



C.D.A.A. Newsletter

No. 93 - SEPTEMBER 2005



SENTINEL

CAVE DIVERS ASSOCIATION OF AUSTRALIA

(Incorporated in South Australia)

Print Post No. PP 381691/00020

PINE TANK DIVE LODGE

DIVERS AIR • GLENCOE, SA



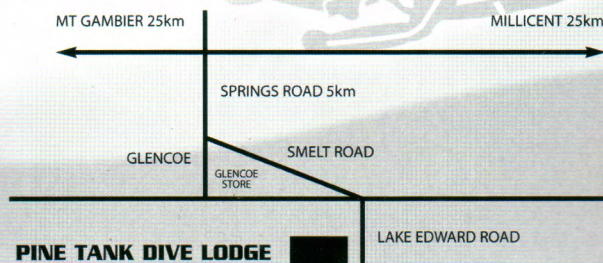
Photo Neil Vincent

GLENCOE
LAKE EDWARD RD
P: 8739 4020
M: 0438 833 103
stay@ptdivelodge.on.net

Pine Tank Dive Lodge has been designed by cave divers to meet the needs of divers. With affordable accommodation and only 5 minutes driving time to the best cave diving sites in the South East of South Australia (Pines, Tank, Iddlebidy, Nettlebed, Fossil, Sisters, Mud Hole, Stinging Nettle Cave), divers can maximise their time in the water. Follow the blue signs.

Three bedrooms accommodate up to 12 divers. Relax between dives in the open plan, self-catering kitchen and spacious living area are ideal for divers or cave diving courses. 300 bar air fills and BBQ facilities are available.

Pine Tank Dive Lodge is close to the Glencoe General Store for all your fuel, bottle shop, post office, EFTPOS and store item needs.



Pine Tank Dive Lodge

Lake Edward Road
Glencoe, South Australia
Phone 8739 4020
Mobile 0438 833 103
Email stay@ptdivelodge.on.net

905 Drysuit

Dive Different. Dive Better. Dive Rite.



With patented seam technology, the 905 Drysuit is simply the most flexible drysuit you will ever wear.

Ultrasonic welded seams means no stitching holes to possibly leak.

Add to this the huge array of standard features, & the 905 wins the value for money race every time.

905 Welded Seam



Typical Sewn Seam



Standard Features Include:

Heavy Duty Latex Seals, Insulated Slim Line Boots, Suspenders, Reinforced Shoulders Knees Elbows & Seat, Arctic Hood Collar, Integrated Zipper Protection Flap, Two Large Thigh Pockets - One Removeable, One Fixed. Full 360 degree Rotating Inflation Valve, Repair Kit, Storage Bag.

See the entire range at your local Dive Rite dealer.

Call for locations & further information.

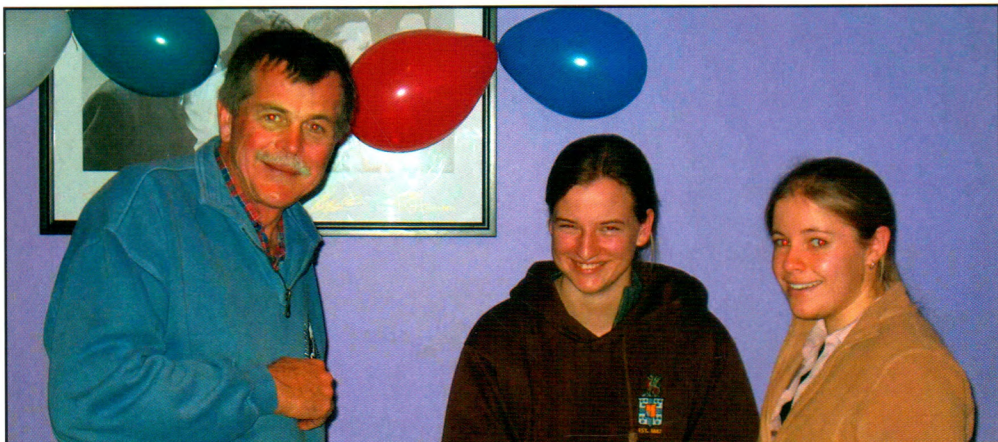
03 9775 0400 info@diverite.com.au

www.diverite.com.au

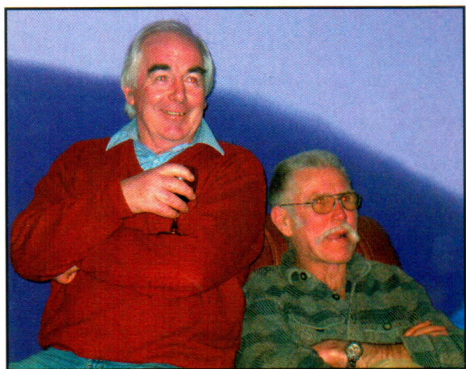


Seen at DAVE WARNES 70TH

Photos by Adrian Richards

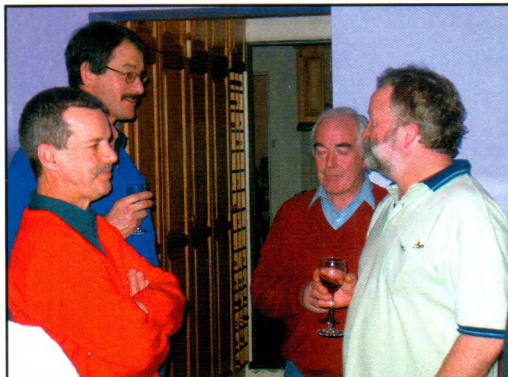


Ken Smith, Peter Rogers daughter and one other that I don't know!!



Dave and Rob Dycer

Warrick and the Dycers



Chris Brown, Warrick, Peter Rogers and Rob Dycer

Dave, Phil Prust and John Vanderleest



EDITOR'S CORNER

Publications and Records Director Report.

Editor's Corner

Thank you to all those members, instructors and landowners for your kind comments on the last issue, it was a beauty thanks to all the contributors and David's hard slog. This is my 8th issue of Guidelines and maybe my last and the time has flown! This edition we are once again lucky to receive so many great contributions. Ken Smith has a description of fun in the wild west, a little bit of French/Dutch style of diving from JP, letters from the Crazy Czecs, and a report from the sidemount workshop. A real EU issue (well I'm half Polish!). Also Adrian Richards has written an article about the antics that went on at Dave Warnes weekend bash along with photos. We also have the yearly reports from all directors as well as an interim report on the financials and of course the ballot papers. I am very happy to announce that we have 3 new advertisers for Guidelines. Welcome back to Alpha diving with their Aussie made tech equipment, welcome to Darren's Blue Lake diving keeping alive the great memories of Phil Argy's business but in a new location and also welcome to Grant and Lynn from Pine Tank Lodge, Glencoe, sure to become a new centre for cave divers offering accommodation from October and soon after air fills. Our garage is almost complete and already dubbed Geoff's shed (sorry Vic joke). New trailer is on the way and so is Tank cave for us. SA and WA teams are killing the Vic teams at the footy. Perhaps we need to have a CDAA interstate footy match some time at Kongorong to even things up!. Thanks to the team of volunteers who have helped get Guidelines to your mail box. Thanks you to everyone for your support over the last 2 years.

Terri Allen, Publications and Records Director, pubdir@cavedivers.com.au

Email: pubdir@cavedivers.com.au



Side Mount Workshop - Adelaide

Following the success of this workshop in Melbourne, it is now Adelaide's turn.

When: Sunday September 18th 12 midday through to 4pm

Where: SA Swim School, Woodville Centre, 98 - 102 Woodville Road, Woodville

Who: Experienced side mount divers who are keen to refine their configuration and technique or simply compare notes with others Why waste a single dive in the Mount messing around with gear, come and do it here.

Budding side mount divers who have had "a bit of a play" but feel that they would benefit from a discussion with others. Divers who know nothing about side mounting but think that it sounds interesting and are keen to give it a go.

There is plenty of outdoor undercover area and the pool is indoor and heated so the weather can do whatever it likes. A BBQ lunch will be provided from 12 until -1pm, we will then hit the water!


If you have any questions call **Adrian Richards** on 0416 095 120 or email arichards@cobweb.com.au
Letting me know that you will be attending will also help make sure that the food doesn't run out!

CONTENTS

Editorial	5
Letters	7-10
Emergency Contact List	12
Business Directors	13
National Director's Report	22
Site Directors Report	30
Publications Report	32
Financial Reports 2004/05	33-36
Courses Update	37
Tank Cave Dates	38
Shaft Dates	38
CDAA Instructors	39/40
CDAA Products	41
Site Access	42/43

Articles this Issue...

Spectacular WA Diving - Ken Smith	16-19
Blue Lake Diving	20
Pine Tank Lodge	27
Hidden Dangers - Richard Harris	28-29



Front cover:

Photo title:
"Englebrecht"

Photographed by
Chris Edwards.

Photographed in
Englebrechts

Composite art design:
David Bryant

CAVE DIVERS ASSOCIATION OF AUSTRALIA

ABN 65 062 259 956

P.O. BOX 290, NORTH ADELAIDE 5006

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.

CONTACT LIST

The following is a list of people that can be contacted for CDAA matters. Please contact the most relevant person or, if unsure write to: C.D.A.A. P.O. Box 290 North Adelaide 5006
Website: www.cavedivers.com.au

NATIONAL DIRECTOR - Warrick McDonald
Mobile: 0408 374 112 email: natdir@cavedivers.com.au

Instructor Advocate - John Vanderleest
email: johnvanderleest@optusnet.com.au

STANDARDS DIRECTOR - George Yarra
Mobile: 0418 847 889 email: standir@cavedivers.com.au

Instructor Records - Tania Yarra
email: tyarra@pennyhill.com.au

Instructor Materials - Heike Apps
PO Box 292 Calwell, ACT 2905
Email: busdir@cavedivers.com.au

BUSINESS DIRECTOR - Heike Apps
Phone: 02 6291 0566 email: busdir@cavedivers.com.au

Treasurer - Tammy Beattie
email: tazytam@dodo.com.au

SITE DIRECTOR - Rob Brennan
Mob: 0414 821 322 email: sitedir@cavedivers.com.au

Trimix Access Officer - TBA
email: trimix@cavedivers.com.au

Kilsbys Access - Craig Larkin.
email: kilsbys@cavedivers.com.au

Tank Cave Access -
Noel Dillon. email: tankcave@cavedivers.com.au

Shaft Access -
Mobile: 0408 052 070. email: shaft@cavedivers.com.au

Manager Research & Mapping - Stuart McGregor.
Phone: 0438 329 942 email: research@cavedivers.com.au
or mishkaz@bigpond.com

PUBLICATIONS & RECORDS DIRECTOR - Terri Allen
Mobile: 0419 176 633 Email: pubdir@cavedivers.com.au
PO Box 7592, Melbourne VIC. 8004

Records Officer - Michael Kelly.
Message bank 03 9513 0469. email: records@cavedivers.com.au

Designer - David Bryant Email: seapics@alphalink.com.au

CDAA Products - Paul Leslie. Phone: 03 9879 2868
Email: products@cavedivers.com.au

REPRESENTATIVES

New South Wales - Andrew Robertson
Ph: 0417 664 255. email: buggs@tig.com.au

South-east - Darren Walters
Phone: 0480 845 511. email: dwalters@seol.net.au

PUBLIC OFFICER - Kevin Burrowes - Phone: 08 8272 6833
321 Goodwood Road, Kings Park S.A. 5034
Fax: 08 8272 8066 E-mail: kburrowes-cpa@senet.com.au

CDAA INSURANCE

Combined Public/Products Liability policy limit \$10,000,000.00
Insurer: Sportscover Australia Pty Ltd
Policy #: PMEL990042341. Expiry date: 11 July 2006

An important Note from the Business Director.

I feel it is my job to give members some information on the implications of some of the proposed constitution amendments.

It is proposed to place limitations on expenditure that may be approved by the Directorate.

CDAA regularly expends in excess of the proposed amounts every year, on items of core expenditure required for CDAA to operate as it does, to support the Association and its membership. These items include insurance, site leases, production and distribution of Guidelines etc, as listed in the financial statements.

One proposal specifies that any amount over \$20000 must be approved by members via a postal ballot. What this effectively means is that every year in July, a postal ballot will need to be carried out to authorise payment of insurance. Note that at the beginning of the financial year - already half of the total cumulative total mentioned in a proposal has already been spent.

This proposal may adversely impact the ability of the Directorate to manage the Association's day-to-day business - the very role the membership entrusts to the Directorate on its behalf. Whilst not in any way attempting to undermine the intent of this proposal, as Business Director I suggest a workable option may be to classify expenditure into two categories, "Ordinary" and "Extraordinary".

Ordinary expenditures would be those items considered necessary for the day-to-day operation of the Association, with the Directorate to continue to approve these as required. Extraordinary expenditures would be those items not necessary for the day-to-day operation of the Association, and represent one-off or significant purchases, for which the Membership be consulted as proposed. If members wish to have this option - a new amendment needs to be written. It is also proposed that the CDAA Financial Accounts be made available to members within 14 days of request

The Audited Financial statements are made available to the membership annually through publication in Guidelines, with this audit fulfilling statutory requirements under SA Legislation. What is proposed in this amendment goes beyond this, to require statements be prepared on request, at any time throughout the year, and within a specified timeframe. Our treasurer receives a nominal amount for her work. If members wish to have this form of access - the position would probably be outsourced to an accounting firm. The cost of this is unknown but likely to be expensive. There are several other proposals which would sit well in the regulations - not the constitution. As mentioned in my report - please consider the proposed changes carefully before voting.

The Big Birthday Bash

by Adrian Richards

The word was out!! Dave Warnes, the illustrious CDAA 0001, was soon to have a birthday and a landmark one at that....the big 70. Co-incidentally (or maybe not) it was noted that he was booked in for a Tank Cave weekend right on top of the big day. Ken Smith quickly swung the grapevine, or was it the e-vine, into action and a plan soon emerged, lets make sure that this diving weekend was a memorable one for him, more like a party than "just another weekend in the Mount".

Tank cave bookings for that weekend were soon flooding in and it was evident that some rationing was going to be needed. It looked like most people would only be getting one days diving out of the two, but that mattered little, the goodwill was present in large amounts and Noel Dillon masterfully massaged the reservations until everyone was accommodated.

The planning then stepped up another notch, why not have a Saturday evening barbecue? The Dycers stepped up to the plate and their home became the venue and themselves the caterers. It can't be a party without some gifts so Warrick McDonald stepped in and organised a Dive-Rite HID light (nothing but the best for 0001) with both the CDAA and Dave's

mates chipping in.

The weekend arrived and it all went according to plan. Plenty of diving was done, group photos taken, both above and below water with congratulations being offered all round. The party was a great gathering of well-wishers and friends who exchanged stories, reminisced and generally had a good time. In his usual humble manner it was clear that Dave was pretty pleased with the whole event and everyone that was present at some part of the weekend's celebrations felt proud to be a part of Dave's life and his main love within it...cave diving.

Partying and celebrations aside, it was very appropriate that the CDAA as an organisation, and members within it, helped Dave celebrate in this way. His contribution to the sport goes beyond what many may appreciate, as a founding father he contributed at a level and in such a manner that may have simply saved our sport from extinction even before it really started. His explorative efforts have put many dive sites on our maps and still he is out there doing it with the best of us. On his 70th birthday was he having just a leisurely swim around Piccanninie or Ewens ponds....not exactly....try a 2 hour double stage dive to the outer extremities of Tank Cave. Dave Warnes...we salute you.

See pictures on colour pages at back!

LETTERS...

From: David & Petra Funda

Hi Terri and Geoff,

Glad to hear you have dived and liked the CCR! Yeah, it was a thrill, especially in the Mt. Gambier region. Sorry for the delay, but we have had limited access to the web (being abroad) and wanted to write little bit more.

Thanks for the update about fixed lines. We were actually quite curious where they are. Total dive time of 45 min. sounds very good - well done guys - and yes nitrox is definitely of great use there. We rarely used for the dive itself as we were doing so many dives per weekend. In fact 45 min used to be a deco time for us but it was mainly because of exploring, taking photos, and later mapping. Also reeling took some time and there was a restriction in the Dark room which is gone now. Would love to see the place again anyway.

We are glad to hear you enjoyed the dive throughout. And we are very much pleased indeed to read about the sea urchins shells! The most silty part of the dive used to be the connection between Bunyips Tunnel and Bunyips Den. Yep, you're right it could get silty over there. Lots of fun...

During the Christmas/January05 we went on a trip to Nullarbor with Paul Hosie & others. Over 1.5km of new passages!

We dived quite a few different caves. We started in Olwogin, where we did some photographing, videoing, and line replacing and mapping. Surprisingly, we even found some new passages over there, but not too many. Next, we moved to Nurina, which has an enormous potential to continue. We found and mapped and photographed a videoed over 600 m of new passages. As the passages there are quite narrow and flat, there is always a nice surprise to find further continuation - but hard - with small side mounted tanks far in. Then we dived the remote lakes in Mullamullang, just before The Dome. That was superb. Walking 5.5 km in the cave then diving...The walls all around were covered with white, whitish, yellowish and yellow crystals and heligmities. Sometimes there were quite castle-like looking formations popping out from the bottom. One felt like diving on a coral reef expecting a parrot fish to appear from a corner. Also camping underground for three nights was a good fun. The next challenge was Koonalda. Paul got a permit to map the place. We spent a day diving there and two in preparation for it and packing. Then we dived our favorite - Burnabbie. It was great to be back again. Typically on the very last dive with the last air in the tanks (and broken compressor on a trailer) we found approx. 300m of new passage. The "Big Ears Passage". The trip was great, although there was quite a lot of people joining and leaving us during the 4.5 weeks. Moving the camp quite a few times was also contributing to tiredness.

In the middle of April we spent a week in a beautiful cave Grotto il Bue Marino on north-eastern coast of Sardinia. The entrance is from the sea (we had a little Zodiac of a size of rubber duckie), although there is also one dry-land emergency exit. The cave is famous for its huge well decorated passages and chambers, which are of impressive height. The total length of the passages is over 8km (at present). There are two main branches - South and North. The South (first 900m) one is open for tourists, while the North one is left for cavers only (several sumps in the beginning). We slept in one gallery near the main entrance of the North branch. From there we set off for the mapping and diving trips within the North branch. There were two main passages over there - one dry one, which ended after approx. 1km and the diveable one, which continued. The main objective was to locate (using a Pinger) exactly where is the closest point of those two passages and interconnect them by digging. The distance was circa 10 m. The diving started at a point approx. 700m inside the cave, where we abseiled 5m down to get to the water level.

There was a sump of 200 m and after that a lake and snorkelable passages (1.5km) with huge stalactites and showels (5-10m). Some of those were absolutely great as there was a maze from the shoals so it was rather funny to find the right way. Also was funny to duck under those shoals being dressed in a dry suit. Then it continues underwater (app. 1km) branching, and then question marks... On the way back we either dived to the very entrance, to the sea, or jumared up - the hard way. When pingering from the closest point to the dry shortcut we had to drill in 5 bolts and climb a flowstone wall to the ceiling. One day we also snorkeled through the South branch. Great trip, a few kilometers long. All around the place (in both branches) are still remains of Jochen Hasenmayer's strong stainless steel wire. One felt like being touched by cave diving history.

Our biggest news is that we expect a family in November! We look very much forward for this little buddy.

Have great holidays on the Nullarbor, and enjoy the Tank! Looking forward to hearing from you.

Cheers, David & Petra 'The Crazy Czechs'



DIVER INSTRUCTION SERVICES

CDAA Cavern/Sinkhole Courses
CDAA Cave Courses
IANTD Technical/Trimix Courses
IANTD Rebreather Courses
GUE DIR Fundamentals Courses
GUE Tech 1 Courses

Full Range Of Halcyon Diving Equipment

279 Maroondah Hwy
Ringwood Vic 3134
Ph: (03) 9879 2868
www.diverinstructionservices.com.au



FOR HIRE

300M of 300bar synflex
hose. 2 filling whips
and can adapt to fit 2
compressors at once -
ideal for the Nullarbor.
Contact Kelvin Ball
on 03 5384 2259.

LETTERS...

Mr Warrick McDonald, National Director
Cave Divers Association of Australia

Dear Mr McDonald,

RE: ENGELBRECHT CAVE - STORMWATER ENTRY INTO CAVE

Council writes to inform you of its concerns regarding the use of Engelbrecht Cave by cave divers during occasions when stormwater entry may occur under heavy rain events.

Some concerns had been raised with Council previously about the risks associated with stormwater entering the Cave and clouding the water, therefore making it even more dangerous to cave divers who may be diving at that point in time.

Whilst Council has explored a number of options to minimize the entry of clouded stormwater (i.e. restricting flows or the inclusion of additional silt pits), most options have been determined to be extremely difficult and expensive to implement and unfortunately provide little benefit to improving the situation.

Council therefore requests that the Cave Divers Association limit diving to those periods when rain is not imminent in Mount Gambier and that weather forecast information be obtained from the Bureau of Meteorology prior to entry into the Cave.

If this practice is not already part of the cave divers standard procedure for entering Engelbrecht Cave, then Council suggests that it be made part of the entry procedure to this Cave.

Should you have any queries in relation to this matter, please contact the undersigned.

Council appreciates your cooperation in this matter.

From: Stan Bugg

Subject: sidemounts seminar etc.

G, day Terri,

I regret I am unable to come to the sidemounts seminar, as I am working on that weekend.

Congratulations on a very entertaining Guidelines. Plenty of humour, information, intrigue, and entertainment.

One item deserves mention: Warrick, in his president's report, refers to "Stan Bugg's course", when referring to a cavsink-hole course run by Brian Cornell, assisted by Paul Leslie.

My input was minimal when compared to that of the other two. Can a correction be made in next Guidelines, in order to acknowledge that the high standard of instruction was more due to the excellent work done by Brian and Paul, and less a result of my small contribution. Thanks in anticipation.

Regards, Stan Bugg

City of Mount Gambier
24th June 2005

BELLUM HOTEL

CDAA members \$35.00
per room per night.

Ensuite Bathroom for All Rooms

Each room has one Double bed and a Single bunk bed.

Extensive Menu available for lunch and dinner.

Contact Simon or Lisa:-
08 87385269

or email bellumhotel@internode.on.net

And if you don't know where the Bellum Hotel is,
it's that pub on the road to Port McDonnell
just next to the turn off to Little Blue!



INTERNATIONAL MOTEL Mount Gambier

QUALITY
INN

AAA TOURISM ★★ ★★

"The Cave Divers home away from home"

Facilities Include:-

- * Four Star Flag accommodation & hospitality;
- * 60 Modern Motel Units;
- * Under cover access to the Restaurant;
- * Indoor heated Pool/Spa/Sauna;
- * Tennis Court;
- * Austar Multi Channel Television;
- * Secure floodlit off street parking;
- * Late Check In's available;
- * Quiet location, central to diving sites.



SPECIAL ACCOMMODATION RATES AVAILABLE TO CDAA MEMBERS

Single Room: \$60 Twin/Double Room \$70 Extra Person \$10

Accom./Meal Deals - 2 Course meal and one drink deal - \$20
(Soup/Main or Main/Dessert)

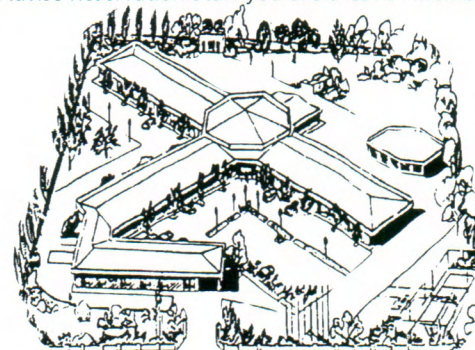
Breakfast \$14 Continental \$18 Full. (\$2 less in June to August)

For these prices, rooms will not be cleaned over the weekend, but towels will be replaced.

Rates will not apply over Easter.

RING TOLL FREE ON 1800 088877 TO MAKE YOUR RESERVATION

(Advise Reservation Staff you are a CDAA member)



OFFICIAL
CDAA
CORPORATE
SPONSOR

MT. GAMBIER INTERNATIONAL MOTEL
MILLICENT ROAD, (P.O. Box 797) MOUNT GAMBIER

TEL: 08 8725-9699 FAX: 08 8725-0843

EMAIL: internationalmotel@bigpond.com

WEB SITE: www.internationalmotel.com.au

DIVING HQ

DUI and Poseidon Dry Suits
Twin Tanks, 100's, 125's & 40 cu ft Stage Bottles
ALL FOR HIRE - TRY BEFORE YOU BUY
(conditions apply)

Cav/Sink Hole and Cave Courses
Dates and Prices on Application
Nitrox Fills

436 High St East Prahran 3181 Ph: (03) 9510 9081
www.divingheadquarters.com.au

AquaSea

Australian made Torches and Lights since 1969

Unit 6, 155 Taren Point Road
TAREN POINT NSW 2229.
Ph: 02.95404774 Fax: 02.95262906
email: info@aquasea.com.au
www.aquasea.com.au



10W HID Torches,
5 hour burn times.



Smart NiMH
Auto Charger with
Computer Control
& 240V/110V.

50W Halogen
MEGA IRC Torches,
60+ min burn times.

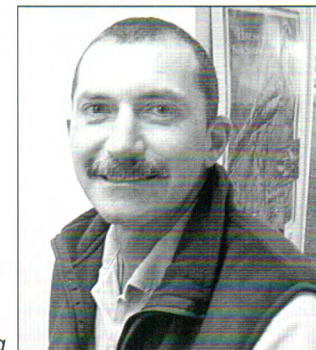


"Smart streamlined torches and batteries, at a price that won't break the bank."

NEW RANGER STAFF

Robert Mengler has joined ForestrySA as Ranger, Green Triangle. He has previously worked for DEH for 7 years at Naracoorte and Belair, and for SA Water as a Lockmaster at Lock 6 in the Riverland.

Robert's interests include scuba diving, camping, bushwalking and rock climbing, and regularly visits places such as Mt Arapiles, an abseiling venue near Horsham. His favourite camping spot is the Ottway Ranges. Robert commenced his government career with ETSA in Mount Gambier back in the 1980s, and ironically is now located two doors away from his old office, which now the Gambier District office!



BUSINESS DIRECTOR'S REPORT

Business is going along smoothly at present with this issue of Guidelines presenting a preliminary financial report. As you can see, insurance is still the biggest expense. The bulk of the monies are kept in a Common Fund, which attracts a higher interest rate. I would like to thank our treasurer Tammy Beattie for all her hard work in putting the financial report together.

Remember to come along to the AGM in Mt Gambier which will be held on Saturday October 29, 2005 at The International Motel. It would be great to see a few more people attend this event. If you have any ideas on how to improve attendance we are happy to listen to suggestions. If you are interested in a sidemount workshop before the AGM, let me know, and if there are enough numbers, I will try to organise one.

There are several proposals for amendments to the constitution. Please consider these carefully before ticking the box. Some of the proposals contradict each other, so if we have a yes majority to both we are left with a dilemma. Some proposals affect the running of the business side of the CDAA, so check out the financial statement, ask questions and make an informed decision. If you are unsure on how the proposals will affect you or the CDAA please contact a member of the directorate, or discuss via the CDAA mailing list.

Note that I am seeking advice [for associations and corporations] on the issue of eligible voters in terms of constitutional changes. So far, the advice points to the fact that eligible means the entire membership, not the voting membership, therefore your vote counts. If you feel strongly about a proposal please vote on it.



Regards, Heike Apps. Business Director

AAAT 3½ Star



AVALON MOTEL

"The quiet motel off the highway"

LOCATED IN THE CITY CENTRE

www.avalonmotel.com.au

- Very quiet and central location
- Free Austar Channels
- Walk to shops, cinema, restaurants
- 21 Ground Floor Units
- Family Rooms
- 4 Bedroom Apartment (sleeps 8)
- Indoor Solar Heated Swimming Pool
- Enclosed Free Guest BBQ
- Guest Laundry
- Interconnecting Room
- Fully Refurbished
- Microwave Ovens
- Ironing board and Iron
- Hairdryers
- Toasters
- Tea & Coffee facilities
- Air conditioning & heating
- Fully refurbished
- Non smoking rooms available
- Internet Kiosk
- **CDAА Members Discount**

Hosts: Jim & Sue

Phone: (08) 8725 7200

Fax: (08) 8725 9491

Email: avalonmotel@bigpond.com.au
92 Gray Street, Mount Gambier 5290

EMERGENCY CONTACT LIST

National Director:

Warrick McDonald

237 East Boundary Rd. East Bentleigh, 3165
03 9579 2600 [w], 0408 374 112 [h],
CDAА Penetration Diver
CDAА Penetration Instructor,
Oxygen provider, PADI Course Director

Business Director: Heike Apps

47 Deamer Cres, Richardson, ACT, 2905
02 6291 0566 [h] 02 6249 9170 [w],
0407 230 108 [mob]
Penetration Diver, CDAА Cave Instructor,
Oxygen provider, SSI DCSI

Standards Director: George Yarra

10 Blinkbrae Ave, Happy Valley, 5159
0418 847 889 [mob]
CDAА Penetration Diver
CDAА Cave instructor, Oxygen provider

Regional Representative SA:

Darren Walters

P.O.Box 9286, Mount Gambier West, 5291
08 8725 8777 [w], 0480 845 511 [mob]
CDAА Penetration Diver

Regional Representative NSW:

Andrew Robertson

9 Nambour Pl, Engadine, NSW, 2233
02 9548 59 87 [h] 02 9643 8000 [w]
0417 747 632 [mob]
CDAА Penetration Diver

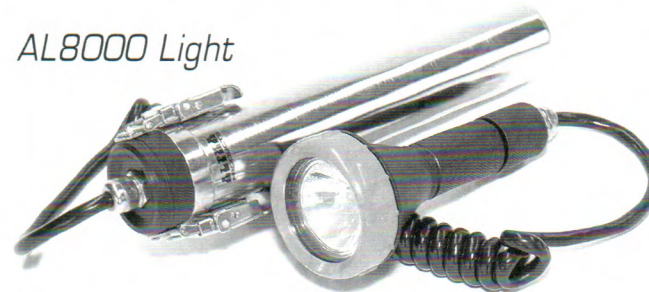
Manager - Mapping & Research:

Stuart McGregor

20 Rata Place Sutherland NSW
(02) 9544 8041 [h] 0438 329 942 [mob]
CDAА Penetration Diver

ALPHA PRODUCTS

AL8000 Light



Bands



AL3000 H.I.D.



Manifolds



Reels



AUSTRALIAN MADE!

Ph: 03 9555 5000

Email: info@alphadiving.com • www.alphadiving.com

Spectacular Diving in Western Australia

By Ken Smith

In June 2005 I spent 3 weeks in Western Australia on probably the most exciting cave diving trip of my life. My companions were Paul Boler from Sydney and Paul Hosie from Perth. Paul Boler and I flew to Perth on June 4th and we were met by Paul Hosie at the airport. We spent most of that evening packing gear into Paul's car and enormous trailer. Next day we left Perth on an epic drive which took us to the Ningbing ranges north of Kununurra. This was a very long drive, about 3500km from Perth. After this I don't think I will ever complain about driving to the Nullarbor again!

Bundera Sinkhole near Exmouth

Our first stop was Bundera sinkhole near Exmouth (ref 1.) Already we were into the tropics and we had left the cold weather of Perth behind. We had been asked to do some mapping of this sinkhole by Bill Humphries of the WA museum. He needed some accurate reference points on the surface, and the Pingers (ref 2.) seemed to be ideal for the job. I had modified the three pingers to operate on

three different frequencies, which allowed signals from the pingers to be separated by a selector switch on the receiver. This allowed the Pingers to be placed close together without the signals interfering.

The two Pauls did the diving using their Inspiration rebreathers, whilst I did the pinger location work on the surface. Bundera has unique underwater Fauna and unusual stratification caused by temperature and salinity. To avoid excessive mixing and possible damage to the fauna, only rebreather diving is permitted here. I actually didn't mind this as some unusual chemistry was taking place and the hydrogen sulphide levels were extraordinarily high. The smell was overwhelming and the divers complained of feeling unwell as well as having their gear blackened and corroded by the water. The mapping took several days. We finished on Friday 10th of June and after a hasty meal from a can of cold "Big Eat" we were on the road by 9PM.

KN19 in the Ningbing Ranges

The two hours sleep we had on the forecourt of the petrol

station at Fitzroy Crossing was probably the lowest point of the trip for me. However, after a very long drive we finally arrived in Kununurra on the afternoon of Saturday 12th of June. We were welcomed by a very dedicated group of Kununurra based cavers. John Cugley kindly put on a barbecue for us all and turned over his house to us for accommodation and storing of large amounts of gear. Next day, feeling much refreshed, we headed north to the Ningbing ranges and the cave known as KN19.

The entrance to KN19 is a hole in a limestone wall. Above the wall the terrain is a rugged mixture of clints, grikes and limestone pavements, decorated by fairly dense bush and large boab trees. Below the hole is a dry stream bed indicating that a lot of water emerges from the hole in the wet season.

Dave Woods, a noted local fisherman, caver and fauna expert, had come with us and his first job was to assess the bat population of the cave. If significant numbers of bats were present we would have to enter the cave only after dark when the bats were out feeding. We grabbed our first load of dive gear and entered the cave. The first 50 metres or so is a reasonably tight crawl way. The limestone is ragged and sharp so any accidentally contact seems to draw blood. Knee pads are absolutely essential. In addition the passage is home to several 1.5m long banded cat snakes. These feed on bats and it is quite common to see one hanging from the roof as you attempt to crawl along the passage. The cave gets larger further in and it is just possible to walk by stooping over. The heat and humidity increases too, and by the time we had covered the 150 metres to the water it was 30 celsius and 85% humidity. I was relieved to find that there were very few bats which meant that we could enter the cave during the day, and rest at night. After several sweaty trips we had our gear by the waters edge and were ready for the next days diving.

Next day the full heat of the cave hit us as we were preparing our gear by the waters edge. The sweat poured off us in a continuous stream and we were completely wet before we got into the water. The day's objective was to move all the gear into the cave and assemble it at the top of the crystal waterfall in preparation for the push dives the following day. We had climbing gear, two rebreathers, a large collection of cylinders and video equipment. We each took as much as we could and began the 160 metre swim through several large chamber and two significant restrictions. The last restriction is the tightest and after the first dive the visibility was always zero in this section. We surfaced at the base of the crystal waterfall and my first sensation was of stifling suffocating heat. I thought that the CO2 was very high but after a few days I came to the conclusion that it was just the high temperature and humidity that produced this feeling.

Paul Hosie was the first to tackle the 5 metre climb up the edge of the crystal waterfall. He set up the tape ladder which made the climb easier for Paul Boler and I. With one person below and two above we steadily hauled the equipment up the waterfall. Once this task was completed we geared up and dived back out to fetch the next load of equipment. Fortunately we managed to bring all the remaining equipment in on the second trip. The last job was to set it all up for the next day's diving.

One of the remarkable features of KN19 is that most of the diving is in a perched water table which is 5 metres higher than the water in the entrance passage. There is no connection between these two bodies of water. Water can only flow from one to the other by cascading over the crystal waterfall. What is even more amazing is that the passage above the waterfall has been pushed by Paul Hosie on a previous trip to a distance of 600 metres at depths of up to 30 metres. Today Paul Hosie and were to do the first push dive. I was diving with 12 litre sidemounts of nitrox and carrying a stage bottle, pinger and exploration reel. Paul followed me with his rebreather, a stage bottle and his video camera. I was to swim to end of the line, drop the unused stage and proceed into virgin passage. This was very exciting for me! I was going to push virgin passage and my buddy was there to film me doing it!

The dive went well. One of the first tasks I had was to remove some rock from the first restriction at 18m depth. This was successful and Paul was able to pass through with his rebreather. The dive continued with good visibility and we swam on through a series of large chambers partially filled with sand and small tunnels which been scoured clean by fast flowing water in the wet season. After 45 minutes I had used a third of my air and had not reached the end of the fixed line. With some regret I realised I would have to turn and I would not lay any line today. Paul was able to continue with his rebreather and he later told me that I had turned 10 metres before the end of the fixed line. The cave did continue and Paul was able to lay another 50 metres of line.

The next day saw Paul Boler lay some more line beyond the end of Paul Hosie's line however the cave became much tighter and there did not appear to be an obvious way on. He also noticed that the visibility throughout the entire cave was very poor. Later that day Paul Hosie dived and confirmed that the cave did not appear to continue. He also found very poor visibility through most of the cave. On his way out he was shocked to find that he couldn't to pass though the restriction in the deepest part of the cave at 30 metres. Visibility was zero, the line was buried and the sand floor sloped up to meet the roof. The poor visibility seen earlier could now be explained, the sand dunes were unstable and had begun to move and



Kija Blue sinkhole from the air.

Paul was trapped! With amazing presence of mind he was able to remove his gear and dig his way through, finally pulling all the gear through the hole behind him. He had even managed to save my pinger.

A Mystery Sinkhole in the Kimberleys

The Kununurra cavers had heard rumours of a large water filled sinkhole in the Kimberley ranges. It had been visited by helicopter some years earlier and had reportedly been dived to 30 metres. We had only a rough indication of where it was, but it was meant to be visible from the air. On Sunday 19th of September seven of us set off from Kununurra in a light aircraft with the intention of finding this hole. We set up a search pattern in the most likely area and carefully scanned the ground as the plane followed the pattern. After 40 minutes hour of searching we were beginning to lose hope when suddenly a spectacular hole came into view. It had an overhang on one side and sheer vertical rock faces on the other. We could not be sure, but we thought we could see water under the overhang.

Early next day Paul Boler and I were heading out towards the hole in a helicopter with diving equipment, camping gear and food for three days. We were dropped of about 500 metres from the hole and the helicopter immediately left to collect Paul Hosie, the compressor, and the remain-

ing equipment. We walked to the hole and were very relieved to find that we could see blue water under the overhang. It actually turned out to be a lake which followed the wall for 100 metres and was about 20 metres wide.

Paul Hosie and I did the first dive. I was laying line around the wall at the back of the lake under the glare of Pauls video lights. I was sure I could feel the heat of the lights. I was sure I could feel the heat of the lights as I layed line. I was not having a good dive. The depth was about 25 metres and I was having trouble doing the tie offs and I was getting caught on the line. Typical of what happens when someone has a camera on you! I was behind some rocks but I could still see the blue light from the distant surface. I was expecting that I would continue around the lake in this fashion and that the 30 metre reported depth was just an exaggeration. Then suddenly the bottom disappeared! I descended into the void with the exploration reel spinning in my outstretched hand. It was getting deeper, and it was getting bigger! As I went past 40 metres I could hear Paul whooping and yelling into his mouthpiece. However, since I can't speak rebreather I didn't know what he was saying. I was wondering how deep I should go? All I could see below me and in front was inky blueness. Finally at 49m I found a tie off point on top of a huge rock and I turned back leaving the exploration reel behind.

There was no bottom in sight.

Next day Paul Boler dived. Being the thorough person that he is, he chose not to dive into the abyss. He spent his time checking out floor holes in a smaller lake which is further around the wall from the main lake. When he returned he said he had dropped down a tight vertical slot between two large flat rocks and followed a passage down to 35 metres. He said it seemed to continue through a hole to the right of the line.

I dropped feet first through the slot that Paul described. It was easy enough with side mounts and when my fins touched the rockpile at the bottom I could easily fall forward into the passage to follow Paul's line. I picked up the exploration reel at 35 metres and continued through the hole. Once again the cave was going deeper and getting bigger! The reel was spinning and I seemed to be descending at a great rate. At 54m I put on the brakes, that was deep enough for today. I locked off the reel and laid it over a rock on my left. I couldn't see anything on my right at all.

My next dive that day was a shallow dive, to take some pictures of the beautiful aquatic plants that grow a metre or two below the surface. It was as beautiful as Ewens Ponds and warm as well (26 celsius). There was interesting algae growing on the rocks where the sun shone. Some was bright green and some bright red, but the two colours seemed to grow separately.

On the last day I went back down the slot to try and push the cave a bit further. Paul planned to follow me with his rebreather and video camera. I headed swiftly down to collect the reel at 54m and continued to descend. It was

obvious now that there was a huge void on my right hand side. I could see nothing ahead so I followed the rocks on my left. At about 58m the rocks on the left disappeared and I was heading into the void. With 60m approaching I felt I had gone far enough. I turned left and found a tie of rock at 59.6m. I was carefully tying off when I felt a firm nudge and saw Paul giving me the OK signal. Clearly he had got through the restriction and was checking on my condition. I gave him a clear OK signal and began the job of surveying the line back out of the cave. Meanwhile Paul was able to determine that we had entered a huge chamber with a bottom in excess of 60m depth.

Paul Boler did the final deep dive of the trip and was able to extend the first exploration line in the main lake down to more than 60 metres depth.

We were overwhelmed with what we had discovered. The cave had been pushed to 60 metres in two different directions and it was still large and going. There was also a lot of cave at shallower depth that we had not had time to explore. The cave is a very beautiful place with a lake full of warm crystal clear water with beautiful aquatic plants. To top it off the cave is located in a spectacular remote part of the Kimberley ranges. As we flew back in the helicopter we were already planning how we could return. Since our trip the cave has been named Kija Blue Sinkhole

References

1. Bill Humphries, "Bundera Sinkhole", Guidelines June 2000.
2. Ken Smith, "A Simple Underwater Radiolocation System", Guidelines January 2002.

Scubaroo Diving Supply



**Backplates • Wings • BCDs • Lighting
Liftbags • SMBs • Spools • Hoses
Manifolds • DIN Plugs • Boltsnaps • Bags
Oxygen & Helium Analysers • Sensus Pro
HS Explorer Computers • and more...**

www.scubaroo.com.au

Ph 0423 162 849



Paul Hosie diving in the main lake at Kija Blue.

BLUE LAKE DIVING

About six months ago, on one of the many evening tank drops to Phil Argy of Blink Bonney Lodge, the usual discussion of life arose. I think everyone has had such conversation with Phil, the sort of discussion that you have while he fills a tank that you intend to breathe off tomorrow to support your life at about thirty metres! Phil imparted that he was to go to Western Australia to train to be a general Practitioner. What a life Change! I had just sold my Refrigeration Business of ten years and was in limbo as to what to do next. Thus purchasing of the dive shop "Blue Lake Diving" was decided.

I live on a property of ten acres, four kilometres in the direction of Barnoolut from Blink Bonney Lodge on Capiroco Road. The dive shop is "down the back shed" and I have constructed and fenced a road across the paddock from the entrance off Capiroco Road, complete with turning circle to accommodate those trailers that every cave diver seems to acquire.

I have the same four stage Bauer compressor and bank system, allowing for air storage and greater filling capacity. There are seven fill lines, four of which are oxygen clean and are also used for nitrox mixing. The fill room is constructed of stone so that all filling/mixing occurs behind a stonewall, while the dive shop itself is constructed of cool room panelling...well I was a Refrigeration Tradesman for twelve years! This room also has the nitrox and air fill panels and I still have some rudimentary dive gear for sale in the same glass cabinet that everyone has leaned on a Phil's!

I am a signatory of Gas Cylinder Test Station No: 565, have been audited, and have the hydro test station set up in the rear of the shed so that I may test cylinders and nitrox clean them.

Southern Diving Centre

- SSI Training Facility for all your Training needs from Open Water Instructor and Wreck to Tech.
- Large range of new & secondhand equipment
 - Air & Nitrox fills
- Full equipment servicing inc Oxygen cleaning
 - Local/Interstate & overseas trips
- Boat charter & organized shore dives

Just call in or give us a call for very competitive prices and the best and friendliest service Thursday to Monday 9am to 5pm (closed Tues & Wed)

1 Roy Tce Christies Beach SA 5165
Tel (08) 8382 1322 Fax (08) 8382 1509
Email soudiv@ozemail.com.au
www.southerndiving.com

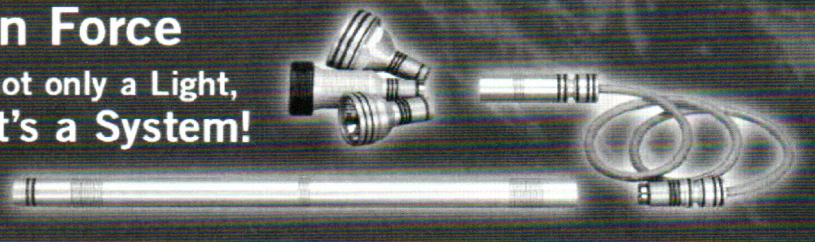


Signage is going up as I type this and slowly things are falling into place.

Being a cave diver, I see the need for a dive shop in Mount Gambier to differ from those in the city. That is why I offer "drop off before 9pm, guaranteed fill by 7am next morning!" So if you drop your tanks off in the evening, before going out to the evening meal, or are looking for Nitrox for an extended dive in Tank, there is somewhere in town to have your tanks filled for the next day! Hoping to see you soon,
Darren Walters
Director
(Chief bottle filler)
Blue Lake Diving

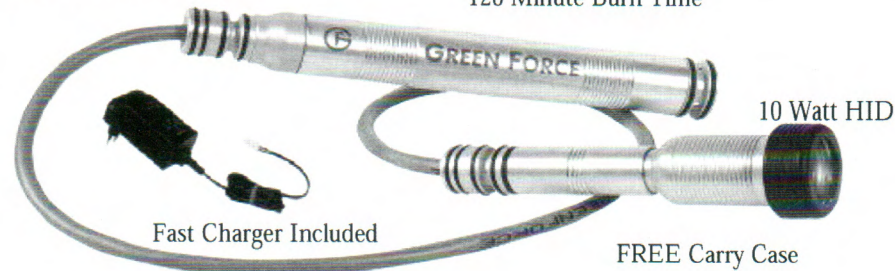
Green Force

It's not only a Light,
it's a System!



Tank Connector Included

120 Minute Burn Time



10 Watt HID

Fast Charger Included

FREE Carry Case

Green-Force Lighting is here and as an introductory special to the cave and technical divers DiveTek is offering the Green-Force Arrow 12AA HID 50 with fast charger for the amazing price of;

\$1399.00

You will not get better quality than Green-Force

Contact Daryl at DiveTek for orders and information on all Green-Force products
07 33424889 or 0401813412

www.divetekoz.com



DIVETEK
TECHNICAL DIVING GAS ANALYSIS EQUIPMENT



NATIONAL DIRECTORS REPORT

September 2005

Looking back over the last year is not as easy as it sounds. So much has gone on that I wonder where to begin. The best way perhaps is to summarise it like this:

Access – Rob Brennan - Daves Secret Cave and Stinging Nettle Cave. Two sites extra for our use. New steps at Pines and the shed about to be built. Fixed lines placed in the "new" Penetration area of Pines. Tables to be installed at Gouldens and a change shed to become a future project. Trimix diving approved for The Shaft and open to qualified divers after an interim training period. Site Information Bulletins updated and placed on web site and in member's manuals. Landowner meetings attended and others visited for input. Tank Cave received improvements to the access road and a new shed is about to be built once the access ladder plan is approved.

Standards – George Yarra - A proposed new Cavern/Sinkhole course was put together by a committee and presented to the Instructors. These changes are long overdue and it has been known for years that our courses have a number of problems. Resistance to change is always strong and an instructors meeting has been called in September to get input. The trimix policy has been written and is currently undergoing refinement. A Trimix Officer and a Rebreather Officer are to be appointed to enable members to apply for access as per the CDAA's policy. This work was achieved through George Yarra and Rob Brennan working closely with Steve Trevarras and the Landowner under duress from other parties.

All Instructors required to furnish proof that they meet Australian Standards and CDAA Standards requirements. New Instructors were appointed and others who didn't meet the requirements for renewal were omitted.

Violations of CDAA Constitution and Regulations featured on a number of occasions and the Director holding this position was responsible for investigating this.

Publications & Records – Terri Allen - All New Site Bulletins placed on web site. New products sourced and advertised. Four issues of Guidelines edited, published and at a remarkably good standard all on time. Advertising not only sourced but paid for. Ordering of products from overseas and locally and the design/idea for new items. New application forms now on line. Access bookings for Forests SA now on line. Membership certification cards processed and sent in record time. Terri works in perhaps the most difficult area and has paid personnel working under her producing Guidelines and the web site. Records are managed voluntarily by Michael Kelly, keeping Records on all members and producing cards etc. a new card system will be in place by the time you read this bringing us into line with the same quality the major training organisations offer. Paul Leslie another volunteer, looks after products and sells them by mail order or from his shop. Co-ordination of these paid personnel and volunteers takes up a lot of the Directors time. Caves Alive 05 and the recent Sidemounting Workshop were both organised by this Director. "Sportsworld" interviewed Terri and Geoff Chambers for a cave-diving special feature.

Business – Heike Apps – Working with the other Directors, most of our Bulletins and Regulations have been brought up to date this year. Payment of accounts have been very quick and working with a paid treasurer (Tammy Beattie) will again see a record year, and a bank balance which would be the envy of any Association. Calling the elections, asking for General Business, Amendments to the Constitution etc come about once a year but must be done as per our rules. The publishing of Regulation changes in Guidelines and on the web are arranged as well. Instructor Materials are also looked after by Heike and the ordering, printing, packaging and posting are her responsibility along with content changes.

National Director – 7 Members had claims made against them and 4 were required to comply with the Directors decisions. The Investigations Officer comes under this Directorate and Glen Harrison was called on to investigate claims against three members. Meetings were held with interested parties such as Landowners on a face to face basis on at least 20 occasions. On going discussions will hopefully see a number of changes in the future to access and Regulations. Interviews with the media such as George Negus, ABC's Mark Fidler, Channels 9 & 7 and Local Mt Gambier news and television stations took place, promoting Cave Diving. At least four face to face meetings were held so that Directors could discuss items and constant email exchanges kept everyone up to date. Correspondence took place on legal issues and access with different parties. New Insurance cover was taken out after our Brokers were able to secure cover for us again. Other policies are now being pursued in an endeavour to further protect our Penetration Instructors and Office Bearers. The Instructor Advocate who works under me has arranged an Instructor meeting in September to discuss issues with new courses. Daily email requests for information or clarity on points of our rules are handled by me as well as divers who wish to learn, these are forwarded to our web site for the Instructor list. Working also as the Tank Cave liaison person for the CDAA sees me constantly on alert to protect the Landowner and the Association. Special access requests are channelled through me to enable everyone to reach their goals. The final role I fulfil is as a representative on Standards Australia committees and attend meetings when required and give input to mailouts asking for opinion. Working with other Directors on as many projects as possible keeps the National Director up to date with everything that goes on. Financial control and prevention of waste has once again proved to be a great advantage to the Association.

Thanks to Jane Bowman my partner for her patience and understanding. As it is election time I do hope that we can get all of our members voting for Directors positions and if there are any Constitution changes. Allowing 20 or 30 people to decide what the members will do in the future is not the way for an Association to succeed. More votes mean a wider balance of opinion.

Regards, Warrick McDonald.
CDAA National Director



GRAND OPENING... JOIN US!

Opening October 1st (long weekend) - Pine Tank Dive Lodge

As CDAA members for 18 years and Mt Gambier locals for 4 years, Lynne and Grant Pearce have built Pine Tank Dive Lodge located in Glencoe, its only five minutes from Tank Cave and Pines, thus the name of the lodge.

300 bar air fills are available at just \$5.00 including free tea and coffee while your resting. Air fill cards are available at the Lady Nelson Tourist Information complex and the Lodge.

The lodge style accommodation sleeps 12 divers easily and consists of three bedrooms, one bunkroom sleeping 6, two bedrooms with

double beds plus extra beds. There are two separate bathrooms, and the open plan lounge and kitchen are perfect for groups. The rate is \$20.00 pp all year round. Special deals for Instructors with dive courses are available.

So if your looking at spending your weekend or a day in the vicinity of the best cave and penetration sites in the Southeast drop in and visit Lynne and Grant at Pine Tank Dive Lodge. To book accommodation call Lynne or Grant on 0438833103 or 87394020. For directions to the Lodge check out the CDAA web page or this issue of Guidelines.

~ Articles for Guidelines ~

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

- Send articles & photos via post, or preferably by email to: Terri Allen, PO Box 7592, Melbourne 8004.
- Email to pubdir@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.

Caving – The Hidden Danger

By Richard Harris # 1360

2 weeks after a trip into a cave in Vanuatu, a friend of mine developed a headache, leg pains and a high fever. A day later he was in hospital semi conscious and his kidneys were shutting down. He became dangerously ill but fortunately over the next few weeks made a good recovery. He had caught Leptospirosis from the infected guano in the cave. This article describes two of the rare but dangerous hidden threats that can lurk in the caves we love to explore.

Two infections have been well described in humans following visits to caves: Leptospirosis and Histoplasmosis. Both are rare so there is no need for panic, but tucking the symptoms away in your memory banks might be useful in case you or a friend become infected.

Leptospirosis (previously Weil's Disease, Canicola Fever, Peapicker's Disease), Caused by a variety (over 200) of serotypes of the organism *Leptospira*, the disease Leptospirosis is thought to be the most common zoonosis (infection from animals) in the world. Most infections do not produce symptoms, but in 5-15% it can be serious or fatal. It is found in all continents except Antarctica, but is especially common in the tropics. The USA reports 50-150 cases per annum. (1)

The organism nests in the kidneys of certain animals (includes livestock and rats). The animal then sheds it in their urine into the soil. The leptospire may then live in the ground for weeks if the temperature, humidity and pH are suitable (it prefers an alkaline environment at > 22 degrees). Over 160 animal species harbour the organism but rodents are the most significant. Humans then acquire the infection through cuts and grazes (especially on the feet), or through the eyes and mouth. It most commonly affects teenagers and adults up to 40 years. The combination of a rodent plague and a flood provides ideal conditions for an epidemic.

Recreational exposure and animal contact at home has now replaced occupational exposure as the

chief source of the disease. (2)

Symptoms start on average 10 days after infection, and occur in 2 phases. In its mildest form it may be like a dose of flu. Phase 1 involves a sudden onset of headache, muscle pains (legs are often very painful to touch), sore throat, chills and high fever. The patient often feels sick and will not eat. Some have cough and chest pain. Patient is often sleepy and wishes to rest quietly. On the 3rd or 4th day, the eyes may look very red (conjunctivitis). After 5-10 days, the patient starts to feel better as the leptospiras leave the blood and the brain.

Phase 2 begins after about 3 days later. The symptoms come back, usually with less fever. They then slowly resolve over the following weeks. If the kidneys and liver are involved (the particularly dangerous form), the term Weil's Disease is sometimes used.

Diagnosis is best made by measuring antibodies to the organism (serology), but also by culturing the *Leptospira* from blood, spinal fluid or urine. Treatment There is good evidence that the antibiotic doxycycline benefits patients with early, mild Leptospirosis. For severe, late disease, intravenous penicillin is used. Doxycycline (e.g. taken to prevent malaria), will protect against Leptospirosis too. Prognosis depends on which serotype of leptospirosis you get and how fit you are beforehand. The mortality remains between 5-15% and is especially high in those over 50 years old, and those who get kidney failure.

Prevention Wear gloves and boots in caves, especially damp caves and those in the tropics. Clean grazes with antiseptic after exiting. Report caving activity to your doctor if you become sick in next 2-3 weeks. Consider doxycycline prophylaxis in high risk areas. Leptospirosis is a notifiable disease so any outbreaks in our caves should soon be widely publicised. Previous infection only protects the individual against reinfection with the same serotype.

Histoplasmosis

Histoplasmosis capsulatum is a fungus which grows in moist surface soil enriched by the droppings of

certain birds and bats (i.e. with high nitrogen content). Its spores can then survive almost indefinitely in even dry dusty soil or guano. Small spores are breathed in all the way to base of the lungs when this dust is disturbed, and there they come back to life in the form of budding fungus and cause a reaction in the lung very similar to tuberculosis. In most people (99%) (2), the infection is mild or even without symptoms but in a few it can be lethal. Cavers disturbing large amounts of spores in the soil have a moderate chance of symptomatic infection.

Occurrence According to Smith (3), Church Cave at Wee Jasper (WJ-31) was the source of multiple infections in the 1970's. Following this, researchers tested the cave and despite wearing respirators, 3 of 8 of the party contracted lung infections. In 1993, one of six cavers entering a Glenrock cave (GR43) developed a clinical infection 16 days after entering. The cave temperature was noted to be high and the guano dry and powdery. The USA can claim the highest incidence of Histoplasmosis but it occurs in many countries.

Symptoms include cough, fever, tiredness and feeling generally unwell, starting 2-3 weeks after entering the cave. In most cases the illness settles without treatment. Rarely patients will develop Chronic Pulmonary Histoplasmosis which persists for months and can cause permanent or even fatal scarring of the lungs and their blood vessels. As with

Leptospirosis, the clinical picture is often determined by the pre-existing fitness of the patient.

Diagnosis is made by clinical assessment and chest X-ray, blood tests for antibodies and testing for the fungus in sputum or lung (or other) tissue.

Treatment of the acute lung infection is usually not required. More chronic or severe infections (e.g. especially in the elderly, immunosuppressed, HIV/AIDS sufferers, smokers with pre-existing lung damage) may require powerful anti-fungal drugs like itraconazole or amphotericin B. (4)

Prevention requires the use of respirators or gas masks in infected caves, and careful washing of yourself and your clothes after caving to avoid inhaling any dust and spores. Be especially careful in caves containing dry dusty guano and high humidity.

References

- 1) Hunter's Tropical Medicine. Seventh Edition 1988. WB Saunders Company.
- 2) Oxford Textbook of Medicine. Fourth Edition 2003. Oxford University Press.
- 3) Smith GK. Are you exposing yourself to Histoplasmosis? Australian Caver 1994 No. 136, p6-8.
- 4) Harrison's Principles of Internal Medicine. Eleventh Edition 1987. McGraw Hill.

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:

HEIKE APPS - INSTRUCTOR MATERIALS OFFICER, PH: 02 6291 0566

PO Box 292, Calwell ACT 2905

Email: heike.apps@ga.gov.au

SITE DIRECTOR'S REPORT

Well, here we are again, the time is flying past. It seems like not that long ago I was writing an annual report, like I am now. The two shows that we were involved in at the beginning of this year were deemed to be a great success – Oztek and Caves Alive. Although CA05 was not particularly well supported, those that attended had a great time with many events and guest speakers, we believe that with better timing this event could be much larger.

We, as the Association, have made some great headway throughout the last twelve months towards gaining Trimix access into the Shaft, overseas divers have helped immensely with their experience and knowledge in mix gas diving and ways to safely conduct dives in this sizable site, with dates to be announced soon.

The new pontoon at Kilsby's has proved a treat, new lines have been laid at Pines, the new access plate with gate for Stinging Nettle Cave and other site improvements have been made, or are in the pipeline for installation (such as shed at Pines and tables at DEAH sites, new landing and stairs into One Tree and Ela Elap, tables at Gouldens, extend existing shed at Tank to provide shelter for the larger groups at this site).

I would also like to thank Craig Larkin as Kilsby's officer, Tony Richardson for the Internet booking systems, the Green Corps and Trevor Wynniat for the work on the steps at Pines allowing easier and safer access. I especially need to thank ALL the volunteers, guides and others who have helped during this last 12

months, as without your help this job would be even more difficult.

Maintaining access to existing sites has taken up a large proportion of my time over the year, with divers still continuing to bend and break access agreements and protocols.

There still seems to be an attitude between some divers who are waiting at sites. Please be considerate towards other divers. With an ever-growing list of active divers we need to be aware of our surroundings, so as not to encourage those in charge to implement a booking system at one of our easiest sites for access.

I would like to announce that Stuart McGregor has been appointed Mapping and Research Officer. All enquiries regarding mapping projects should be forwarded to Stuart or myself. As usual I am looking for more volunteers to assist in mapping and site work. If you believe that you have skills and time that may be of use in the many areas of site access, please feel free to contact me to offer your services. We are always looking for assistants to help.

I would like to take this opportunity to thank you all for your support and assistance over the last few years.

Safe diving- Rob
Rob Brennan, Site Director
National Site Director



'Standards Direction'

There is no report from George this issue
George Yarra, Standards Director



GUIDELINES DEADLINES

If you would like to contribute to Guidelines in 2005, you should note the following deadlines for submission of materials:

Deadlines for publication:

20th Nov. for December 2005 • 20th February for March 2006



AQUA ZERO DIVE CENTRE

aquazero.com.au aquazero@aquazero.com.au

76 Pacific Highway Swansea NSW 2281

Ph. 02 49 720 266 Fax 02 49 720 276

AQUA ZERO



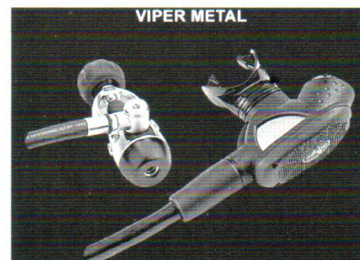
DIVE CENTRE

GREAT TECH GEAR FROM DACOR AND IKELITE, THE PROFESSIONALS CHOICE

Viper Tec Metal Regs

- 170° 1st stage swivel and reversible 2nd stage, perfect for twin tank configurations

\$850.00



Viper Octopus



\$295.00

Titanium Folding Knife

- Great corrosion resistance in a backup knife

\$69.00



Rig Pro BCD

- 75 lb lift, back inflation BCD with Stainless Steel Backplate.
- Integrated Weights
- Including FREE Double Tank Kit worth \$135.00

\$1500.00



PCM Light

- Incredibly Small, yet as bright as your primary light.
- Great backup or helmet light
- 1.5 hour burn time, 7.2 watts

\$65.00



We are also dealers for Manta Reels and Greenforce Torches. Please phone or email us if you have any enquiries.

FREE DELIVERY ANYWHERE IN AUSTRALIA

Publications and Record's Director's Annual report 2005

The association has had a successful year membership wise with 751 members to June 30 2005 with numbers staying steady over the last few years (755, 2004). We had a total of 92 new members and visitors. Visitors membership was helped with Oztek05. The breakdown of member's categories are as follows: Cav/Sink 317, Cave 238, Penetration 194.

Currently there are 770 members as of August 24, 2005 with 628 paid up for next year. The inactive membership has become a popular choice. This has been pushed by both myself and the records officer and has kept members we may have normally lost.

Thanks to Belinda Klein for her work at the end of last year in records. Michael Kelly has taken over this position and has worked tirelessly to get people their cards out in record time as well as get dives up for Tank, look after a young baby, run a business and buy a new house. His sense of humour is fantastic and kept things going in tricky times.

Just this week we have purchased a new colour card printing system. We will have professionally printed credit card style cards with member photo and other details on the back. You asked for it you got it! Thanks to those for pushing for (esp Brett Rapp) and trialing this new system which thankfully has finally come down in price. I hope this will take some load off the RO job and give great new professional cards for members and instructors.

On the products front we have introduced new books Taming of the Slough by Sheck Exley and Hidden Wonders of the Yucatan. Products have continued to sell well thanks to Paul Leslie, a volunteer selling by order form or via his shop in Melbourne. With Stuart McGregor coming on-line to revamp the Mapping and Research officer position look out for loads of new maps and posters.

Guidelines revenue is up. We have recently moved to trying to fit 8 pages of colour in each issue to accommodate ads as well as photos. We have taken on new advertisers dive shops, gear manufacturers and accommodation and this should increase revenue further and completely cover costs of production while maintaining the high quality. This has been assisted by a new price structure brought in last year (Thanks to Tony D for this suggestion) David Bryant is paid by the association to do all the layout of each issue as well as design ads. Thanks to him we have made every deadline and I have enjoyed working with him immensely.

The webmaster position is another paid position in the association this has been performed by Tony Richardson over the last 5 years, Together Tony, Trevor (from Forestry) and I set up and trialed the new Forestry on-line booking system this year and this has been great for all of us getting dives up for Tank. We are also trialing putting more the membership details on-line and perhaps even the renewals. I have also investigated putting in membership forums to move away from the email mailing list. We also have new downloadable maps thanks to John W and Stu McGregor. Thanks Tony.

Finally we had 2 CDAA member days Caves Alive05 in March as well as the recent Melbourne Sidemount Workshop with an Adelaide workshop run by Adrian Richards to come. Sidemount workshop was attended by about 25 members and family and was a fun and learning day. Thanks to Warrick for assisting with organising, BBQ and videography. Geoff and I were also interviewed by the local ABC radio as well as Channel Seven Sportsworld as were a number of CDAA members for a short story aired last week. This included Ken Smith's video footage, Neville's photos and interviews with Peter Norman, Brian Kemp (Englebrecht's cave) Agnes, Dean, Dave and Stu from MUUC.

Terri Allen, BSc, PhD, PADI MSDT, CDAA Cav/Sink Instructor.
CDAA Publication and Records Director

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED END OF FINANCIAL YEAR STATEMENTS

ABN 65 062 259 956

TRADING ACCOUNT FOR YEAR ENDED JUNE 30 2005

	2005	note	2004	2003	2002
SALES:					
CDAA Products	\$3,020.65	1	\$9,505.95	\$4,319.16	\$5,442.90
Instruction Materials	\$7,778.00		\$7,904.64	\$7,080.50	\$5,210.00
LESS COST OF SALES:					
OPENING STOCK:					
CDAA Products	\$6,159.75		\$4,206.62	\$4,472.51	\$7,573.41
Instruction Materials	\$3,211.00		\$1,015.03	\$620.66	\$417.15
Members Manuals	\$4,710.00		\$3,132.27	\$2,411.65	\$2,216.31
ADD PURCHASES:					
CDAA Products	\$1,692.94		\$10,055.86	\$4,132.62	\$2,041.13
Instruction Materials	\$1,341.35		\$4,667.01	\$3,185.49	\$1,686.75
Members Manuals	\$1,279.00		\$2,048.76	\$1,486.49	\$666.07
LESS CLOSING STOCK:					
CDAA Products	\$5,370.39		\$6,159.75	\$4,206.62	\$4,472.51
Instruction Materials	\$2,414.24		\$3,211.00	\$1,015.03	\$620.66
Members Manuals	\$5,614.48		\$4,710.00	\$3,132.27	\$2,411.65
TOTAL COST OF SALES:					
CDAA Products	\$2,482.30		\$8,102.73	\$4,398.51	\$5,142.03
Instruction Materials	\$2,138.11		\$2,471.04	\$2,791.12	\$1,483.24
Members Manuals	\$374.52		\$471.03	\$765.87	\$470.73
GROSS TRADING PROFIT (LOSS):					
CDAA Products	\$538.35		\$1,403.22	(\$79.35)	\$300.87
Instruction Materials	\$5,639.89		\$5,433.60	\$4,289.38	\$3,726.76
Members Manuals	(\$374.52)		(\$471.03)	(\$765.87)	(\$470.73)
LESS POSTAGE:					
CDAA Products	\$85.25		\$110.25	\$505.25	\$715.40
Instruction Materials	\$273.09		-	\$75.75	\$176.13
NET PROFIT (LOSS):					
CDAA Products	\$453.10		\$1,292.97	(\$584.60)	(\$414.53)
Instruction Materials	\$5,366.80		\$5,433.60	\$4,213.63	\$3,550.63
Members Manuals	(\$374.52)		(\$471.03)	(\$765.87)	(\$470.73)

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED - ABN 65 062 259 956
STATEMENT OF INCOME AND EXPENDITURE FOR YEAR ENDED JUNE 30 2005

UNAUDITED	2005	note	2004	2003	2002
INCOME:					
CDAA Products net income	\$453.10		\$1,292.97	(\$584.60)	(\$414.53)
CDAA Instruction Materials net income	\$5,366.80		\$5,433.60	\$4,213.63	\$3,550.63
Membership fees	\$42,743.00		\$44,177.00	\$45,310.00	\$44,065.00
Non Active Memberships	\$1,135.00	2	\$2,100.00	\$540.00	-
Instructor's membership fees	\$1,720.00		\$760.00	\$920.00	\$1,030.00
Late membership fees	\$2,215.00		\$3,280.00	\$3,205.00	\$1,400.00
Joining and rating upgrade fees	\$4,440.00	3	\$3,840.00	\$3,940.00	\$2,520.00
Nitrox endorsement fees	\$560.00		\$340.00	\$480.00	\$400.00
Guidelines advertising income	\$4,050.00		\$2,175.00	\$1,880.00	\$1,823.00
Tank Cave Fees	\$8,140.00		\$8,710.00	\$8,060.00	\$6,440.00
30th Anniversary Dinner receipts	\$165.00		\$2,975.00	-	-
Grants and donations received	-		\$5.00	-	-
Fines	-		\$50.00	-	\$9.00
Visitor Permits	\$293.00		-	-	-
Penetration course receipts	\$9,900.00		\$11,950.00	\$4,550.00	\$7,550.00
Interest income	\$7,522.29		\$6,099.93	\$4,596.30	\$4,350.00
TOTAL INCOME	\$88,703.19		\$93,188.50	\$77,110.33	\$72,723.10
EXPENSES:					
Administrative expenses	-		-	\$57.82	\$60.00
Accounting and audit fees	\$1,875.00		\$650.00	\$550.00	\$350.00
Bank fees	\$449.40		\$517.25	\$269.40	\$129.85
Computer expenses	\$134.72		\$134.72	\$457.34	\$88.00
Credit facility fees	\$642.51		\$1,837.62	\$1,750.84	\$1,205.10
Govt. financial taxes	\$74.60		\$119.50	\$76.30	\$83.13
Gifts & Donations	-		-	-	\$60.00
Depreciation expense	\$540.34		\$871.50	\$1,164.04	\$926.22
Fundraising	\$240.00		-	-	-
CDAA Liability Insurance	\$22,304.29	4	\$22,058.96	\$22,305.61	\$15,251.28
Members Manuals	\$374.52		\$471.03	\$765.87	\$470.73
Postage	\$379.98		\$1,134.66	\$893.05	\$1,733.73
Post Office Box Fees	\$817.58		\$540.85	\$500.00	-
Printing and Stationery	\$441.59		\$128.59	\$651.46	\$224.10
Penetration course disbursements	\$10,700.00	5	\$9,330.29	\$4,200.00	\$7,050.00
Research and Mapping	\$212.10		-	-	-
Site expenses	\$497.78		\$2,560.00	\$319.81	\$1,596.31
Sundry	\$87.62		-	-	-
Tank Cave licence fee	\$8,250.00		\$8,250.00	\$8,250.00	\$8,250.00
Telephones	\$273.29		\$427.19	\$189.37	\$594.15
Web Site expenses	\$2,537.96	6	\$2,734.50	\$1,765.50	\$1,216.00
OzTek expenses	-		\$546.49	\$318.13	-
Guidelines Production	\$15,191.00	7	\$12,855.00	\$11,649.00	\$13,317.00
Guidelines postage	\$2,032.22		\$1,754.06	\$2,522.24	\$2,726.84
Annual general meeting expenses	\$444.23		\$4,089.55	\$1,108.07	\$835.46
Other meeting expenses	\$599.00		-	-	\$146.90
TOTAL EXPENSES	\$69,099.73		\$71,011.76	\$59,763.85	\$56,314.80
NET INCOME	\$19,603.46		\$22,176.74	\$17,346.48	\$16,408.30

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED - ABN 65 062 259 956
BALANCE SHEET AS AT JUNE 30 2005 (unaudited)

DRAFT ONLY	2005	note	2004	2003	2002
ASSETS					
Current Assets					
National Australia Bank cheque account	\$7,720.70		\$20,124.26	\$28,941.62	\$33,894.39
National Australia Bank Common Fund	\$190,011.76	8	\$156,711.76	\$128,312.76	\$93,375.70
Debtors - advertising	-		-	\$1,475.00	\$1,300.00
Debtors - other	-		-	\$2,944.00	-
Prepayments	\$8,250.00	9	-	-	-
CDAA Products stock	\$5,370.39		\$6,159.75	\$4,206.62	\$4,472.51
Instruction Materials stock	\$2,414.24		\$3,211.00	\$1,015.03	\$620.66
Members Manuals stock	\$5,614.48		\$4,710.00	\$3,132.27	\$2,411.65
Total Current Assets	\$219,381.57		\$190,916.77	\$170,027.30	\$136,074.91
Non-Current Assets					
Property, Plant & Equipment	\$7,169.63		\$7,169.63	\$7,169.63	\$7,169.70
less accumulated depreciation	(\$7,169.63)		(\$7,169.63)	(\$7,169.63)	(\$6,974.00)
Office equipment	\$14,427.59		\$14,108.59	\$14,108.59	\$14,108.59
less accumulated depreciation	(\$14,108.59)		(\$13,568.25)	(\$12,696.75)	(\$11,728.41)
Total Non-Current Assets	\$319.00		\$540.34	\$1,411.84	\$2,575.88
TOTAL ASSETS	\$219,700.57		\$191,457.11	\$171,439.14	\$138,650.79
LIABILITIES					
Current Liabilities					
Memberships received one year in advance	\$28,470.00		\$21,670.00	\$19,920.00	\$13,740.00
Instructor fees received one year in advance	-		-	-	-
Overpayments	\$440.00		\$430.00	\$485.00	\$490.00
Creditors	\$1,200.00		-	-	-
Penetration course deposits	\$900.00		\$800.00	\$1,900.00	\$700.00
Accrued expenses	-	10	-	\$4,903.77	\$2,286.90
Tank Cave Fees Received in advance	\$880.00		\$1,000.00	\$400.00	\$300.00
Total Current Liabilities	\$31,890.00		\$23,900.00	\$27,608.77	\$17,516.90
Non-Current Liabilities					
Memberships received two years in advance	\$9,290.00		\$9,080.00	\$6,810.00	\$3,750.00
Memberships received three years in advance	\$1,760.00		\$2,150.00	\$2,430.00	\$790.00
Memberships received four years in advance	\$840.00		\$430.00	\$750.00	\$400.00
Memberships received five years in advance	\$280.00		\$140.00	\$190.00	\$120.00
Memberships received six years in advance	\$140.00		\$70.00	\$70.00	\$50.00
Memberships received seven years in advance	\$140.00		\$70.00	\$70.00	-
Memberships received eight years in advance	\$70.00		\$70.00	\$70.00	-
Memberships received nine years in advance	\$70.00		-	\$70.00	-
Memberships received ten years in advance	\$70.00		-	-	-
Total Non-Current Liabilities	\$12,660.00		\$12,010.00	\$10,460.00	\$5,110.00
Total Liabilities	\$44,550.00		\$35,910.00	\$38,068.77	\$22,626.90
EQUITY					
Members Equity as at 30/6/03	\$155,547.11		\$133,370.37	\$116,023.89	\$100,005.59
adjustment for 2001 error	-	11	-	-	(\$390.00)
add: 2003/04 Net Income	\$19,603.46		\$22,176.74	\$17,346.48	\$16,408.30
CDAA Members Total Equity	\$175,150.57		\$155,547.11	\$133,370.37	\$116,023.89
represented by:					
NET ASSETS	\$175,150.57		\$155,547.11	\$133,370.37	\$116,023.89

Notes to the Financial Statements Year Ending 30th June 2005

CAVE DIVERS ASSOCIATION OF AUSTRALIA INCORPORATED

1. These financial statements are a special purpose financial report prepared for use by the Committee members of the Cave Divers Association of Australia Inc. The Committee has determined that the Cave Divers Association of Australia Inc. is not a reporting entity, with the exception of the reporting requirements of the Associations Incorporations Act 1985, and hence the requirements of Australian Accounting Standards and other mandatory professional reporting requirements (Urgent Issues Group Consensus Views) do not have mandatory applicability to the Cave Divers Association of Australia Inc. .

2. Non active memberships were included in membership fees in 2002.

3. The breakdown for joining and rating upgrades are: joining: - \$2000; sinkhole: - \$2000; cave: - \$440

4. Insurance expense increased from 2002 to 2003 due to the difficulty in securing insurance in the current environment.

5. Penetration course payments are more than receipts due to a payments relating to the 2004 financial year.

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

7. Guidelines production costs are for four issues as is the case for previous years.

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

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

10. Accrued expenses are amounts relating to the financial year that were unpaid as at 30th June. These expenses are reflected in the Income and Expenditure Statement and relate mainly to the June issue of Guidelines. There were no accruals in 2004 or 2005.

11. An adjusting entry was made to the accounts on 1 July 2001 to reduce the retained earnings figure carried forward from the 2001 year. This was to correct an overstatement of 2001 membership fees in the 2001 accounts.

UP COMING COURSES

Cavern / Sinkhole Courses

Saturday Sept 24 - Tuesday September 27 inclusive

Linda Claridge and Gary Barclay - 03 5565 8793 - garinda@tpgi.com.au

8th October 2005 - 17th October 2005 in Queenscliff & Mt Gambier

Instructor: Paul Leslie - 03 9879 2868 - info@diverinstructionservices.com.au

*October 17, 2005 - October 30, 2005 in Melbourne and Mt Gambier
(Cavern/Sinkhole Course)*

Instructor: Jane Bowman - 03 9579 2600 - info@abocan.com.au

Friday November 04 - Monday November 07 inclusive Mt Gambier

Linda Claridge and Gary Barclay - 03 5565 8793 - garinda@tpgi.com.au

*14 November 2005 - 4 December 2005 in Melbourne and Mt Gambier
(Cavern/Sinkhole Course)*

Instructor: Terri Allen - 0419 176633, 03 8532 1453 - terri.allen@baker.edu.au

Cave Courses

November 7, 2005 - November 13, 2005 in Melbourne and Mt Gambier

Instructor: Warrick McDonald - 03 9579 2600 0408 374112 info@abocan.com.au

Saturday November 19 - Monday November 21 inclusive.

Linda Claridge and Gary Barclay - 03 5565 8793 - garinda@tpgi.com.au

CDAA Penetration Courses

Friday October 14th - Sunday October 16th

Saturday October 22nd - Sunday October 23rd

Contact Barrie Heard - CDAA Penetration Course Co-Ordinator

Mobile : 0419 401 276 Email : iantd@dcsi.net.au

Any CDAA members that may be considering participating in the October Penetration Course are reminded to get their applications in as soon as possible. There are only a few spaces available.

Those members who have already sent in an application are currently being contacted by either mail or email. If you have sent an application and haven't received anything in the next week please let me know as soon as possible.

Any further requests for info should be directed to either :

Barrie Heard, Penetration Course Co-ordinator or George Yarra, CDAA Standards Director

TANK CAVE

~ DATES FOR 2005 and 2006 ~

October 1/2/3 (S.A. Labour Day)
October 15/16 (Mapping Weekend)
November 5/6/7/8 (Extend w'end Preference given to non Vic./S.A. divers)
November 19/20
December 3/4
December 17/18
December 31 / January 1 / 2 (New Year's Day)

January 14/15
February 4/5
February 18/19
February 25/26
March 4/5
March 11/12/13 (Vic. Labour Day) (Adelaide Cup)
March 25/26
April 1/2

RE: SHAFT - DID YOU KNOW...

Some divers are fronting up to dive this site without a harness, carabineer or even a sling. Whilst prior arrangements with the guide may allow for this to occur, please be aware that you may be charged for the hire of those items. The guides will happily supply the A-Frame, ropes and pulleys but it is highly recommended that you own your own personal climbing equipment.

SHAFT DATES, 2005

The upcoming dates are...

Sept. 17/18 • Oct. 15/16 • Nov. 5/6 • Dec. 3/4

For information on the Shaft contact Linda Claridge
on 03 5565 8793 or email shaft@cavedivers.com.au

*While you're waiting for you next Issue of
Guidelines, keep up to date with all the latest
on the CDAA website...*

www.cavedivers.com.au

- Course Dates • Photo Gallery
- Access Protocols • Classifieds -FREE to members
- On-line Dive Bookings • Latest News

IF YOU WANT TO KEEP UP WITH THE LATEST NEWS,
REGISTER YOUR EMAIL ADDRESS
ON-LINE! DON'T FORGET THE WEB PAGE...

CDAA INSTRUCTORS

NAME A.C.T.	CONTACT No.s	Cavern	Sinkhole	Cave	Penetr	Email
APPS, HEIKE	BH 02 6249 9170 AH 02 6291 0566	Yes	Yes	Yes		heike.apps@ga.gov.au
N.S.W..						
FEATONBY, TIM	Mob: 0402 129 253	Yes	Yes	No		tim.featonby@defence.gov.au
GRILLS, PETER	Home 02 4950 6262 Mobile 0419 820 920	Yes	Yes	Yes		peter_grills@hotmail.com
ROBERTSON, ANDREW (currently inactive)	Home 02 9548 5987 Work 02 8868 8025 Mobile 0417 664 255	Yes	Yes	No		lscb005@bigpond.net.au
WALTERS, DESMOND	BH 02 6041 1405 AH 02 6025 3506	Yes	Yes	Yes		dive@descend.com.au

SOUTH AUSTRALIA

YARRA, GEORGE	M: 0418 847 889	Yes	Yes	Yes		gumbyg@adam.com.au
MARRIOT, MAX	M: 0428 897 897	Yes	Yes	Yes	Yes	dive69@chariot.com.au

WEST AUSTRALIA

BUSH, GARY	M: 0402 339 652	Yes	Yes	Yes		garybush@bigpond.net.au
------------	-----------------	-----	-----	-----	--	-------------------------

VICTORIA

ALLEN, TERRI	Mob: 0419 176 633	Yes	Yes	No		terri.allen@baker.edu.au
AXTON, PAUL	BH 9782 1671 Mobile 0419 346 442	Yes	Yes	Yes		lozhard@bigpond.com
BARCLAY, GARY	AH 03 5565 8793 Mobile 0407 052 074	Yes	Yes	Yes	Yes	garinda@tpgi.com.au
BOURKE, STEPHEN	Mob: 0405 314 204	Yes	Yes	No		scubasteven@bigpond.com.au
BOWMAN, JANE	BH 03 9579 2600 Mobile 0407 566 455	Yes	Yes	No		info@abocan.com.au

CDAA INSTRUCTORS

NAME	CONTACT No.s	Cavern	Sinkhole	Cave	Penetr.	Email
VICTORIA cont.						
BUGG, STAN	AH 03 9379 8791	Yes	Yes	Yes		sbugg@micronica.com.au
CLARIDGE, LINDA	Mobile 0408 052 070 AH 03 5565 8793	Yes	Yes	Yes	Yes	garinda@tpgi.com.au
CORNELL, BRIAN	Home 03 5985 2514	Yes	Yes	Yes		cornell@alphalink.com.au
DALLA-ZUANNA, JOHN	Home 03 9434 1216 Work 03 9480 1316 Mobile 0407 887 060	Yes	Yes	Yes	Yes	jdz@paintandcustom.com.au
EDWARDS, CHRIS	0417 116 372	Yes	Yes	No		cedwards@teksupport.net.au
HEARD, BARRIE	AH (03) 5627 6474 Mobile 0419 401 276	Yes	Yes	Yes	Yes	iantd@dcsl.net.au
MCDONALD, WARRICK	Work 03 9579 2600 Mobile 0408 374 112	Yes	Yes	Yes	Yes	info@aboccean.com.au
MONACO, RUBENS	BH 03 5984-1799 Mobile: 0413-429-533	Yes	Yes	No		info@idcscuba.com.au
WEALTHY, BOB	Mobile 0417 524 005 Home 03 9786 5905	Yes	Yes	Yes		somerset@iimetro.com.au

TANK CAVE FEES WERE DUE ON AUGUST 1st.

NOTE:

The fee has increased to \$110.00

Regards, Noel Dillon MBL DBA

(03) 9635 9290 BH • 0404 017 381 • Email: Noel.Dillon@macquarie.com

CDAA PRODUCTS ORDER FORM

Please send to:
CDAA, 279 Maroondah Hwy,
Ringwood VIC 3134

QTY / COL/SIZE	ITEM	UNIT PRICE	TOTAL
	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. A must for all cave divers book shelves.	\$25.00	
	Cave Diving - A Blueprint for Survival. A book by the world-renowned cave diver, the late Shek 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 Shek 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	
	CDAA Occasional Paper No. 2. From National Conference 1981. Includes topics such as Fossil Cave, Belay Techniques and Cocklebidy 1979.	\$2.00	
	DAN Emergency Handbook. 1995 Edition by Lippmann and Bugg. Printed on waterproof paper, this essential first aid manual should be part of every cave Divers kit.	\$17.00	
	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	
	Lower South East Cave Reference Peter Horne's illustrated catalogue of the Lower South East Region of South Australia.	\$130.00	
	NSS Cave Diving Manual. The standard reference manual in cave diving covering just about every conceivable topic. New Edition. CURRENTLY UNAVAILABLE	\$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.	\$30.00	
	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	
	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	
	Ladies' Crew Neck - Smaller white t-shirts with shorter sleeves and "female" cut. Royal Blue, CDAA regular logo on the front. Sizes 8,10,12	\$23.00	
	Beanies. Navy only.	\$19.00	
	Caps. Black only.	\$20.00	
	CDAA Key Rings. Blue with gold motif. CDAA P.O. Box on back.	\$5.00	
	CDAA 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 Guidelians 1-91 All Guidelines as searchable pdfs on CD.	\$10.00	

Cardholders Name: _____

Address: _____

Postcode: _____

Card No. _____

Expiry Date: _____ Signature: _____

Ph: () _____ Fax: () _____

Sub Total \$ _____

Plus postage & handling \$6.00

TOTAL \$ _____

☐ Bankcard ☐ Mastercard ☐ Visa

CDAА 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	Weekends Only. Between May & November inclusive. Maximum of 4 divers per day undertaking One Dive per day..
Hells Hole	S	Minimum of 4 divers to be on site at all times..
Pines	C/P	Unrestricted numbers / days
Mud Hole	C	Unrestricted numbers / days.
Nettle Bed	P	Open every weekend. Maximum of 4 divers, 1 dive per day.
Stinging Nettle Cave	P	Weekends only. Maximum of 3 divers per day undertaking 1 dive per day. Sidemounts recommended.
Iddlebidy	P	Open every Saturday Only. Maximum of 4 divers, 1 dive per day. Book on-line.

Owner: Forestry SA PO Box 162 Mount Gambier SA, 5290 Ph (08) 8724 2876. Fax 8724 2885 Email: forestrysa@saugov.sa.gov.au Contact: ForestrySA by email, fax or phone to arrange permit. Collect permits from Carter Holt Harvey Mill Gatehouse, 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. New Access conditions apply, 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 animals, visitors or mid-week diving allowed.
		No Visitors	

CDAА SITE ACCESS

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

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 experience of 20 dives to greater than 30m, 10 of which must be in CDAA sites and 5 on 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 advising which groups they are diving with. NOTE: Special conditions apply during March and April. Please book public holiday dives with lessee.
- East	C	Council	
- 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. DY CER	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, C.A.L.M., PO Box 234, Esperance, W.A. 6450. Phone: (08) 9071 3733 Fax: (08) 9071 3657
Murra El Elevyn	P/C	
Tommy Grahams	C	
Weebubbie	S/C	DPI The Department for Planning and Infrastructure, Midland, Land Asset 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 (Antidine)	C	Affected by high CO ₂ levels during Summer/Autumn. Access is co-ordinated with the Wellington Caves management by Greg Ryan - greg@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.

DIVE AT THE RESSEL, FRANCE.

By JP Bresser (jp@regel1.com)

In the Dordogne area in France you can find a lot of interesting caves. I think that Cave divers from the USA or the Pacific have no idea how nice and exciting the cave diving in France can be. I myself live in the Netherlands and normally need to drive about 1100 kilometers to come to the area. A few weeks ago myself and a team member and good friend Wido decided to drive to France and do some diving in the Ressel to experiment with some cave photography and test a video camera mount on my Gavin Scooter. Also I never visited the deeper part of the Ressel cave so this would be a trip worth while. On Friday morning we loaded Wido's Renault Espace full with all the gear and started driving.

The Ressel is located near the village of Marcilhac. Just follow the Cele river for about 1 km to a point where the Cele is close to the road and park your car. From this point there are two steep paths lead to the riverbank where you can find a nice spot to gear up. In our case this meant dragging down all the gear, scooters, etc down at a temperature of 35c+, cooling of in between and keeping the heartbeat low. We donned our DUI suits at the road near the car and walked down to cool of in the Cele before the dive. At this point all our stages and Scooters were already in the water. We planned a first dive to scooter to the deep part. We carried double 20 liters 17/55 as backgas, a stage with 17/55 and one stage with 50/25.

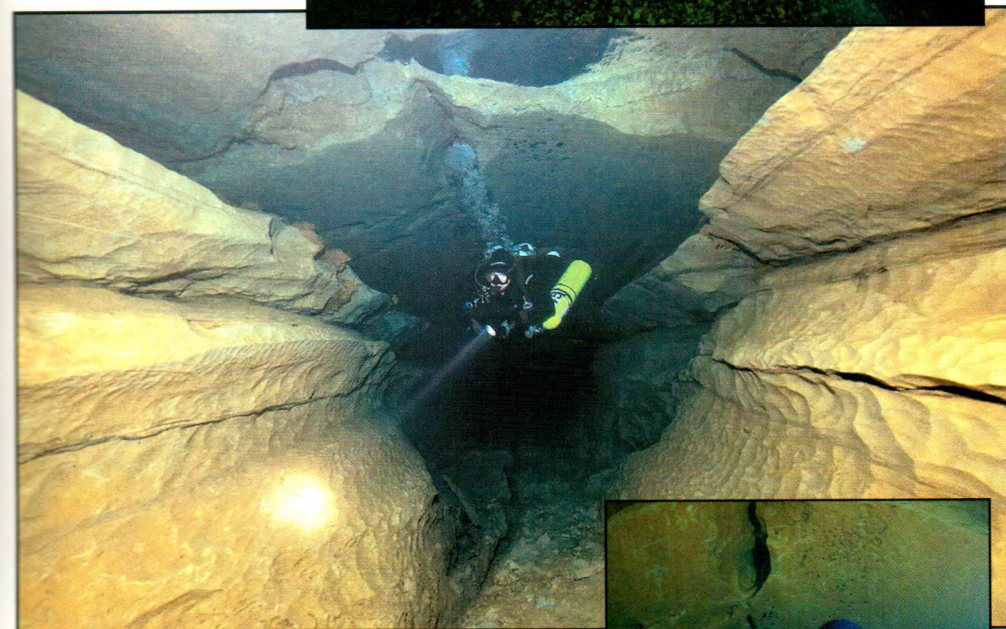
In water we performed all the checks and S-drills, rediscussed the diveplan and scootered a bit up the river to the entrance point of the cave. Normally a line goes from a tree branch in to the cave. The water of the Cele is green and murky but once you passed the large entrance at 6 meters of depth visibility clears up. The first 200 meter of the cave is a nice and large passage with some large blocks. Around 200 m is a T-junction where to the left is a shallow, small route and straight on is the deep route. At this point we clipped our 50/25 stages to the line. We followed the deep route which gradually slopes down with some really nice blocks and fragments. Above is an airbell which we did not enter this time. At about 400 meter a large shaft is reached with on the left a connection to the smaller and shallow route. We followed the shaft down to the deeper part and were amazed by the change of scenery. The walls look much more brittle in this deeper part. On the way back we took the shallow route which is a 3 meter tube that can be followed back. This leads eventually to the T-junction where we left out stages. After retrieving and switching to the stages we spend some time exploring the shallow part and experimenting with the camera mount which worked flawlessly. We spend two more dives at the Ressel, mainly photographing and enjoying the cave.

The Ressel is a nice cave for all levels of cave diving. It offers possibilities for beginners but also challenging dives for the more experienced. Conditions are most of the time excellent and in the villages around are good camping sites and restaurants. Filling can be a problem, best is to bring all your own gas and dive stages.

A selection of fantastic images by the author.

JP Bresser.

JP is an editor for a Dutch magazine, DUIKEN.



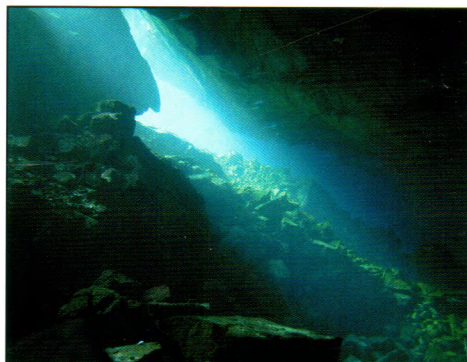
from Ken Smith's WA article.



Top Left:
The small lake at Kija Blue has a beautiful range of aquatic plants. These are quite fragile and easily detached from the bare rocks.



Top Right:
North of Kununurra, the Ningbing ranges offer beautiful scenery as well as a lot of exposed limestone with caving potential.



Right:
The small lake at Kija Blue receives more sunlight than the large lake. At certain times of day the sun's rays penetrate deep into the water.

Below:
Paul Hosie at the main lake in Kija Blue. This Lake is 100 metres long and follows the wall in the undercut section of the cave. In the morning the sun lights up the clear blue water.



NEW OWNER ~ RELOCATION

Phil and Julie Argy of Blink Bonney Lodge have sold 'Blue Lake Diving' to Darren Walters. Blue Lake Diving has been relocated to Darren's Property on Cafpirco Road.



- Air Fills • Scuba Sales
- Scuba Service
- Nitrox Fills • Minor Repairs
- Scuba Cylinder Testing

Catering to the CDAA and their Cave diving members...
Guaranteed overnight Air/Nitrox fills...
drop off before 9pm...
filled by 7am next morning



All enquiries – Call Darren 0408 845 511

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

Above Average Below Water



Australia



*Back plates + Harness; Wings; Hoses; Guidelines;
Lift bags; SMBs; HID & Video Lighting Systems; Scout Lights
Bolt Snaps; Diver Notebooks; Dry suit P-Valves & Pockets*

HALCYON dive equipment ***The Right Choice!***



Halcyon Australia
admin@halcyondive.com.au

www.halcyondive.com.au