor for scanning and will be returned asap.

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Front cover:

Photo credit:
John Winkler

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David Bryant

Area:
Kilsbys Sinkhole

(Image was reproduced
from CDAА website)

CAVE DIVERS ASSOCIATION OF AUSTRALIA

ABN 65 062 259 956

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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 Editor, David Bryant, PO Box 2198 Rosebud Vic. 3939. All articles and submissions shall automatically constitute an expressed warranty by the contributor that the material is original. We assume no responsibility for unsolicited material. Articles and information may be reproduced without prior permission provided reprints are accredited to the authors and GUIDELINES. Private advertising for caving and diving equipment may be advertised free at the discretion of the Editor. Opinions expressed in GUIDELINES are those of the individual authors and are not necessarily those of the C.D.A.A.

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If you know who you want to write to, please address your letter to the relevant director. Website: www.cavedivers.com.au

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CDAА INSURANCE

Combined Public/Products liability policy limit \$10,000,000
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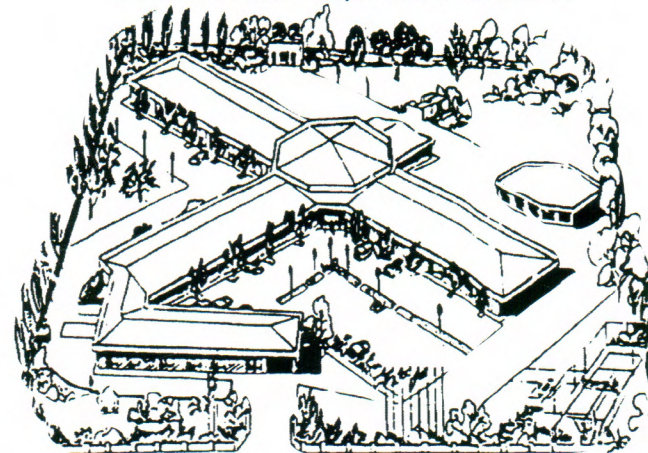


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The NULLABOR

in a week!

I was recently lucky enough to be involved in a Nullarbor expedition that included Lamar Hires, CEO of Diverite and internationally respected cave diving educator and explorer. Due to Lamar's busy schedule time out there was to be relatively short, in fact what we would normally do in two weeks had to be compressed into nine days.

The party consisted of Lamar, Tony Davis, Wayne Wilson, Rubens Monaco, Stephen Bourke, Lorraine and myself. Setting off from Carrum Downs (one of the south eastern suburbs of Melbourne) in a Landrover Defender towing a trailer full to the roof with diving, caving and camping gear we soon settled into the rhythm. Knowing that we had 30 hours of constant driving ahead of us to reach Cocklebiddy the Friday morning peak hour traffic became just another one of the adventures to be had along the way.

The second half of the party that was able to travel at a much more civilized pace eventually caught up with us just before Kimba at about 1AM Saturday morning. After a quick exchange of stories we left them to roll out their swags for a few hours of kip while we pressed on in the trusty Landy.

As this was our eighth trip to the Nullarbor we have come across various tips and ideas from others to make the journey a little more bearable. One of the best tips that we have been

given so far is to listen to talking books. They are generally available for purchase from book shops and most libraries have them for loan. Another tip that works well for us is to remove one or both of the rear seats to allow a full length bed to be set up in the back of the car so that you can catch two to three hours of good sleep whilst still travelling.

As planned our campsite was alongside Murra-el-Elevyn which situated us centrally for the three sites that we planned to dive at the Cocklebiddy end. It also allows you to pop into the roadhouse for showers or meals if the weather or the enthusiasm dictates it.

The first day of diving was spent in Tommy Grahams, I have found it to be the most demanding if not physically then certainly mentally. By tackling it first you can draw on fresh energy reserves and you create a cohesiveness within the group that will serve you well for the rest of the trip. This was the first exposure that Lamar had had to Nullarbor diving and his passion for dry caving proved to complement the effort required to get to the dive site. We chose not to go over the inner sanctum but rather make a lighter trip into the cave and concentrate on enjoying what the first sump has to offer.

Day two and three were spent in Murra-el-Elevyn, I always feel that Murra is a play ground that allows you to explore at your own pace, provides ample backdrops for photography and, like

all the Nullarbor sites, is stunningly beautiful. Our next swim was to the rockpile in Cocklebiddy. This was where real team work came into its own. To get us in and out as quick as possible we stripped our gear down to the bare essentials and then were blessed by the offer of Tony, Wayne and Lorraine to give up their dive to help carry our gear in and out of the cave. For Lamar a swim into the rockpile is no big effort but for the rest of us "normals" it generally requires a certain amount of mental preparation. Lunch for the four of us was on the Toad Hall side of the rock pile with prima juice and power bars and time to reflect on just how lucky we were and realized that Lamar was one of the few if not the first American to visit there.

Time came to pack up and move back to Weebubbie. For us that meant deep diving but for our overseas guest the system was still relatively shallow. Lamar commented on how similar Weebubbie was to some of their large caves back home but had the benefit of being shallower.

Reflecting on the trip, we all enjoyed what nature has provided us and I feel privileged to have been able to receive some insight from one of the world's top cave divers. Lamar agreed that the Nullarbor provides truly world class diving and admitted that in all his expeditions the Nullarbor had proved to be the most physically demanding he had undertaken thus far. We also learnt that we could consider ourselves as expeditionary cave divers as opposed to recreational cave divers.

During the five days of diving we manhandled approximately 3000 kg of equipment over a vertical distance of approximately 700 M and a horizontal distance of approximately 3000 M. We formed new friendship and strengthened old ones and learnt a lot more about ourselves. Yes I will be going back there again and I urge everyone that hasn't been yet to try and get out there at least once or you will never know what your missing!

IMPORTANT REMINDER...

Please note that fees are due on July 1st.

Do not let your membership expire.

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'LATEST NEWS'

NEWS FROM FORESTRY SA

The new Ranger at Forestry SA is Karren Laudenbach. She replaces Trevor Wynnai who has moved on to a location closer to Adelaide. We wish Trevor all the best in his new job and welcome Karen to the Mount. Access arrangements remain unchanged.

STANDARDS AUSTRALIA

The new Australian Standard that covers recreational and work place diving activities is about to come into force. This new standard will cover such areas as Trimix, Rebreathers etc The National Committee is currently engaged on working how this can best be incorporated into our standards and regulations.

NOTE TO NSW MEMBERS RE OzTek

If there is sufficient interest from NSW members we will organise an informal meeting during OzTek in Sydney. This will be an opportunity to meet and greet members from other states and discuss any topics you wish to raise. If you are interested in participating please email any of the directors whose addresses appear in the front of this issue.

OFFICE BEARERS

Elsewhere in this issue is the call for nominations for Office Bearers. Two positions fall vacant at the AGM, that of Standards and that of Business Director. Richard Price has indicated that he is prepared to re-stand, for which I am very grateful. Paul Axton will not be standing

again and I wish to take this chance to thank him very much for the dedication he has shown to the role. Like all the positions, they are often thankless and Paul has done a terrific job. Lorraine Hardman, who most of you will have had some contact with over the years, is also handing in her job. Terri Allen has agreed to take over and will be looking after renewals as of now. To Lorraine many thanks – you have been an enormous help to all of the Associations members. To Terri, welcome on board. Note also that some office bearers have changed their email addresses. Please consult the Directory in the front before making contact.

NEW ONLINE DATABASE

Tony Richardson who looks after our website has suggested the establishment of a database which will be set up is for members to elect to publish their details online. They have total control and add, edit, or delete their entry. This will allow members to have a "contact book" of other members available online. We regularly get requests from members looking for contact details of other members. On the "old" CDAA site and at sites such as Jurgen Bohnert's there was/is a list of cave divers details, those who have elected to have them published. These pages are manually updated (laborious), and Tony intends to establish an automated system. Added to that will be a classifieds section enabling members to advertise second hand gear etc. So keep an eye on the site, www.cave-divers.com.au

SITE IMPROVEMENTS...

Coming soon to a dive site near you! Tables just like the ones at Englebrechts will shortly be erected at most of the Sinkhole sites plus a couple of other locations. In case you've never been to Englebrechts they are a low flat 2 square metre platform just the right height for assembling and donning twins.

CAVE DIVERS ASSOCIATION OF AUSTRALIA

NOTICE OF 2002 ANNUAL GENERAL MEETING, ELECTION OF OFFICE BEARERS AND VOTING FOR MEMBER MOTIONS AND CONSTITUTIONAL AMENDMENTS...

This notice is issued pursuant to Clause 32 of the Constitution and serves to advise members that the Annual General Meeting of the Cave Divers Association of Australia will be held on Sat 5th October, 2002 at the International Motel, Mt Gambier. The Annual General Meeting will commence at 10.00am and will conclude no later than 12.30pm.

This notice also serves to call for:

- Nominations for Standards Director and Business Director.
- Member motions
- Amendments to the Constitution

Nominations for the Directorate positions must be received by the Returning Officer no later than the close of business Monday 19th August, 2002.

Member motions and proposals for amendments to the Constitution must be received by the Business Director no later than close of business Monday 19th August, 2002.

Items received after this date will not be accepted nor will any extensions to this date be granted.

Members intending to nominate for an Office Bearer position must be an eligible member of the Association as defined in the Constitution. Nominations should be accompanied by a precis not exceeding one hundred words detailing skills, experience and achievements relevant to the duties and responsibilities of the nominated position. The responsibilities of Office Bearers are contained in the Constitution of the Association. Nominations must be in writing and be signed by the nominee, the proposer and the seconder all of whom must be eligible members of the Association.

The polling date for the election is Thursday 3rd October, 2002.

The constitutional amendments carried at the 1998 Annual General Meeting and reported in issue #67, (December 1998) of Guidelines, provided for two year terms for Directors starting from the 1999 Annual General Meeting. Nominations in the year 2002 will be for Standards Director and Business Director, and will then be effective for two years, (Section 26(3), 26(4)).

The election of Office Bearers and voting on amendments to the Constitution will be conducted entirely by postal ballot.

If you wish to vote you must be an eligible member of Association, you must use the ballot papers to be provided in the next issue of Guidelines or by special mailout.

You must ensure the ballot papers reach the Returning Officer no later than close of business, Thursday 3rd October, 2002. Detailed voting information will be provided with the ballot papers. Questions may be directed to the Returning Officer, PO Box 290, North Adelaide 5006.

Just letting you know...

**From Paul Hosie,
Australasian Technical Diving
Group & Database.**

Firstly:

It is my privilege to inform you that the Nullarbor has a new diveable cave with at least 1.2km of diveable, surveyed passage.

The cave itself was discovered just over one year ago by Max Hall during an ASF joint club dry caving expedition led by the Illawarra Speleological Society.

At the time it was considered to be of little interest and was simply assigned a numerical designation - 6N1951.

Following investigation for diving potential in January this year, the small entrance lake was found to lead into a major conduit with many side tunnels as well as a large lake chamber. Exploration and surveying dives were conducted and recently completed by Andrew Nelson and the author.

Hearty thanks go to dry cavers Dean Slater, Kylee Draper and Jong Il Moon of WASG who made the initial diving exploration of Olwolgin possible. With approval from the discoverers, the site has been named Olwolgin Cave, after a nearby bluff.

Olwolgin was one of two new caves found last year with water in them and our team initially walked a 9km round trip through thick bush to check them out. An exploratory dive rig of twin 3ltrs was used.

Secondly:

It is my pleasure to inform you that Mullamullang Cave has finally revealed extensive underwater maze passages after many fruitless trips over the past few years.

Total length of passages is estimated at 800m, with 600m surveyed. The new passages are divided between two of the cave's 28 or so lakes.

Easter Lake has 150m of passage including 100m through the incredibly beautiful Crystal Coated Passage which has been video'd.

Another lake in the vicinity yielded the greatest surprise - more than 500m of multilevel maze passage connected via floor/roof holes and large breakdown chambers.

NHVSS members David Apperley and Paul Boler, together with the author were the privileged (and by the end - physically destroyed) divers.

John Renwick (WASG) and Robin Smith provided tireless effort in their assistance with the initial push dives - our thanks to them both.

To dive the u/w passages in Mullamullang require about 2.5km of dry caving. Do that every day for six days with 55s and you get some idea of the pain involved !!

Thirdly:

John Renwick & the author (both WASG) pushed the Federation Passage lead of Nurina Cave and broke into a new section of the cave with another 50-100m of passage explored. This brings the total passage length in Nurina to approximately 400m.

Lastly:

More work is needed on the Nullarbor by cave divers to continue exploration and surveying efforts. Anyone interested and available over the next two months is invited to contact me. Full details of all these latest discoveries, including the progressive exploration maps and photos are now online at the trimixdivers website.

We won't be able to keep this up forever, but while we can . . . it's immensely rewarding !!

Cheers, Paul Hosie

www.trimixdivers.com

OVERSEAS VISITORS...

(aka) Two Taffies and a Pom!

by
Chris
Edwards.

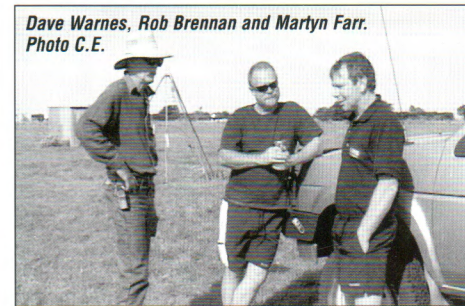
Elsewhere in this issue is a report from Paul Axton on the short trip that Lamar Hires made just recently to Australia. From the other side of the Atlantic came famous Welsh diver, explorer, photographer and author, Martyn Farr. Martyn was accompanied by two friends Phil Dotchon (also Welsh) and Steve Marsh (the lone pom). They spent the first part of their visit in NSW where Gerry Chia had kindly organised some dives in Wellington and the second half, which was Easter, in the Mount enjoying some of the better sites there. Martyn also took time out to observe aspects of the Penetration program which was being run at the time. It was my great pleasure to have the chance to meet, talk and dive with these guys and I know that they would want me to pass on their thanks to all those people who assisted in their arrangements in Australia.



Back row; Phil Dotchon, Gareth Morgan, David Hillgermann, Michael O'Toole, Steve Marsh. Front; Martyn Farr and Chris Edwards. Photo David Hillgermann.

and afterwards commented that the line laying and marker system was one of the best he had encountered anywhere in the world. High praise indeed and a credit to people like Phil Prust, Chris Brown and the many others who spent hours and hundreds of dives mapping and laying line to help make Tank the fantastic site that it is today.

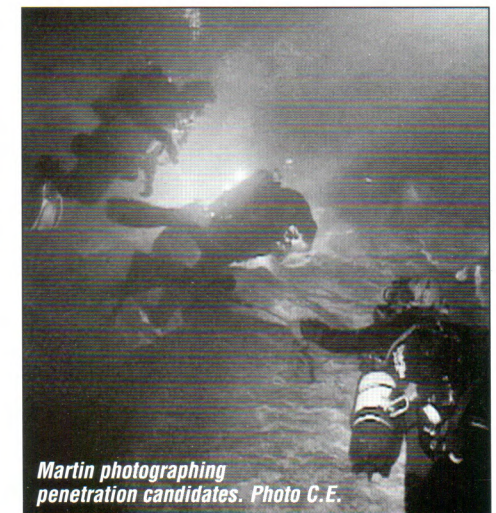
The August issue of the UK publication "Diver" will have Martyn's article in it so keep an eye out for that.



Dave Warnes, Rob Brennan and Martyn Farr. Photo C.E.

Martyn's sidemount rig was particularly interesting to me, mostly because of its simplicity (check out Farrworld.com.uk) as was the use of "snoopy loops". I recently had an email from Martyn to say that he'd just done a dive back home and the temp was 7degrees, the viz -3m and we in Australia were all spoiled!

Martyn did three or four dives in Tank Cave



Martin photographing penetration candidates. Photo C.E.

TECHNIQUES

By Steve Trewavas

LIGHT DOUBLING

The following is a simple technique that may assist new cave divers develop their skills.

- How often do you find yourself stopping and looking behind to become satisfied that every diver is accounted for?
- Do you find yourself regularly covering your light in an attempt to locate the light beam of dive team members?

This slows a diver down, wastes time/air, is bound to affect your trim in the water and has the potential to silt things up. **Light doubling** is a term we use to explain a technique used to limit the above occurring.

Explained simply, a lead diver should place his/her light beam on prominent points of a cave wall, roof, floor, etc that is visible by all members in a dive team. This point is fluid and changes continuously as the leader throughout a progressing dive, identifies new points. Following divers then move their torch beams to the leaders focus point and pause there together before moving off to investigate the cave.

The lead divers torch is expected to still explore the cave for leads or points of interest but regularly return to prominent points within the cave to assist with identification and communication. With practise you will find that a regular time interval or pattern emerges within the dive team. I think you will be impressed with the simplicity and the confidence it creates.

To best utilise this technique divers need to have torch beams of a similar intensity. It is of little use if a following diver is trying to double with a wattage half that of the dive leader. Additionally tight focused beams are much more efficient. Other factors to consider include the physical structure of the cave or sinkhole and the water visibility.

I find light doubling a useful skill and would encourage others no matter what certified level to try out the technique.

Serious Decompression Incidents are Decreasing

Research by Divers Alert Network (DAN) into reported cases of decompression illness world-wide, suggests that serious incidents are becoming less frequent.

The research is based over an eleven year period from 1987 to 1997, and examined about 500 incidents of decompression illness per year, which represents approximately half the reported incidents. The DAN report found that only 0.04% of divers experienced a decompression illness, which suggests that diving is a relatively safe sport.

There was a significant decrease in the more serious signs and symptoms of DCI reported by divers, and a big reduction in the number of divers experiencing arterial gas embolism injuries after a fast ascent.

While the number of divers and the frequency of dives being made has increased over the eleven year period, the number of incidents of DCI has remained relatively constant. Of the DCI incidents that occur, a consistent two thirds are neurological, but the number of divers reporting more serious symptoms; such as paralysis, or losing consciousness, has dramatically reduced over the eleven year period.

The report considers that the improvements have been enabled by a number of factors:

- increased use of safety stops and dive computers, which effectively slow ascent rates
- greater awareness on the part of divers, through better training and information
- faster recognition and treatment of DCI injuries

The research highlights some interesting trends.

- the average age of the injured divers has risen from 33 years old in 1987, to 36 years old in 1997
- divers who reported injuries were likely to have made more frequent dives than those who did not report any injury
- the proportion of women divers has increased from 24% to 31%
- the use of diving computers has risen from 15% to 59%

The report stresses the need for early recognition and treatment of decompression illness and encourages further diver education, continuing medical research, and adequate insurance cover for divers.

NOTICE, RE ELA ELAP

Many of you will be pleased to learn that the tree has finally sunk in Ela Elap. Peter Norman has very kindly agreed that access will once again be available once lambing season is over in September. HOWEVER as usual a few have been jeopardising access for the rest. PLEASE remember that access is a privilege. The Normans cannot always be at home simply because we want to dive.

If no one is at home, then go to another site. If Peter says you can only access one or other of the holes then so be it. Under no circumstances is anyone permitted to enter the property without permission. Neither One Tree nor Ela Elap can be booked so DON'T ASK. Arguing with the Normans about them not being available, or because you forgot your card etc will bring action from the Directorate. Any member caught breaking the rules on this site will be suspended and fined. Peter has made it very clear that he is reaching the end of his tether. PLEASE do not ruin future access.

REGULATION CHANGES

At the last National Committee Meeting it was agreed to amend the Regulations with regard to two areas. The first relates to the fee structure and has come about in response to the late fee issue. The Committee have decided to amend the late fee to \$45, for renewals after Sept 30 and up to March 31. A lapsed member in their first year, who renews after April 1 will only pay \$10 up to June 30. There will be a ceiling of five years back payment owing. The intent of this change is that lapsed members will be required to pay \$45 per year up to a maximum of \$225. Lapsed members will be required to prove currency/competency before renewal is granted.

Inactive membership fee drops from \$45 to \$35.

Special Visitor Permit becomes \$35.

Associate Membership Fee becomes \$35.

The other change relates to Section 1.4.

1.4.1 now reads - Special Visitor Permit can only be issued to Associate Members on application to the National Committee in writing.

1.4.2 now reads - The intent of Special Visitor Permit is to allow suitably qualified divers access to dive sites in a controlled manner.

INDEMNITY REMINDER...

A reminder to all members that your indemnities for the sites controlled by the Department for Environment and Heritage expire with your CDAA certification. In other words you must renew that indemnity as often as you do your membership if you wish to dive Pics, Gouldens, Sisters, Fossil or Ewens.

On that subject don't forget that Kilsbys indemnities need to be renewed every FIVE (5) years. If it's been a while then download a new one from the web site and forward it to Gerret Springer whose details appear on the access page.

NATIONAL DIRECTORS REPORT - June 2002

Sometimes the job of National Director has its down side. It seems you just can't keep some people happy. But there are times when its all worthwhile, like arranging Martyn Farris visit along with help from Gerald Chia in Sydney. Martyn was able to dive Wellington with a number of CDAA members and their friends. Mt Gambier turned on perfect weather and vis. to make it a lifelong memory for the three British divers. For those of you who had the opportunity to dive with Martyn, Phil and Steve I know that you will remember it. Martyn appreciated being left alone so that he could get on with diving while down south without being expected to speak at functions etc. Hopefully we will have Martyn back next year to dive the Nullarbor and be a guest speaker at our 30th Anniversary celebrations in October 2003.

The Nullarbor had quite a few guests recently with Paul Axton, Tony Davis and others looking after Lamar Hires for his first initiation into desert diving. Lamar told me later that it was the hardest, toughest, physically demanding diving he had done, yet ranked as some of the best.

Recently I have been representing the CDAA in a number of political (?) avenues. Two radio interviews and an "AGE" newspaper article about Insurance difficulties. "Inside Sport" about the "dangers" of cave diving and a recent Qantas News radio interview to be played for a month on all Qantas flights discussing cave diving and the benefits of being a CDAA member. It was disappointing to see input by two other well-known divers that were negative towards the CDAA and suggested that we should be waiting for the body count. It amazes me that the suggestion is made in the first place, but to state it in a National magazine is unforgivable. Should something happen they will be able to say, "I told you so" which will probably make them feel

very smug. Let's hope for their sake that it's not the other way around, egg really stains the face.

Richard Price (Business) reports that Tank Cave has broken even with its expenses. More divers with access than ever before, plus as the members requested, user pays!

Changes are coming to Forests SA as well, with the new access agreement finally completed, the future may see Lady Nelson issuing permits 7 days a week.

Guidelines is just getting better all the time, Chris Edwards (Publications & Records) is searching high and low for articles and photos so please help if you can.

Rob Brennan (Access) has reported that access to Ela Elap will soon re-open as the tree problem has resolved itself.

Paul Axton (Standards) advises that more visitor access permits have been issued than in previous years. This has allowed many overseas divers to enjoy our sites.

Lorraine Hardman is also retiring as Records Officer and her replacement will be announced shortly. Thanks to Lorraine for putting up with the late calls and pleadings from members at all hours to fix THEIR problems with membership currency.

My apologies if I infected you with a virus. Although I have Anti-virus software and update it regularly I still copped a load of Magistrate that had duplicated itself and attacked by anti-virus. It sent out an email to everyone that was part of something I deleted a few years ago, very strange and now zapped.

Elections are coming, Richard Price (Business Director) and Paul Axton (Standards Director) are due to step down. Richard I'm sure is willing to stay on but Paul will be going. Give it some thought and if the positions suit you please step forward.

Safe diving and good times.
Warrick McDonald.

MEMBERSHIP RENEWAL

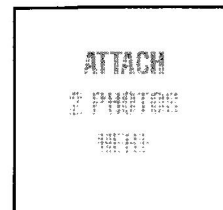
- (1) Please fill out the Membership Application Form on the opposite page.
- (2) Include 2 x Photographs passport quality.
- (3) CDAA number.
- (4) Enclose your cheque for \$70 per year PAID.
- (5) Enclose a stamped self-addressed envelope.



**AFTER AUGUST 31ST ANY UNPAID
RENEWALS WILL INCUR A \$45 LATE FEE**

NITROX ENDORSEMENT

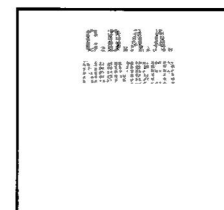
*Anyone wishing to add a Nitrox Endorsement will
need to include a photocopy of their certification
and pay a once only processing fee of \$10.*



CAVE DIVERS ASSOCIATION OF AUSTRALIA

(INCORPORATED IN SOUTH AUSTRALIA)

P.O. BOX 290, NORTH ADELAIDE, S.A. 5006



Membership Application Form

Applicant's Personal Details

Surname: _____

Given Names: _____

Address: _____

Phone: (h) (____) _____ Date of Birth: _____ Sex: _____

(w) (____) _____

In consideration of me being accepted as a members of the Cave Divers Association of Australia Inc., I agree to indemnify the Association and any other officer, employee, instructor, or guide of the Association, or any other person organizing, controlling, or assisting with a function, event, dive, expedition, training, testing, or administrative task or obligation, associated with the Association, from and against all claims, costs, demands and lawsuits that I have or may, have for personal injury or property loss, whenever occurring, against the Association or any of those people, arising out of or in relation to any function, event, dive, expedition, training, testing, or administrative task or obligation, associated with the Association or with the sport of Cave Diving.

I have read and understand the aims and objectives of the CDAA and am in support thereof.
I hereby apply for membership.

Signed: _____

I enclose \$70 being CDAA Membership for 2002/2003 and an additional \$70 for each additional membership year.

☐ I enclose my cheque / money order

☐ Please charge to my credit card ☐ BANKCARD ☐ VISA ☐ MASTERCARD

Credit Card No:

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Expiry Date: _____ Signature: _____



ADDICTS CLUBS W'END IN MOUNT GAMBIER

This Addict Clubs weekend in Mt. Gambier started no differently to any other. In this case we had two car loads of keen divers namely; John Badman, Bob Bridges, Norry Balacco, Colin Jevons, Rob Brennan & Chris Toomer. We all stayed at Jubilee Park in the big unit, Norry being banished to a room on his own to give the rest of us a good night's sleep. The first dive site on Saturday was The Three Sisters Cave being a challenge in more ways than one. It's a 50 to 60 foot drop to the floor from the top so all Addict's climbing gear was utilized. We positioned our vehicles in such a way so that road traffic was not restricted & we could use them as anchor points for the tripod. Bob, who had been in before was lowered first followed by Norry so he could show Norry around the cave. Pity about the snake that Norry nearly stood on, although it looked dead. Then again dead snakes don't move do they? We cleaned up after a very nervous Norry & lowered the dive gear. We made our way across the rocks to the lake & started to assemble the dive gear under the lights we had brought in. With a dive like this you have to bring everything you might need so planning ahead is essential. During kit up you have to be very careful not to stir the silt because any mess made is going to make the start of this dive unnecessarily difficult due to the entrance to the restriction being hard enough to negotiate already without nil vis adding to our tasks. Chris, Norry, Colin & Rob dived first. We found a fixed line already in place so that made things easier. Using side mounts to negotiate the squeeze, it was a good dive of around 20 minutes, very good vis for the front divers & as always a great dive if you haven't been in there before. The cave is all-

open once inside, however there is a lot of black silt on the floor. Expired air adds to the silting also. It's a lot of work for a 20-minute dive but well worth the effort & experience. When the first divers had exited, it was John & Bob's turn to dive whilst the rest of us started to haul our gear to the top. As is the rules we must have a surface person at all times, so two of us climbed the ladder to the top & started the labour intensive job of hauling the gear to the top. Well, in all honesty, it was Norry's winch that did most of the work but we still helped. It took nearly all day to complete the dive & after a shower and mandatory ale or three it was off to Sorrento's for a well earned meal & more ale & wine & scotch & that's all I can remember. Hic.

Sunday took us to Kilsbys for a much easier dive. For most of us we changed from side mounts to back mounts & enjoyed great vis, more open water & relaxed diving. We were joined by other divers and even with nine people in the water there was room for more. Truly a great dive.

The weather in Mt. Gambier was kind to us which seems to be the norm lately, however the water levels in some caves have dropped alarmingly. Englebrechts West is currently 2 to 3 meters lower than a couple of years ago.

All in all we had an excellent weekend, good dives & great company. That's what diving with a club is all about.

Cheers
Chris Toomer

Activity Coordinator.

IMPORTANT NOTICE PLEASE READ

This a reminder to all members that correct access procedure must be followed at all times if we are to ensure access privileges continue.

In particular members are reminded that ALL divers must sign in at Lady Nelson prior to diving Englebrechts and that non-members and members who are not appropriately certified MUST NOT enter the site. This means that you cannot invite your non-diving friend or partner to enter the cave while you dive! Likewise please remember that you are not permitted to pass on the key to other divers but must sign it back in on completion of your dive.

The Directorate will be conducting spot checks of sites such as Englebrechts in the future and any member found to have breached access protocol will be suspended from that site immediately.

NOTICE FOR INSTRUCTORS

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.

• INSTRUCTOR RENEWALS •

Several instructors have not yet renewed their CDAA ratings. Instructors must lodge their current insurance details and renewal fee or packages will not be issued and certifications rejected.

**INSTRUCTOR RENEWALS WERE DUE ON 31st DECEMBER 2001.
AVOID DELAYS IN PROCESSING YOUR REQUESTS FOR MATERIALS
BY SENDING YOUR RENEWAL ASAP.**

Instructor Renewals
PO Box 290 North Adelaide 2006

Deb Williams
Instructor Materials Officer

Controversy over Inspiration Inquest

The inquest into the death of Inspiration diver Ian Swift, who died after a wreck dive on the Salsette in June 2000 has led to controversy after the coroner warned rebreather divers to take care.

Ex-Royal Navy diver Swift was reported to have suffered an oxygen hit on his rebreather at 45m. The coroner recorded a verdict of accidental death after hearing that Swift had experienced serious problems with his rebreather and allegedly started the fatal dive despite the alarm on the unit continuously sounding. The purpose of the alarm is to warn divers that the unit needs immediate attention, and to indicate that it will not be safe to dive until the fault is rectified.

An examination of the equipment is reported to have revealed that two of the oxygen cells were malfunctioning and had passed their expiry date. This is believed to have led to excessive oxygen being supplied at

depth and would explain the continuous alarm signals. Swift's dive buddy described how he had slumped forward and then suffered a series of convulsions while underwater.

The coroner Michael Johnston is quoted as saying "I am going to record a verdict of accidental death, but I have to say that I think the diving community should look very carefully at any piece of equipment which has a possible one per cent fatality rate."

Nicky Finn, speaking on behalf of the manufacturers AP diving, defended the unit and pointed out that the statistics quoted were incorrect. AP had not been invited to attend the inquest, and there appears to have been no-one present with sufficient expertise to explain the technicalities of closed circuit rebreather diving.

20 May 2002

GUIDELINES DEADLINES

If you would like to contribute to Guidelines in 2002, you should note the following deadlines for submission of materials:

**Deadlines
for publication:**

20th August
for September 2002

20th November
for December 2002

WANTED



ARTICLES FOR GUIDELINES

IF SIGHTED PLEASE SEND IMMEDIATELY,
TOGETHER WITH ANY PICTURES TO:

The Editor, David Bryant
P.O. Box 2198, Rosebud VIC 3939.

REWARD

An even better Guidelines for everyone.

TECH TIP

By Paul Axton

ABOUT VALVES AND STUFF

Working at a Hydrostatic test station gives me the somewhat unique opportunity to see a myriad of scuba cylinders and valves, and all the combinations of the two.

There has been a recent and somewhat disturbing trend to fit cylinders, designed to operate at 232 Bar, with valves designed to operate at 300 Bar. So what you say? 300 Bar valves will be much safer!

Australian standards require all scuba cylinders to be fitted with a burst disc assembly to reduce the hazard of catastrophic depressurization (exploding). A cylinder designed to operate at 232 Bar has a test pressure of 348 Bar (roughly 5/3 the working pressure) and is required to be fitted with a burst disc assembly not exceeding 360 Bar. So what does this have to do with 300 Bar valves? 300 Bar valves are supplied from the manufacturer fitted with a 550 Bar burst disc assembly. 550 Bar is roughly 140% above the working pressure of the cylinder, it is also roughly 60% above the cylinders test pressure.

A 232 Bar cylinder fitted with a 300 Bar valve that has a 550 Bar burst disc assembly now has the potential to rupture before the burst disc assembly with disastrous results.

Determining the burst pressure of a burst disc assembly can be a science in itself, not only is the thickness of the disc critical but the diameter and condition of the orifice in the plug will also decide when the disc will burst. Whenever replacing a burst disc it should be done as a complete assembly that is purchased as a kit. That way you can be sure it will do its job properly. Remember if your not completely sure about it seek expert advice, its not worth compromising your safety or the safety of those around you.

NOTICE RE KILSBYS...

A reminder to all members wishing to dive Kilsbys that **EVERYONE MUST** meet at the corner of the Sisters Road at the appointed time and travel together on to the property. Likewise the rules are that everyone leaves together. Recently because this rule was not met, a gate was left open, allowing stock to intermingle. The Landowner was not impressed! Also please remember that non-divers are not permitted on the property. Please leave your friends and loved ones elsewhere.

CDAА SITE ACCESS

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			
Ewens Ponds	Nil	DEAH P.O. Box 1046 Mt Gambier 5290 (08) 8735 1177	Groups of 6 or more, phone/mail to Dept. for Environment & Heritage (DEAH) Smaller groups, no need. Indemnity form to be completed.
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	Port MacDonnell	Little Blue - permission not required - must carry card.
Allendale	C	Port MacDonnell	Obtain key from Mt. Gambier Tourist Information Centre.
Gouldens	CN	DEAH	General Diving: Divers to contact DEAH and notify of date and site to be dived. Divers must have the correct CDAА diving endorsement for the site and carry current financial CDAА membership card. The diver must have signed an indemnity with DENR before access is permitted. Training: The Instructor is to notify DEAH of the date the sites are needed and to forward signed indemnities from each student and their temporary card number/ membership number.
2 Sisters	CN	P.O. Box 1046	
Fossil	C	Mt Gambier 5290 Ph: (08) 8735 1177	
Ela Elap (Curr. Closed)	S	Mr. Peter Norman	Visit the house before diving.
One Tree	S	Private Bag 67, Mt Gambier 5290	If no one home - no dive!
Swim Through	C	Valerie Earl PO Allendale 5291	Currently CLOSED pending new access arrangements.
Piccaninnie Ponds	S	DEAH P.O. Box 1046, Mt Gambier 5290	Permit holders by phone. Be aware of delicate vegetation. Indemnity form to be completed. Ph: (08) 8735 1177 Faxed copies of cards no longer accepted when booking.
Hells Hole	S	ForestrySA	Contact ForestrySA by mail, phone, fax or email to arrange permit. Collect permit from Regional Office or Carter-Holt Harvey Mill gatehouse, Jubilee Hwy., Mount Gambier.
Pines	P/C	PO Box 162	No diving on total fire ban days. Hells Hole key from Lady Nelson.
Mud Hole	C	Mt Gambier 5290 Ph: (08) 8724 2876 8.00am - 4.30pm weekdays Fax: (03) 8724 2885	Forest Work Bans may be applied by ForestrySA if forest fire danger is expected to reach extreme. Such bans also exclude the public from entering the forest. If in doubt, please check with Karren Laudenbach, although signs are generally erected at diving sites on such days to indicate such bans. Permits required for compressors during fire danger season.
Email: forestrysa@saugov.sa.gov.au			
Kilsby's	S	Landowner leased to S.A. Police	Restricted access conditions apply - refer Guidelines Issue 54. Twin tanks, maximum of 40 metres depth. Write to: Gerret Springer, 30 Lorikeet Street, Mt Gambier SA 5290. Email: rolukage@ozemail.com.au, 4 to 6 weeks prior to wanting to dive. Please enclose stamped self-addressed envelope (Do not contact landowner). Access date now the first weekend of every month. No animals permitted. No mid-week diving.
		No Visitors	
Shaft	S	Generally open one weekend a month L. Claridge P.O. Box 290 North Adelaide 5006 Ph: (03) 5565 8793 A.H.	For access dates contact Linda Claridge. Also, see Special Access Bulletin in Guidelines issue 69. Nitrox as a diving mix is not allowed in the shaft. Deco mixes ATTACHED to a shot line are permissible. Divers applying to dive in the Shaft must have documented experience of a least 5 twin-tank dives. Sept 8/9, Oct 7, Nov 10/11, Dec 1/2. Email: garinda@tpgi.com.au
Ten Eighty	S	Mr. Colin Traeger	Sundays only Mail Booking Form to Colin Traeger 2-6 weeks prior, stating names/qual. of all divers, and time slot. Please include stamped self addressed envelope. Closed October to November for shearing.
Bullock Hole	S	PO Box 1046	
Black Hole	S	Mt Gambier 5290 (08) 8726 6215	

CDAА SITE ACCESS

SITE	LEVEL	OWNER	ACCESS DETAILS
MOUNT GAMBIER - SOUTH AUSTRALIA (continued)			
Max's Hole	C		Currently pending access arrangements with new owner.
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 - East	C	Mt Gambier Council	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 advising which groups they are diving with. NOTE: Special conditions apply during March and April... See notice this issue. Please book public holiday dives with lessee.
- West	P	Lessee Ph: (08) 8723 2299	
Three Sisters	P	Millicent Council	Contact Records Officer. 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.
Idlebiddy (5L250)	P	ForestrySA PO Box 162	5L250 open every Saturday. 5L290 open every weekend. Max. 4 divers per dive per day, 1 dive per day for each site. Only Penetration divers.
Nettle-Bed (5L290)	P	Mt Gambier 5290	Bookings from Forestry Office - key from Lady Nelson. Contact ForestrySA by mail, email or fax to arrange permit. Collect permit from Regional Office or Carter-Holt Harvey Mill gatehouse, Jubilee Hwy., Mt. Gambier. No diving on total fire ban days. Forest Work Bans may be applied by ForestrySA if forest fire danger is expected to reach extreme. Such bans also exclude the public from entering the forest. If in doubt, please check with Forestry Ranger Karren Laudenbach or Forestry Office, although signs are generally erected at diving sites on such days to indicate such bans. Permits required for compressors during fire danger season. Email: forestry.recreation@saugov.sa.gov.au
McKay's Shaft	S		Contact South East representative Phil Argy at Mt. Gambier access and indemnities.
Tank Cave	P	Mr. DY CER	Access Manager: John Vanderleest Email: John.Vanderleest@admiral.com.au
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.
NULLARBOR - WESTERN AUSTRALIA			
Cocklebiddy	C		Apply in writing for permission to dive at least 4 weeks in advance of trip to: District Manager, C.A.L.M., PO Box 234, Esperance, W.A. 6450.
Murra El Elevyn	P/C		Phone: (08) 9071 3733 Fax: (08) 9071 3657
Tommy Grahams	C		
Weebubbie	S/C		Apply to Assistant Project Officer, South East Region Team, Land Administration Services, The Department of Land Administration. Phone (08) 9273 7215 Fax (08) 9273 7414 Email: kym_squires@dola.wa.gov.au
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 arrangements are co-ordinated with an already commissioned research group. Contact Greg Ryan (02) 9743 4157 h, gregr@cs.usyd.edu.au
Rum Jungle Lake	S		Unrestricted access currently exists - Please refer advice in Guidelines No. 68 or check CDAА website.
Burrinjuck	S/C/P		This is a tri rated site. Please see details in issue No. 73. There are no specific access arrangements.

ACTIVE CDAA INSTRUCTORS

Any Instructor wishing material contact - (03) 9562 9264 (Fax) or email: debwilliams@bigpond.com

STANDARDS DIRECTOR:
Paul Axton
Telephone: 0419 346 442
(email) records@teksupport.net.au

INSTRUCTOR	CN	S	C	STATE	PHONE
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NSW & ACT

Nick Jones	•	•		ACT	0408 423 017 m
Peter Grills	•	•	•	NSW	(02) 4950 6262 (8am - 12 midday)
Andrew Robertson	•	•		NSW	(02) 9548 5987 h 0417 664 255 m
Des Walters	•	•	•	NSW	(02) 6041 1405 h (02) 6025 3506 w
Heike Apps	•	•		ACT	(02) 6291 0566 h

SOUTH AUSTRALIA

Max Marriot	•	•	•	SA	(08) 8447 3360 h
Richard Megaw	•	•	•	SA	(08) 8344 1733 h

WESTERN AUSTRALIA

Gary Bush	•	•	•	WA	0402 339 652 m (08) 9367 4701 h
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VICTORIA

Paul Axton	•	•	•	VIC	0419 346 442 m (03) 9782 1671 h
Gary Barclay	•	•	•	VIC	(03) 5565 8793 h
Jane Bowman	•	•		VIC	(03) 9579 2600 w
Stan Bugg	•	•	•	VIC	(03) 9379 8791 h
Linda Claridge	•	•	•	VIC	(03) 5565 8793 h
Brian Cornell	•	•	•	VIC	(059) 85 2514 h
John Dalla - Zuanna	•	•	•	VIC	0407 887 060 m (03) 9484 1216
Chris Edwards	•	•		VIC	0417 116 372 m
Barrie Heard	•	•	•	VIC	(03) 5627 6474 h 0419 401 276 m
Warrick McDonald	•	•	•	VIC	(03) 9579 2600 w
Bob Wealthy	•	•	•	VIC	(03) 5985 8338 h

UP COMING COURSES

CAVERN/SINKHOLE AND CAVE COURSES, PERTH, W.A.

RUNNING PART-TIME EVERY APRIL AND OCTOBER

Please call Gary for further details on

Phone 0402 339 652 or email gary.bush@bigpond.com

CAVERN/SINKHOLE COURSE, MOUNT GAMBIER.

JUNE 8 - 10 (INCLUSIVE) • JULY 15 - 28 • SEPT. 9 - 22

Contact Jane Bowman 03 9579 2600

CAVE COURSE, MOUNT GAMBIER.

JUNE 28 - JULY 1 (INCL.) • JULY 22 - 28 • SEPT. 16 - 22

Contact Warrick McDonald 03 9579 2600, 0408 374 112

or email abocean@dingley.net

SHAFT DATES, 2002

The upcoming dates are...

June 15/16 • July 6/7

July 26, 27/28 • August 24/25

September 7/8 • October 5/6

For information on any Shaft or course dates contact

Linda Claridge on 03 5565 8793 or email garinda@tpgi.com.au

Don't miss out....



OZTEK Technical Diver of the Year Awards

EXPLORATION ADVENTURE EDUCATION OZTEK³ EXHIBITION & CONFERENCE

Australasia's ONLY Dive Show for DIVERS featuring:

Bill Stone – Wakulla II Cave Diving / CIS Lunar Inventor
Mike Hatcher – Wreck & Treasure Hunter "The Tek Sing"
John Bennett – World's Deepest SCUBA Diver
Steffi Schwabe – Blue Holes of the Bahamas
Gary Gentile – The Great Lakes & U-Boat Explorations
Drew Richardson & Karl Shreeves – PADI/D\$AT
Sacha Dench – Freediving Champion
Michael Aw – Digital Photography
Dr Simon Mitchell – Hyperbaric Specialist
and MORE.....

CAVE DIVING

REBREATHERS

WORKSHOPS & UPDATES

WOMEN IN DIVING

DIVE PLANNING

WRECK DIVING

DIGITAL PHOTOGRAPHY

APNEA/FREE DIVING

DECOMPRESSION & PHYSIOLOGY

EQUIPMENT SEMINARS

See the Latest News in Dive Equipment, Tech Destinations & Training!

RETAIL & WHOLESALE EXHIBITORS!

INCLUDING THE AUSTRALASIAN SCUBA DIVER

OZTEK³ UNDERWATER PHOTOGRAPHIC COMPETITION:

Categories for Best Wreck, Cave, Rebreather, Digital & Open/Enhanced Photography!

OZTEK³ Exhibition & Conference

Australian Technology Park, Redfern, Sydney, Australia

14-15 September, 2002

oztek@diveoz.com.au www.diveoz.com.au/oztek

Tickets on Sale at Participating Dive Stores in late June

Supporting Organisations:



Door Prizes including Travel, Equipment & Training!

TANK CAVE

~ DATES FOR 2002 ~

	DATE	SPECIAL WEEKEND
8	June 22 and 23	
9	July 6 and 7	
16	July 20 and 21	
10	Aug. 3, 4, 5	NSW Bank Holiday
**	Aug. 17 and 18	Mapping Weekend
11	Aug. 30 - Sept. 1	
12	Sept. 14 and 15	
13	Sept. 28 and 29	
14	Oct. 5, 6, 7	SA Labour Day
15	Oct. 20 and 21	
16	Nov. 2 to 5	Melbourne Cup weekend
17	Nov. 16 and 17	
18	Dec. 1 and 2	
19	Dec. 15 and 16	
20	Dec. 21 to 24	Christmas

Florida Cave Diving – October 7th – 20th 2002

Join us on this Cave diving package. Fly to Los Angeles and on to Jacksonville via a hub. 14 nights, usually 20 dives. We have done this trip for the last two years and have it all worked out. We stay in Lake City and use an RV to travel around. Fantastic dives such as the Ginnie Springs system, Little River, Peacock, Manatee and Cow.

Approx. \$4,000.00 per diver. For more information call Warrick McDonald or Jane Bowman 03 95792600 or emailabocean@dingley.net

FOR SALE

PEE VALVES – \$65.00

JUMP REELS – \$65.00

Please call (03) 5565 8793 or

Email: garinda@tpgi.com.au

FOR SALE

Nite Rider dual head video light system.

Used only occasionally as a new HID system replaced it.

New value over \$2000.00, quick sale \$400.00

Call Warrick McDonald on 0408 374 112.

DUI Tech Diver crushed neoprene dry suit in perfect condition, kevlar kneepads, thigh pockets, dual zip, hood, pee valve, rock boots, small size, stylishly black for stealth work. New over \$5000.00 sell for \$2000.00.

Call Warrick McDonald on 0408 374 112.

CDAА PRODUCTS ORDER FORM

Please make payable to:
CDAА, P.O. BOX 290
NORTH ADELAIDE, SA 5006

	QTY / COL/SIZE	ITEM	UNIT PRICE	TOTAL
BOOKS		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. A must for all cave divers bookshelves.	\$17.50	
		Cave Diving - A Blueprint for Survival. A book by the world-renowned cave diver, the late <i>Sheck Exley</i> , this is a case study of a number of accidents that have occurred in the USA and how to avoid them.	\$15.00	
		Basic Underwater Cave Surveying. The standard publication for anyone remotely interested in research and survey techniques used in water filled caves.	\$30.00	
		CDAА Occasional Paper No. 2. <i>From National Conference 1981.</i> Includes topics such as Fossil Cave, Belay Techniques and Cocklebiddy 1979.	\$2.00	
		DAN Emergency Handbook. <i>Revised 1995 edition by Lippmann and Bugg.</i> Printed on waterproof paper this essential first aid manual should be part of every cave divers' kit.	\$17.00	
		NSS Cave Diving Manual. The standard reference manual in cave diving covering just about every conceivable topic. New Edition.	\$55.00	
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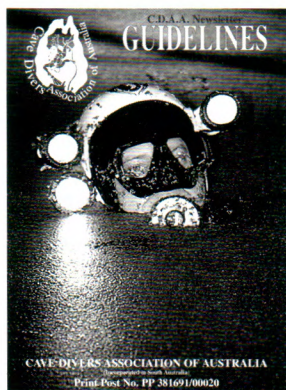
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