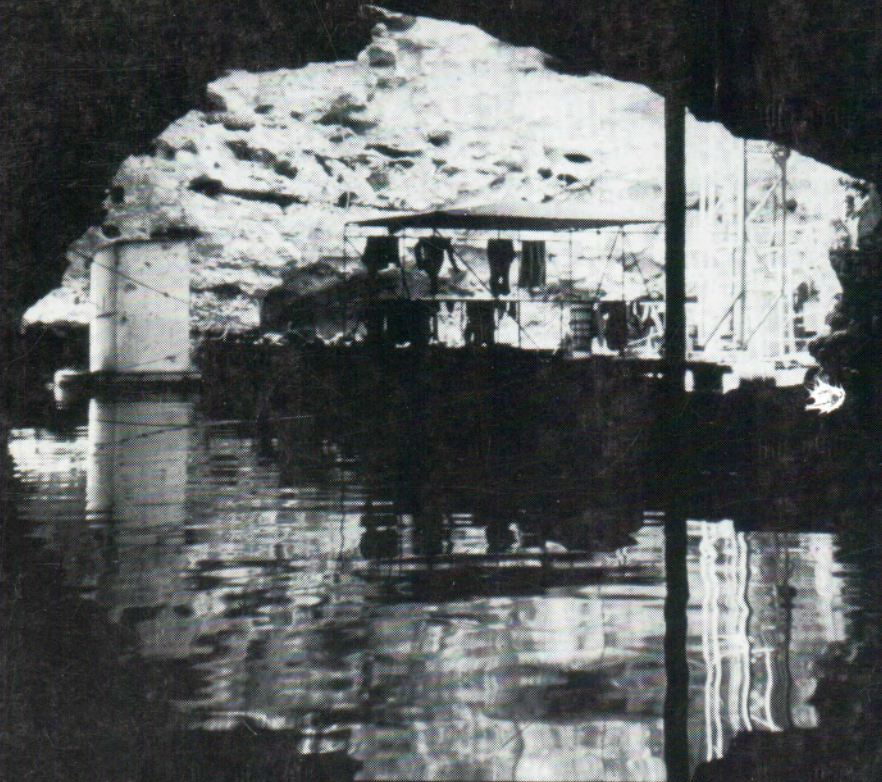


C.D.A.A. Newsletter

GUIDELINES

No: 47 - APRIL 1993



**CAVE DIVERS
ASSOCIATION
OF AUSTRALIA**

(Incorporated in South Australia)

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Cave Divers Association of Australia
P.O. Box 290, North Adelaide, 5006

Front Cover: Kilsby's Hole. First Research Group access, 1983. Photo courtesy Peter Horne.

GUIDELINES is the newsletter of the Cave Divers Association of Australia, published four times a year - January, April, July and October. All articles for the following issue are to be sent to the Editor, Peter Girdler, P.O. Box 290, Golden Grove, SA 5125, prior to **10th June, 1993**. Articles and information may be reproduced without prior permission provided reprints are credited to the authors and GUIDELINES. Private ads for caving and diving equipment may be advertised free. Opinions expressed in GUIDELINES are those of the individual authors and are not necessarily those of the C.D.A.A.

DIRECTORY

The following is a list of people that can be contacted for C.D.A.A. matters. Please contact the most relevant person or, if unsure, write to P.O. Box 290, North Adelaide, 5006, and your enquiry will be passed on.

National Director (temporary)	Representatives:
Lance Mitchell (03) 720 1205 (h)	S.E. - Phil Argy (087) 23 0879 (h)
National Standards Director	WA - Andrew Poole (09) 249 4048
Chris Brown (08) 269 5793 (w&h)	NSW - Neil Vincent (043) 97 1798 (h)
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Lisa Bernasconi (055) 62 9583 (h)	Victoria - Phil Mann (03) 483 0315 (w&h)
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EDITORIAL

A number of significant changes have been made to the CDAА SITE ACCESS information. These changes include the addition of two sites and changes of conditions for Barnoolut, Three Sisters, McKay's and those sites on Woods & Forest land. Check this issue for details.

As previously mentioned, Kilsby's Hole is now open and the first access for general diving took place during the last weekend of January. An article written by Stan Bugg comments about his dive.

Due to the efforts of the Site Access Committee, Tank Cave is now open. Details of access will be published in the next issue.

Starting with the next issue I will run a column, "Letters to the Editor". I feel sure that this column can be used to discuss issues and convey thoughts relating to the CDAА and their policies. Some subjects such as "deep diving" and the use of mixed gases, are popular talking points at the moment and I am sure that there are a few of you out there that could contribute. The subjects are as many as there are people with a different view, so lets here from you and start the ball rolling.

We all realise that cave diving has a significant component of those activities normally associated with dry caving and to some extent we take these activities for granted, eg. Blacks, Bullocks, McKay's, and of course, Hells Hole, requiring varying degrees of competence with Single Rope Techniques (SRT). A number of articles have been published in the past which have dealt specifically with SRT and its significance with cave diving. When diving in the Nullarbor, we find that in addition to SRT ability, we also have to possess dry caving competence and experience as well. Bearing these thoughts in mind it would be fair to say that our members are, to some extent, cavers and need to possess caving qualifications as well as their cave diving accreditation. A group called the South Australian Speleological Council (SASC) was formed in April 1991 and their main tasks are involvement with Cave and Cavers classification. The members of this council are representatives of caving groups which include the CDAА. We were initially represented by Peter Horne and myself on the council and Glen Harrison and Chris Brown (later as Standards Director), to provide assistance with issues relating to Caving Standards where diving is involved. Glen retired and Chris replaced him and, more recently, Peter Horne retired from the council to take up more demanding tasks with the CDAА. It would be appropriate for another representative to be appointed to the council to fill Peter's positions. Volunteers please contact me.

The SASC are compiling a register of Cavers and Cave Divers who are members of Emergency Organisations such as SES, CFS and others. This register will provide a list of South Australian specialists that can be referred to, should an occasion arise. If you are interested, please contact me with details.

If you want to know more about the SASC, then feel free to call me.

I hope you enjoy reading this issue,

Pete Girdler

TRY THE PAGER ...

To contact Peter Girdler
via his pager - (03) 625 5000
OR (08) 273 5000
and quote pager no: 56857

DIRECTORS' REPORT

by Lance Mitchell, Chris Brown & Lisa Bernasconi

For this edition of Guidelines, the Directorate has decided to give you one report that replaces our individual reports. Within this report we will endeavour to outline the meetings that have taken place and what we would like to do in the following months.

Officials Meeting: On the 23rd and 24th of January, we had our first Officials meeting under the new Directorate. Fourteen people

attended, including the reps from S.A., N.S.W., and W.A. The main agenda for the weekend was our three year plan outlined in Guidelines No. 46. The outcome of a long weekend's work was positive, and a large number of improvement projects were listed. Hopefully, as soon as the membership learn of our ideas, we will get some positive feedback.

Continued overleaf

DIRECTORS' REPORT

Continued from previous page

Instructors' Meeting: The main agenda of this meeting was the final organisation of the Standards and Procedures Manual as used by the CDAA Instructors. During this meeting a number of specific Standards were discussed and a procedure of *Due Process* for the adoption or modification of Standards was designed. Also a training committee was formalised to assist the Standards' Director in a number of training areas. The instructor attendance at the meeting was excellent.

Land Owner Review Group: A meeting is to be held in Mount Gambier on the 27th March. The intention being to reunite the landowners with the changes that have occurred within the association and also to introduce the landowners to the new Directorate.

Following the next issue of Guidelines we intend to produce a special mailout, which will include:

- 1) All improvement project ideas
- 2) Office bearers reporting on their duties

- 3) Budget outlines
- 4) The chance for the members to let us know if they are happy with our ideas via a voting form.

We strongly believe that if the membership approves of our three year plan and improvement projects at the A.G.M., the association will be given a stability it has not known before.

Finally, some divers at Cave Level have expressed concerns that Penetration Sites co-exist within the environment of some Cave sites. It has been suggested that maybe the CDAA look at reclassification of some current Cave Level sites to Penetration level. These concerns were discussed and it is suggested that while these sites do co-exist, it is not necessary to enter them because they exist. If two divers cannot enter the area side by side, and the appropriate rating is not held, then that section should be avoided until the rating is obtained.

Needless to say, we are happy to have any input from the membership whether it be by phone, in writing to the Directorate, or to Guidelines.

Thanks for your support,
Lance, Chris and Lisa

STOP PRESS ... STOP PRESS ... STOP PRESS

TANK CAVE Access Negotiations Successful!

Members will be pleased to know that recent negotiations for access to the spectacular Tank Cave have been successful, and final arrangements for general diving access are now being organised between Phil Prust (the research project leader of the site), and myself.

A more detailed article about these arrangements will appear in the next issue of Guidelines (Issue No. 48).

PETER HORNE
Manager of Site Access & Research

ACCESS TO WOODS & FORESTS DEPARTMENT (AND OTHER) CAVES

*by Peter Horne, Manager
S.E. Site Access & Landowner Liaison Committee*

Australian cave divers have been fortunate over the years to have successfully negotiated access to some of the most spectacular and enjoyable cave diving sites in the country, thanks to the many caring and supportive landowners with whom we have dealt during the past 20 years.

In a world full of fear about litigation and concerns about the responsibilities of people who enjoy recreational pursuits of a physical nature, it is small wonder that we are required to sign more bits of paper and reach into our pockets more often than ever before. But at least by doing everything possible to protect landowners from liability and unfair financial burden in the event of an accident occurring, we have become more-or-less accustomed to accepting the need for such paper-shuffling if we want to continue to have access to waterfilled caves.

It is therefore quite strange to observe that this social responsibility of seeking permission frequently seems to be forgotten or disregarded when it comes to visiting DRY caves.

Word is getting around that many cave divers, wishing to use their time in a constructive and adventurous way after a hard cold day of diving, hop into their cars and head out to some of the "other" caves which are to be found around Mount Gambier. There are many little-known "karst" features - ranging from huge, dry dolines to very narrow, vertical fissures which hit the water-table - lying silently under pine trees throughout the Mount Gambier region, and because they do not involve the "riskier" element of diving, people seem to feel that landowner permission is not required before they visit these caves ... a view which is cause for great concern to both landowners and cavers - the latter being very concerned about the unregulated access and subsequent damage to the cave by (pardon the expression) ignorant cave divers!

This practice of going for a bit of relaxing

caving (or even, for that matter, simply walking across to Alleyns Cave after a dive in The Pines to have a look at the gate) without landowner knowledge or approval is apparently very widespread; rumour has it that even cave/sinkhole course operators are occasionally taking their charges into dry caves without permission or the right knowledge and training ... with possible detrimental consequences (for instance, the deaths of hibernating bats which were disturbed by noisy visitors).

Where an unknown cave is found to contain an underwater component, it is a good commonsense policy to assume that it is at least of "Penetration" level until it is proven otherwise. A number of caves in fact are outside the current scope of the CDAA system, requiring completely different planning because of their shapes and sizes which usually prohibit the use of standard twin-independent scuba systems, and most of these have already been assessed in the past and found to lead to nothing of significance. Other features contain aspects of great cultural or scientific importance and are of little recreational value, and access permission is generally not given for such features. Alleyns ("Death") Cave is one of these "special value" sites which currently may only be visited under certain very restrictive and specific conditions.

Lastly, IF you ring or ask for special arrangements to be made to pick up your permit from the Woods & Forests offices or the mill security building, PLEASE honour those arrangements or telephone the Department if you have been forced to cancel. A number of members are failing to contact staff or pick up the permits, leaving them wondering whether in fact the divers when diving without them, and therefore causing concern if something (e.g. a sudden fire) should occur, requiring staff members to rush around looking for non-existent divers!

The urge to explore is indeed inherent in
Continued on next page

**ACCESS TO WOODS & FORESTS
DEPARTMENT (AND OTHER) CAVES**

Continued from previous page

caving people – this writer has run around many a pine forest and jumped into numerous holes over the years – but since the Woods & Forests Department is more than happy to authorize such wanderings if only people bothered to ask, the lack of a permit is really little more than a show of contempt for common courtesy. Please remember that we cave divers are frequently seen as nuisances as it is; by jumping fences and acting irresponsibly when you can get

permission to enter properties, trespassers are NOT making a good impression with our landowner friends!

FOOTNOTE: Many members are becoming aware of the existence of a cave known locally as the “Crystal Cave” (Stafford Road Cave, 5L174). Although it lies in a young pine forest, this cave is NOT on Woods & Forests land, and the company which owns it has made it clear that ACCESS IS STRICTLY PROHIBITED. Please take note of this warning, as the entrance may be permanently sealed if people continue to visit this sensitive site.

G

ATTENTION ALL MEMBERS

Due to many members' details changing, with regards to home and business hours' phone numbers especially, it is difficult to keep those published in Guidelines accurate. Should you discover any discrepancies, please contact the Editor, Peter Girdler, to amend these for the following issue.

**MEMBERS
MANUAL:**

All orders for the
CDAA Members Manual
are now \$20,
due to severe postage
increases.

To secure your copy of the
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the order form on page 17
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C.D.A.A. 1993 ANNUAL GENERAL MEETING



DATE: Saturday, 31st July 1993

VENUE: International Motor Inn
Millicent Road,
Mount Gambier

TIME: 8 p.m. sharp

**See enclosed yellow information sheet for
further details, and for your Nomination Form**

ATTENTION PENETRATION DIVERS

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A unique opportunity to dive the cave systems of Florida – Devils Eye, Little River, Madison Blue, Peacock, and more.

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For further details including costings, departure dates, etc. call Tony Davis on (03) 781 3820.

CDAА RESEARCH GROUP

by Peter Girdler

The Formation and First Project

The Research Group was initially formed during 1982 and it's first project as an official CDAА group was the mapping and survey of Kilsby's Hole (5L46). It is appropriate at this time to say a little about the Research Group and the project, as ten years has passed since the first official access by the group (4th February 1983), and more recently, access by CDAА divers (30th January 1993).

"The Research Group was formed to pursue the research and mapping of underwater caves and sinkholes in the Mount Gambier region. Work of this kind was done by individuals and so much of the information gained was lost or dispersed. It is hoped that the Research Group will prevent this happening in the future by providing a central register of research reports and by instigating and carrying out well organised research programs that relate to cave diving.

"Following the closure of Kilsby's Hole in late 1969, some ten years passed before further unsuccessful attempts were made to gain access. During 1982 a further approach was made, on behalf of the CDAА Research Group, to the Landowner and the Defence Research Centre (DRC) resulting in approval for limited access during February 1983 for six days over two consecutive weekends.

"After a total of 71 scuba dives and just over 42 man-hours underwater, a Grade 3 map of Kilsby's Hole was produced and significant scientific information about the feature was collected. The size of the party was limited to eight divers and they were as follows:

Peter Stace (Research Group Co-ordinator and Project Leader, Mapping Co-ordinator, Water Sampler),

Peter Horne (Life-form Search and Collection, Water Temperature Layering, Wall Growth Experiment, General Mapping),

Peter Girdler (Department of Defence Representative, Access Co-ordination, Mapping Base-Line Establishments, General Mapping),

Robin Garrad (Palaeontological Evaluation),
Martin Garrad (General Mapping),
Jenny Hiscock,
Ian Lewis (Geological Observation, General Mapping),
Phil Prust (Mapping Base-Line Establishments, General Mapping).

"This study represented the most advanced and thorough study of a water-filled cave feature in Australia. During the time allowed a wide variety of fields were investigated including Geology, Hydrography, Palaeontology, Biology and Sedimentology. However the most significant task undertaken was the detailed surveying of the entire cave which required 90% of the study time. The map produced is of the highest accuracy and detail believed to be possible for a water-filled feature of this size and is the first major sinkhole to be surveyed to this level."

(Editor's note: under the circumstances at that time.)

Since this project there have been many other features mapped and surveyed by the Research Group and they include the Shaft, Piccaninnie Ponds, 1080, and currently Blacks.

I wish to acknowledge and thank those who co-operated and encouraged the initial access to Kilsby's which eventually led to the reopening of the feature to general restricted diving. These included:

Mr Ross Kilsby (Landowner),
Mr B. Rush and his staff (Defence Research Centre),

Mr P. Clarke (Defence Research Centre),
Mr M. Parington/Mr F. Hearn (Defence Industry Development Office),
Snr. Sgt Ron Jeffery (S.A. Police Underwater Recovery Unit).

Due to the assistance of those mentioned above we now have access to one of the most spectacular dives in the Mount Gambier region. Protect this access.

Editor's note: details and quotations taken from Project Reports written by P. Stace and P. Horne for the CDAА Research Group.

G

OCTOPUS REGULATORS

by Stan Bugg and Brian Cornell

The octopus regulator was expected to be the definitive answer to an air emergency. It was clearly a better alternative to buddy breathing, and so much simpler to perform. Perhaps it was a system that was so superior to buddy breathing that complacency has set in ... just shove a regulator into your buddy's mouth and all will be OK.

Unfortunately stories abound of failed attempts at sharing air, some with fatal results. This would indicate that what seems to be a simple lifesaving drill is more complicated than many would think.

Problems with octopus breathing seem to stem from:-

- A regulator which functions inadequately
- A delay in finding the octopus regulator
- A delay in getting air to the victim
- Poor co-ordination between the divers after air sharing has been established, resulting in breakdown.

- No idea on the part of the donor OR the victim on how they were going to share air.

The solutions to the above can be summarized with three factors:-

- Equipment selection and maintenance
- Forethought in how the gear will be worn, located and used.
- PRACTICE!**

EQUIPMENT

A long hose is essential on your octopus, to allow the regulator to easily reach the victim. A minimum length of 1m is required.

Choose a good quality regulator for an octopus. This is a lifesaving item, so it needs to be much more than an abandoned regulator out of your "dead gear" bin.

Ensure that air delivery is adequate when both regulators are being used. A coronial enquiry into a recent Victorian fatality called

Continued on next page

OCTOPUS REGULATORS

Continued from previous page

into question the performance of the potential rescuer's octopus regulator.

The only way to be sure of how well the regulator is functioning is to use it! As logical as this sounds, I know of several octopus regulators which are never used because the owners consider them to be an inferior regulator compared to their main one. Put simply, if you are not prepared to use the regulator as a main unit, is it suitable as an octopus?

We personally favour the use of barrel regulators, e.g. Tekna, Oceanic, Poseidon, which are NEVER upside down. The conventional type of regulator can only be used properly from one direction, but the barrel type can be used from either side.

FORETHOUGHT

Consider how and where your octopus regulator is attached. It should be located somewhere on the chest between your collar

bone and your nipples, where you can put your hand onto it every time. The closer it is to your mouth, the better.

The attachment should be of a secure yet quick release type.

Do not let your octopus hang free. It could end up out of your reach when you need to use it. Nor should you have it in a B.C. pocket, as it may not come out readily in an air emergency.

Next, consider how you are going to respond to your buddy's call for air. Do you give up your main reg and switch to octopus? Or do you retain your main reg, and give up your octopus?

Most advocate the first option, and they anticipate this by having a long hose on their primary regulator. This option also anticipates the panic reaction of your buddy taking the regulator from your mouth.

PRACTICE

The best plans for action are useless if you cannot put them into practice. Any physical skill needs practising, even one as simple as taking one regulator out of your mouth and replacing it with another.

Get into the habit of doing several regulator changes during every dive. This serves to check the function of your octopus. If you are not happy breathing from it, I doubt if your buddy will be thrilled either! Or even worse, how will you react to its poor performance in a real, stress-loaded air emergency?

These regulator changes also allow you to confirm that the regulator falls to hand easily. If you have difficulty locating it, or transferring it into your mouth, practice more, or change your system to be more diver-friendly.

Once you are happy with your air changes, practise supplying air to your buddy. At first do it with plenty of warning, then, as you gain confidence, have your buddy demand air without warning.

CONCLUSION

Despite its simplicity air sharing will not just happen. It is a skill that calls for prior planning, and regulator practice if you are to be confident in your performance of this potentially lifesaving skill.

G

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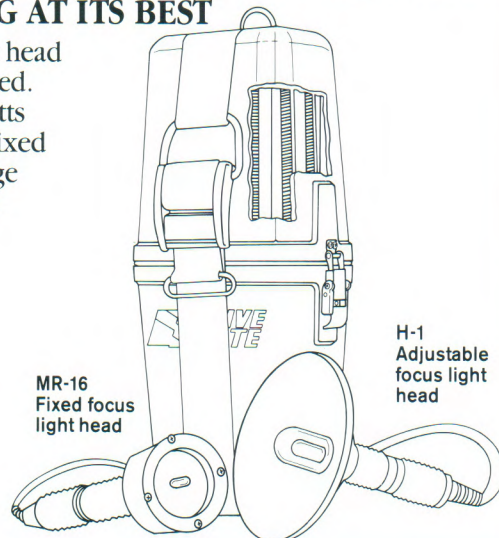
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Contact: CHRISTOPHER BROWN
Ph: (08) 269 5793

KILSBY'S SINKHOLE

by Stan Bugg

Kilsby's Sinkhole has been closed to divers since a dual fatality occurred there in April 1969. Since that time police and military personnel have used the site for training and research.

Those divers who had dived it prior to its closure, rave about it, and variously describe it as "... the best sinkhole in the Mount", "... even better than the Shaft", "... as clear as Pics". For a long time I felt I was doomed to dream about this great spot!

But CDAA Site Access Committee have negotiated limited access for suitably qualified CDAA members. I was privileged to be invited to dive there on the Australia Day weekend.

Brian Cornell and I, and four other divers were met outside the property by Peter Horne and Peter Girdler, who were to be our guides. Procedures were discussed and we drove the short distance to Kilsby's property, and the sinkhole.

It looks like a larger version of Bullocks, with one important addition - a ramp cut into the limestone, which leads onto a pontoon moored on the lake. Talk about easy access! Old timers

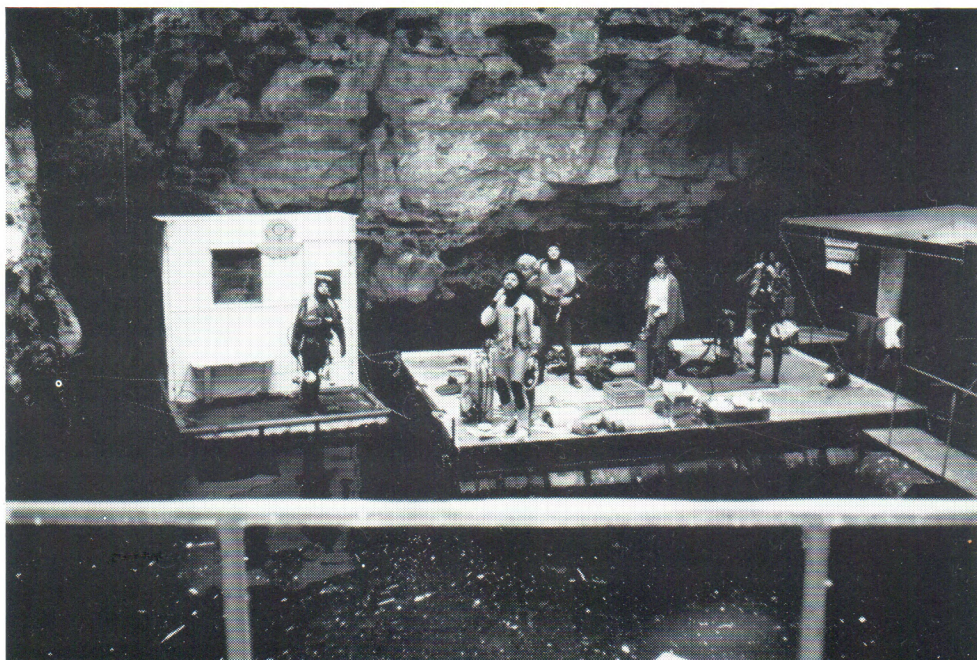
had told me about the 13m ladder climb that they had to endure. I will be embarrassed to talk about my dive with them!

We were free to dive our own plan. The only restriction was that we were not to exceed the CDAA depth limit of 40m. Peter Horne accompanied us underwater to keep us honest. Twin independent systems were also mandatory.

The sinkhole undercuts towards the south east more than 50m from the surface lake, and is very deep (55m plus). Amazingly, the water is so clear below the algal layer that all parts of the cave can be seen from any point below 20m. Even more amazing was that, despite our distance back from the surface pond, all parts of the sinkhole are reached by natural light. It was awe inspiring to be at 40m in such a large sinkhole, and to be able to see other divers 80m away.

Decompression stops provided quiet time for inward reflection on what we had just seen, but once on the surface, six divers were all talking at once about what a superb dive it had been. The old timers were right!

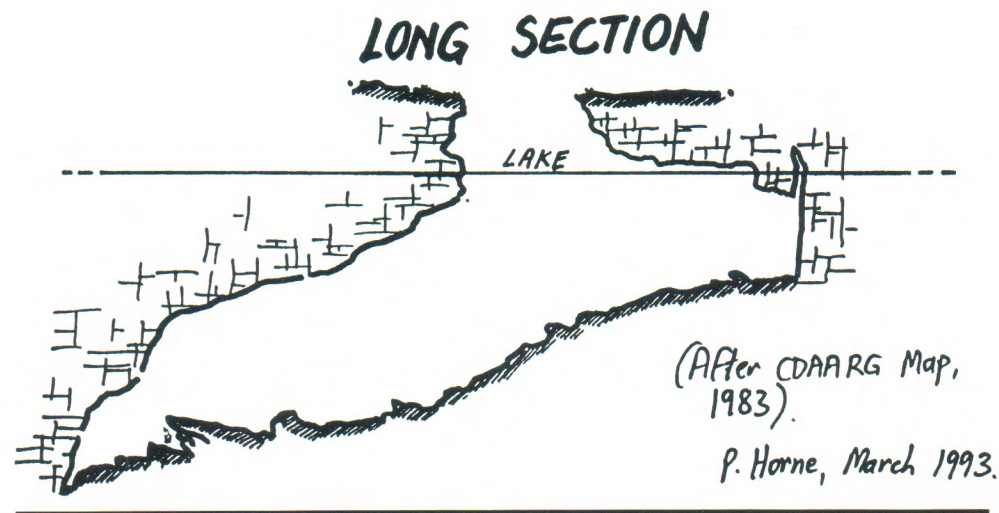
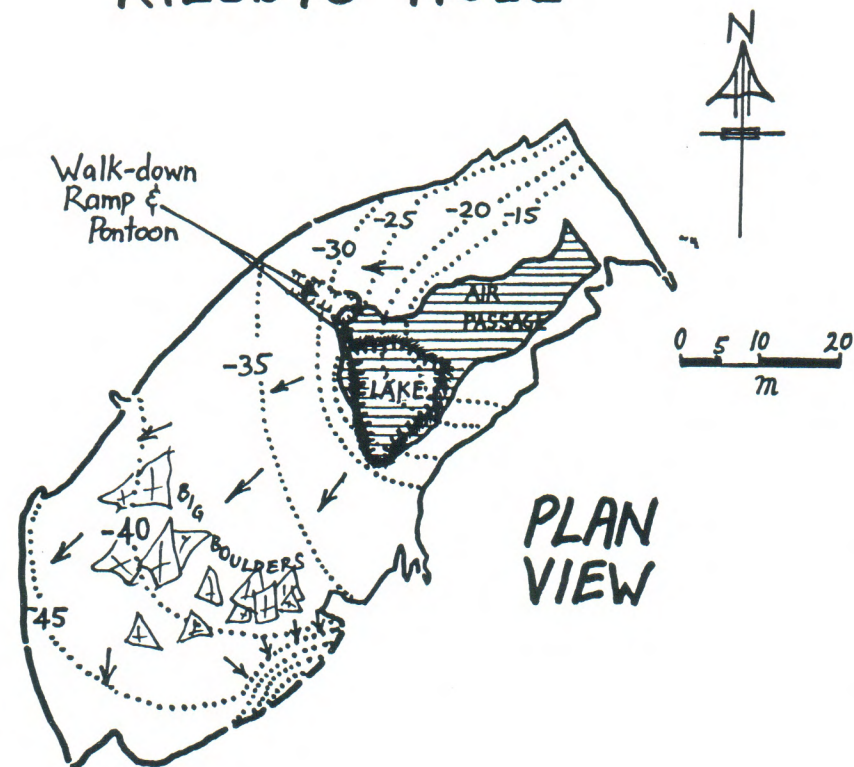
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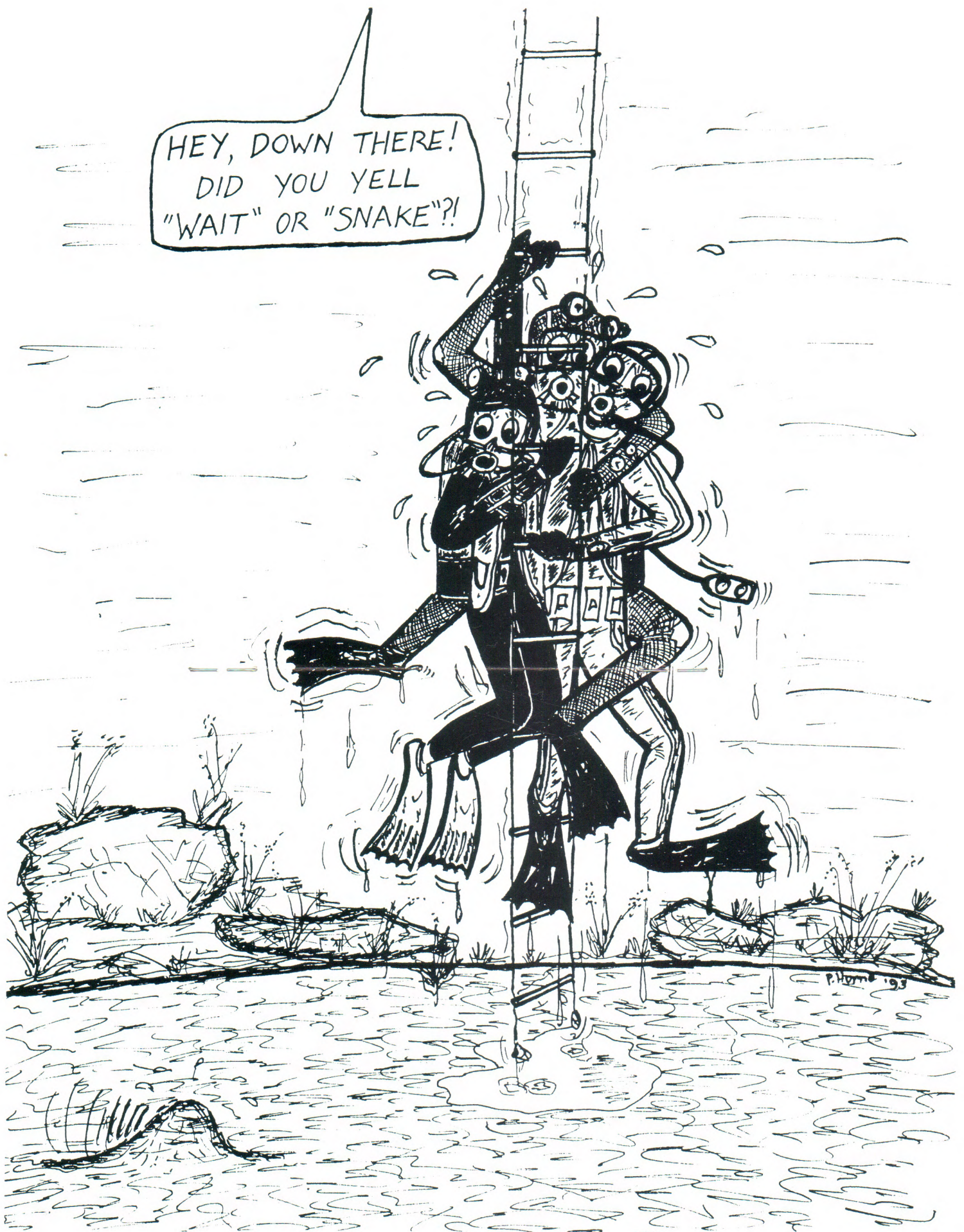
Kilsby's Hole. First Research Group access, 1983.

Photo courtesy Peter Horne

KILSBYS HOLE



HEY, DOWN THERE!
DID YOU YELL
"WAIT" OR "SNAKE"?!



Little-known Hazards of the
Duck-Weed in "Hells Hole"

WANTED:

MORE ARTICLES FOR GUIDELINES

We are always looking for more articles to be published in YOUR newsletter. Any interesting dive trips you've recently completed, or even anything relating to gear used or seen, funny photos or stories relating to any aspect of your cave diving – dry caving included.

Send your typed manuscript,
with any photos or drawings,
to the Editor, Peter Girdler,
P.O. Box 290, Golden Grove, SA 5125

Should you request your photos to be returned,
include a stamped, self-addressed envelope.

CDA NEWS

WOODS & FOREST PERMITS

Permits will only be issued Monday to Friday between the hours of 8.30 a.m. and 4.30 p.m. These are applicable for dives in Hells Hole, Pines, Mud Hole and Iddlebidy.

PICCANINNIE PONDS PERMITS RENEWAL

Annual permits to dive Piccaninnie Ponds expire on June 30 1993. Enclosed in this edition of Guidelines is a Renewal Form for an annual permit for 31 July 1993-30 June 1994. The annual diving permit costs \$30, with the cost of a single dive permit being \$6 per dive, and snorkelling is \$3.

NOTICE OF MEETING/ NOMINATION FORM

The yellow form enclosed in this edition of Guidelines is a notification of the 1993 Annual General Meeting and Nomination Form, which all financial members are eligible to complete, and return by 31st May 1993.



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TECHNICAL DIVING – WHAT IS IT?

by Tony Richardson, Cave Diving Instructor

As the great Australian nitrox debate rages, the term “technical diving” has been bandied around to describe this type of diving. But what exactly is technical diving? How does it differ from recreational diving? These are common questions and in this article I intend to define my perspective of technical diving.

Firstly, we need to consider recreational diving. PADI defines recreational diving as “no stop diving within 39 metres of the surface, and, if the dive involves penetration, within the light zone”. No stop diving referred to above means no decompression stops – safety stops are O.K. It is worthy of note that PADI only endorses training to the limits of the above definition, and instructor liability insurance only covers PADI instructors for teaching within those limits. It needs to be added that recreational diving

only utilizes standard scuba equipment (single tank) and the gas used is always air.

Technical diving basically is anything above and beyond the recreational limits. Technical diving is usually conducted in an “overhead environment” of a cave, wreck, or decompression ceiling where the diver cannot freely ascend to the surface. But it is not limited to the overhead environment.

Technical diving also embraces commercial and military diving, and any diving where gas mixtures other than air (nitrox, heliox, trimix) are used.

How does technical diving tie in with CDAA cavern, cave, sinkhole and penetration diving?

Consider these dives:-

- a night dive in Gouldens under the overhang
- a dive to the air chamber in Englebrechts East
- a dive to 40 metres in the tunnel in Blacks
- a dive to the rock pile in Cocklebidy
- a dive to 36 metres in the cathedral in Pics.

How did you score these dives? According to the definitions these are all technical dives – beyond the recreational dive limits. So, for CDAA divers, technical diving is nothing new – we have all been involved in it for years!

G

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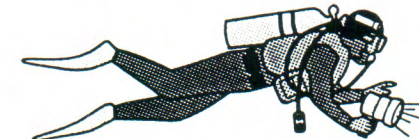
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- Complete list and detailed maps of all currently open sites in Mt. Gambier (soon to include other regions).
- Advertisers Section: All the current information on what gear is currently available and who's got it. Where to stay in Mt. Gambier. Instructors currently teaching all levels of Cave Diving – Where and when.

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CDAA MEMBERS MANUAL, P.O. Box 290, North Adelaide, 5006



CDAA MEMBERS MANUAL ORDER FORM

Please send me _____ copies of the CDAA Members Manual at \$20.00 each including return postage.

Name: _____ M/ship No: _____

Address: _____

Postcode: _____

Telephone: (home) _____

Current Level of Certification: _____

ACCESS CONDITIONS FOR "KILSBY'S HOLE"

Please note that any failure by CDAA Members to adhere to the following conditions will result in SEVERE disciplinary action being taken.

1. Access permission to Kilsby's Hole has been initially granted to the CDAA for FOUR TWO-DAY WEEKENDS PER YEAR (excluding February, which is when the S.A. Police Department's Underwater Recovery Unit generally uses the hole for training), and at this time the 1993 proposed dates are:
JANUARY 30/31 APRIL 24/25
JULY 24/25 OCTOBER 30/31
(subject to any other requirements by the Police divers). Individual CDAA members are NOT to make their own access approach to either the lessee, the South Australian Police Department or the landowner, Mr. Ross Kilsby; ALL negotiations are to be undertaken by CDAA-appointed representatives (this is a requirement of the Police and the landowner, not the Association). At this time, these representatives are Peter Horne and Peter Girdler, and finalisation of each weekend trip must be made by the relevant representative at least 6 weeks prior to the date concerned so that the individual Indemnity Forms and this Special Site Information Bulletin can be sent out to the divers. The divers must then complete, sign and return the Indemnities immediately so that they (plus an up-to-date CDAA Membership List) can be forwarded to the Police by the representative AT LEAST ONE MONTH prior to the weekend concerned.
2. The method of selection of divers will be the responsibility of the CDAA Management, and only competent Sinkhole (or higher) Level divers who are proficient with the use of twin independent scuba systems (e.g. as for "The Shaft") will be eligible to dive.
3. Divers will be requested to pay \$15 per person to help allay some of the costs which the CDAA representatives will incur in running the operation.
4. A maximum of TEN (10) Sinkhole divers will be permitted to enter the property on any one day (plus the two CDAA-

approved "Guides" who are to supervise operations).

5. The diving party must act as a single group - EVERYONE must stay together, so this therefore means that lunch and toilet arrangements, etc. must suit everyone at the same time (and even then, only with the bare minimum of car movement). Except for emergencies, divers will NOT be permitted to enter and/or exit the property either individually or in small numbers.
6. Divers will need to assemble on Sisters Road just off the main Mount Gambier, Port MacDonnell highway between 8.30 and 8.45 a.m. (morning team) and 12.30 and 12.45 p.m. (afternoon team) as appropriate, and all vehicles must quietly travel together via the gate to the south of the sinkhole (i.e. NOT the house track). The CDAA representatives must ensure that disturbance to stock is minimal, and that all gates are re-secured. Any change-over of personnel must occur quietly and in accordance with point 5 above.
7. Divers are only permitted to be on the property between 9 a.m. and 4 p.m.
8. All fish, stock, sheds, gates and all other items located on the property are NOT to be interfered with in any way, and divers are not to move outside of the area of land controlled by the Police Department. Also, divers must take special care not to damage the fragile irrigation pipe which is located on the narrow cut ramp.
9. Access to the water will ONLY be permitted via the ramp; apart from the designated police pontoon, divers are NOT to utilise any of the installation which is there at present (including ladders).
10. At least one CDAA representative must remain top-side at all times; also, the dive parties will be broken into two teams, and an in-water CDAA Guide will ensure that the 40 metre depth limit for this site is STRICTLY enforced.

Please remember that continued access to this sinkhole will ONLY be possible if everyone follows the rules; there can be no room for inconsiderate divers who do not care about other members' access to this unique feature. **G**

ACCESS ARRANGEMENTS FOR "KILSBY'S HOLE"

As was reported in the last issue of Guidelines, the Association has kindly been granted permission by Mr. Ross Kilsby and the S.A. Police Department's Underwater Recovery Section (the sinkhole's lessees) to undertake controlled recreational dives at this unique location on four weekends each year. With a maximum of 10 divers per day being permitted to dive, this means that some 80 people will be able to visit the sinkhole in 1993 - an obvious difficulty in view of the 1,000 or so members who hold Sinkhole ratings or above!

Because of the great significance of this site and the special access conditions and requirements which have been negotiated over a period of some years (as well as some very important concerns about liability and safety, in view of the double-fatality in April 1969), the "best" method for selecting or approving suitable divers for this venture has been a very difficult task - a simple "first come, first served" approach was NOT deemed to be suitable in this case. Therefore, with the support of the new Directorate, a more selective system has been instigated to ensure that the first (very important) year's trips are undertaken with the minimum of concern, utilising divers who:

- have been members for relatively long periods of time;
- understand the significance of the site and its history;

- have an above-average awareness of the importance of stringently following the various access conditions for this site;
- have demonstrated considerable support for the CDAA over the years (e.g. little-known members who have helped in various research projects or helped to collate *Guidelines*, set up displays, etc.);
- are "Sinkhole" or higher-rated divers who are proficient in the use of twin independent scuba systems; and
- are believed to be able to work well as members of a team.

The 80-odd people who appear on this initial "short-list" will then be invited to select their own dive buddies and form small groups, so a wide range of people will be able to be represented in a responsible manner.

Any member may apply to be placed on the list, but it again needs to be stressed that preference will initially be given to those divers who have supported the Association in tangible ways and are more experienced. Should there be any cancellations then divers who have registered an interest will be invited to fill these vacancies, in the order that the requests were received. While there are no guarantees that you will be able to visit the sinkhole in the immediate future, at least by expressing your interest to the Association in writing, you will be formally registering your desire to visit the feature at a later date.

KILSBY'S SINKHOLE *Continued from Page 10*

Do not miss an opportunity to dive Kilsby's Sinkhole. You will be given a list of procedural rules to follow, that are the conditions for access. **These rules are in no way restrictive, and merely put into print what most responsible CDAA members would do as a matter of course, e.g. punctuality, gate protocol, no litter, sensible behaviour, stay as a group, no fires, and the CDAA depth limit of 40m.**

Brian and I are extremely grateful to Peter

Horne and Peter Girdler for taking us to such a wonderful dive site, and to the CDAA Site Access Committee for their successful negotiations to have Kilsby's Sinkhole made available to members.

P.S. All access arrangements will be made via the CDAA. Kilsby's Sinkhole is only open to CDAA members on four weekends per year. Eligible members will be invited to attend one of these weekends in due course. DO NOT contact the landowner seeking access. **G**

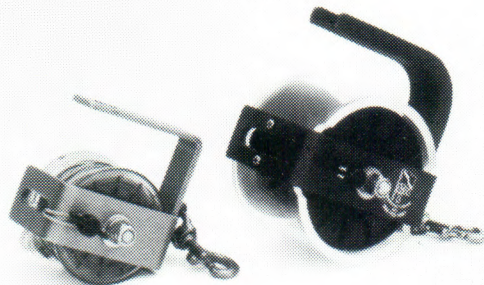
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EQUIPMENT**

BARNOOLUT ACCESS

The Manager from Barnoolut Estate, Colin Traeger, has requested that divers applying for access to dive on Barnoolut, send their Booking Form between TWO and SIX WEEKS prior to the date planned to dive. Any earlier or later, and your Booking Form will be returned, without permission being granted.

ONLY WEEKEND DIVING is available for all Barnoolut sites.

A Booking Form is in Guidelines issue 45, which you should copy and complete. Don't forget to include a stamped, self-addressed envelope for the reply.

TRADING POST

CAVE DIVING EQUIPMENT FOR SALE: 2 x 120 cu.ft. Sherwood Genesis tanks, Dive Rite wings & harnesses, Twin bands, Seaquest 4 BCD's, 2 x Oceangraphics lights, and various Regulators & computers. Contact Gary Bush (03) 899 9999(h). CDAA No. 1606.

WANTED TO SWAP: Guidelines Issue No. 38 (January 1991) needed to complete my current set. Will swap for any other current Guidelines issues. Contact Ruth Mann (03) 690 1990 (w).

FOR SALE: Citizen Aqualand Dive Watch, as new condition, hardly used. Shop price \$750, will sell for \$500 O.N.O. David Lambert, (08) 332 0765. CDAA 717.

FOR SALE Two Boss 70 cu.ft. steel tanks with DIN valves, mesh, boots, and stainless twin tank bands. In exc.cond. Tanks with 12 months test. \$595. Tony Davis. Ph: (03) 781 3820.

CDAA INSTRUCTORS

INSTRUCTOR	Cavern	S'hole	Cave	State	Telephone (h)
Ron Allum	•	•	•	NSW	(02) 398 4610
Stephen Arnel	•	•		VIC	(055) 26 5230
Bill Bernhardt	•	•	•	VIC	(03) 725 9716
Chris Brown	•	•	•	SA	(08) 269 5793
Marilyn Boydell	•	•		WA	(09) 349 5646
Stan Bugg	•	•	•	VIC	(03) 379 8791
Greg Bulling	•	•	•	SA	(08) 265 4978
Gary Bush	•			VIC	(03) 510 9081 (w)
Paul Cavanagh	•	•	•	NSW	(02) 804 7888
Terry Cummins	•	•		NSW	(02) 888 5899 (w)
John Dalla-Zuanna	•	•	•	VIC	(055) 23 3333
Ian Gothard	•	•		VIC	(03) 459 9220
Glen Harrison	•	•	•	SA	(08) 386 3237
Barry Heard	•	•	•	VIC	(056) 27 5511
Alan Jolliffe	•	•	•	VIC	(03) 874 7669
Nick Jones	•	•		VIC	(03) 282 4502 (w)
Simon Jones	•	•	•	WA	(09) 344 4343
Max Marriott	•	•		SA	(08) 47 3360
John McCormick	•	•	•	VIC	(03) 579 0570 (w)
Richard McDonald	•			SA	(08) 278 1829
Warrick McDonald	•	•		VIC	(03) 579 2600 (w)
Richard Megaw	•	•	•	SA	(08) 344 1733
Tim Miles	•	•	•	SA	(08) 289 2030
Hugh Morrison	•	•	•	WA	(09) 409 9807
David Ogilvie	•			NSW	(02) 888 6899 (w)
Tony Richardson	•	•	•	VIC	(03) 754 6163
John Vanderleest	•			VIC	(03) 416 9370
Des Walters	•	•	•	NSW	(060) 25 3506
Bob Wealthy	•	•	•	VIC	(03) 789 6389
Andrew Wight	•	•	•	NSW	(02) 428 2176
Liz Wight	•			NSW	(02) 428 2176
Frank Ziegler	•	•	•	VIC	(055) 26 5288

CDAA SITE ACCESS

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

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

SITE	LEVEL	OWNER	ACCESS DETAILS
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MOUNT GAMBIER - SOUTH AUSTRALIA

Ewens Ponds	Nil	Dept. of Lands PMB 124, Mt. Gambier 5290 (087) 35 1111	Groups of 6 or more, phone/mail to Dept. of Lands. Smaller groups, no need. Ponds are usually closed 1 September - 30 November each year. Phone to check.
Horse & Cart Tea Tree	CN	Peter Cunningham PO Box 643, Mt Gambier 5290	By phone or mail, 1 week prior. Ph: (087) 38 4003
Little Blue (Baby Blue)	S	Port MacDonnell	Little Blue - permission not required - must carry card.
Allendale	C	Port MacDonnell	Obtain key from Mt. Gambier Tourist Information Centre.
Gouldens 2 Sisters Fossil	CN CN C	Dept. of Lands PMB 124 Mt Gambier 5290	Contact Dept. of Lands by phone/mail prior to diving. Stay out of Gouldens when pump is operating. Ph: (087) 35 1111
Ela Elap One Tree	S S	Mr. Peter Norman Private Bag 67, Mt Gambier 5290	By phone or drop in before diving. Accommodation also available. Ph: (087) 38 5287
Swim Through	C	Valerie Earl C/- PO Allendale 5291	Currently CLOSED pending new access arrangements.
Piccaninnie Ponds	S	NPWS 11 Helen Street, Mt Gambier 5290	Permit holders by phone. Be aware of delicate vegetation. Ph: (087) 35 1177
Hells Hole Pines Mud Hole	S C C	Woods & Forests PO Box 162 Mt Gambier (087) 24 2759	Contact Woods & Forests by mail or phone to arrange permit. Collect permit from Regional Office, Jubilee Hwy. Mt. Gambier. No diving on total fire ban days. Permits will ONLY be issued Mon-Fri between 8.30am-4.30pm.

SITE	LEVEL	OWNER	ACCESS DETAILS
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MOUNT GAMBIER - SOUTH AUSTRALIA continued

Black Hole Ten Eighty Bullock Hole	S S S	Mr. Colin Traeger, Manager, Barnoolut Estate PO Box 12, Mt Gambier 5290 (087) 26 6215	Contact CDAA Records Officer for diving deed THEN mail Booking Form to Colin Traeger 2-6 weeks prior, stating names/qual. of all divers, and time slot - 1pm Saturday, 9am or 1pm Sunday. WEEKENDS ONLY. Closed October-November for shearing.
Max's Hole	C	Mr T. Edwards PO Box 1319 Mt Gambier 5290	Phone or mail 1 week prior to dive. Ph: (087) 26 8277
Shaft	S	Mr & Mrs Ashby	ONLY by contacting designated "guides" who will arrange access. Refer Guidelines Issue 42 (Jan. 1992)
Engelbrechts - East - West	C P	Mt Gambier Council	Obtain key from Mt Gambier Tourist Information Centre. Access agreement must be signed prior to diving.
Three Sisters	P	Peter Girdler or Peter Horne P.O. Box 290 Nth. Adelaide 5006	Access available for experienced Penetration divers only. Low profile or side mounted independent air systems required. Access agreement must be signed prior to diving.
Iddlebidy (5L250)	P	Woods & Forests P.O. Box 162, Mt. Gambier, 5290 (087) 24 2759	Open 1st & 3rd weekend of each month. Only penetration divers who have completed practical in-water cross-over. Phone Forests Clerk for bookings. 4 divers per group per weekend. Collect key from Lady Nelson. Must show permit.
McKay's Shaft	S	Mr. McKay	Contact Phil Argy (087) 23 0879. Small groups of about 4, good ladder climbing & SRT skills required. Access agreement to be signed prior to diving.
Kilsby's	S	Landowner leased to S.A. Police	Contact Peter Girdler or Peter Horne. Restricted access conditions apply. (Refer Guidelines 47.)
Tank Cave	P	Mr. R. Dycer	Being finalised.
NULLARBOR - WESTERN AUSTRALIA			
Cocklebidy Murra El Elevyn Tommy Grahams Weebubbie	C P C C	Regional Manager C.A.L.M. 44 Serpentine Rd, Albany 6330	Must apply for permission to dive at least 4 weeks in advance of trip. Ph: (098) 41 7133. Small dive site next to main chamber: Sinkhole
NULLARBOR - SOUTH AUSTRALIA			
Warbla	P	N.P.W.S. Ceduna	Currently CLOSED to all diving subject to draft management policy.



CDA A PRODUCTS

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BOOKS

Cave Diving Communications. A new manual from NSS-CDS dealing exclusively with all u/w communications used in cave diving. Including touch, torch & line signals, & use of line arrows & jump reels. A must for all cave diver's bookshelf.

Cave Diving. A Blueprint for Survival. By world-renowned cave diver Sheck Exley, this is a case study of a number of accidents that have occurred in the USA and how to avoid them.

Basic U/W Cave Surveying. The standard publication for anyone remotely interested in research and survey techniques used in water filled caves.

Cave Diving - The Cave Diving Group Manual. Completely new edition from the pioneers of the sport, the British. This is easily the finest reference manual on our sport currently available. Covers every possible aspect including sump rescue solo diving and advanced oxygen and mixed gas theory. Expensive but well worth it. As reviewed in Guidelines No. 37.

CDA A Occasional Paper No. 2 - from Natitonal Conference 1981. Includes topics such as Fossil Cave, Belay Techniques & Cocklebidy 1979

S.R.T. Single Rope Techniques - published by the Sydney Speleological Society. This is the definitive work on all aspects of vertical travel in caves. Should answer most questions on rope work for cavers and cave divers alike.

DES Emergency Handbook - Revised 1990 edition by Lippmann & Bugg. Printed on waterproof paper this essential first aid manual should be part of every cave divers' kit.

NSS Cave Divers Manual - The standard reference manual in Cave Diving covering just about every conceivable topic.

Research Handbook for Cave Divers - Peter Horne. Written by our most experienced research diver, the book is a compendium of years of experience from various sources. A valuable addition for those interested in the other side of cave diving. As reviewed in Guidelines No. 36.

An Advanced Guide to Physiology, Procedures & Systems
- Brett Gillian and Robert Von-Maier

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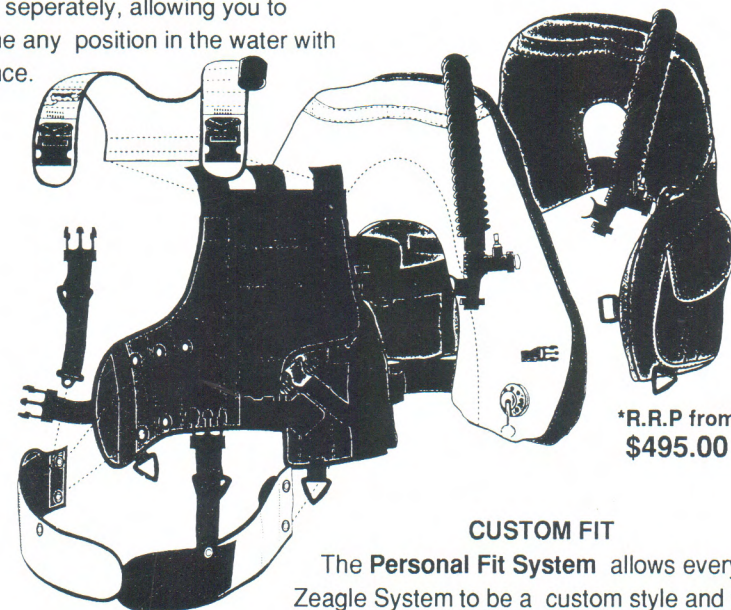
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P.O. Box 290, North Adelaide, S.A. 5006

Annual General Meeting Notification

DATE: Saturday, 31st July 1993

VENUE: International Motor Inn, Millicent Road, Mount Gambier

TIME: 8.00pm sharp

Nominations are now being called for the 3 Directors positions.
Nominations must be returned by Monday, 7th June 1993.

- Nominations should be on the attached Nomination Form or similar, and contain two nominators (other than the nominee) who are current financial members of the CDAA, and must be signed by the nominee.
- Each nomination should contain a summary of not more than 100 words, outlining information to support the nominee.
- A person may be nominated for more than one position.
- No preferences will be considered in voting.

There are three (3) positions open for nomination

- 1. National Director**
- 2. Business Director**
- 3. Standards Director**

An outline of each director's responsibilities is contained in the Red Document (Special Guidelines Issue No. 34). Further information available from the current directors. If any position receives more than one nominee, a Voting Form will be posted to all members in July. Voting for this will close 27th July 1993, with the new directors being announced at the AGM.

NOMINATION FORM

Position(s) nominated for:
(please tick appropriate position)

- ☐ National Director
☐ Business Director
☐ Standards Director

Nominee's name: _____ CDAA No: _____

Nominee's signature: _____

Brief summary of Nominee: (attached sheet if necessary) _____

Nominated by: _____ CDAA No: _____

Seconded by: _____ CDAA No: _____

NOMINATION FORM MUST BE RETURNED BY MONDAY, 7TH JUNE 1993

Return your nomination to: CDAA Returning Officer, PO Box 6452, St. Kilda Road Central, Vic. 3004

NATIONAL PARKS & WILDLIFE SERVICE

P.O. Box 1046

Mt. Gambier, S.A., 5290

PICCANINNIE PONDS ANNUAL DIVING PERMIT

All 1992-93 ANNUAL PICCANINNIE PONDS PERMITS expire on 30 June 1993. If you wish to renew your Annual Permit for July 1993 – June 1994, please forward the Renewal Form below with payment of \$30.00 to the above address.

To be eligible for a permit you must hold a Sinkhole Diver, Cave Diver or Penetration Diver card.

Clerical Officer
National Parks & Wildlife Service
P.O. Box 1046
Mt. Gambier, S.A. 5290

SURNAME: _____

CHRISTIAN NAMES: _____

POSTAL ADDRESS: _____

POSTCODE: _____

PHONE: (work) (____) _____

(home) (____) _____

C.D.A.A. CATEGORY: (Please Circle)

SINKHOLE DIVER

CAVE DIVER

PENETRATION DIVER

C.D.A.A. NUMBER: _____

C.D.A.A. MEMBERSHIP EXPIRY DATE: _____