

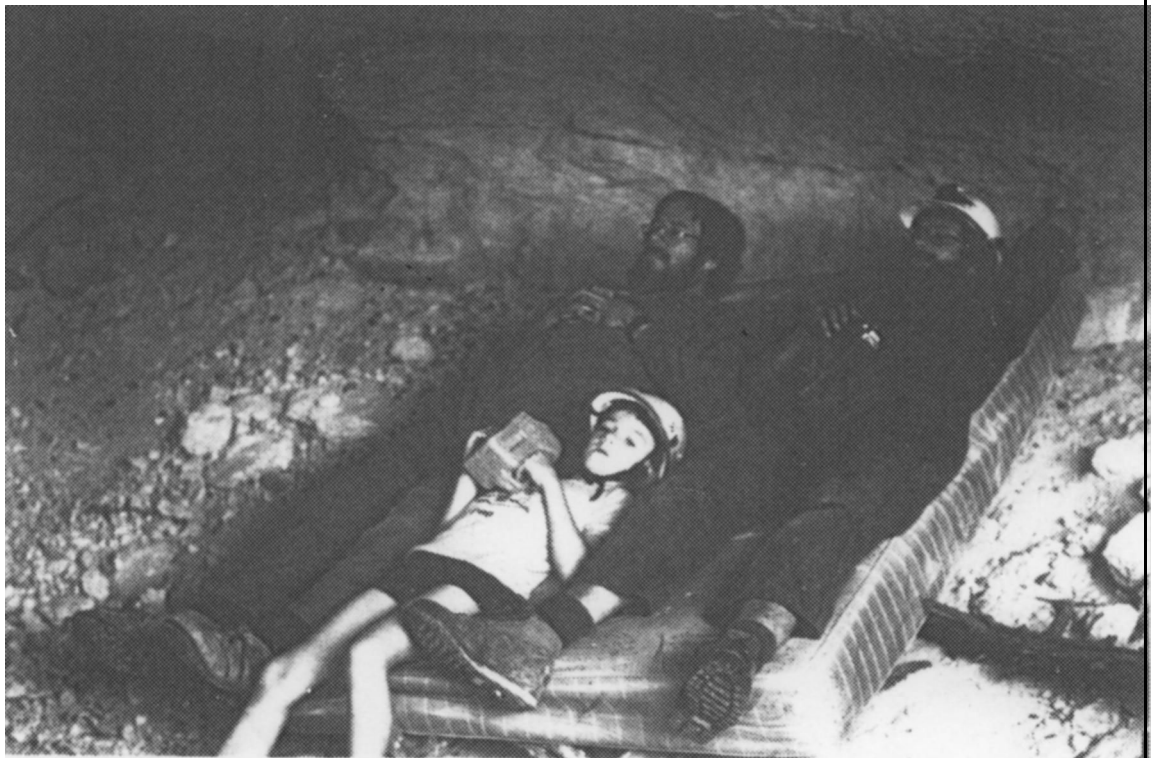
CAVE EXPLORATION GROUP SOUTH AUSTRALIA Inc.

P O Box 144 Rundle Mall, Adelaide 5000



Volume 35 Number 1 March 1990

N E W S L E T T E R



CAVE EXPLORATION GROUP

SOUTH AUSTRALIA INCORPORATED

MEETING PLACE: 4th Wednesday of each month (except December) at 7.30 p.m.
in the Royal Society SA meeting room at the SA Museum.

OFFICE BEARERS

PRESIDENT & LIBRARY	Mark Sefton	36 Norman Street St. MARYS 5042 (H) 277 9086 (W) 79 9681
VICE PRESIDENT & RECORDS	Stan Flavel	Murray Road INGLEWOOD 5133 (H) 380 5404
TREASURER	Max Meth	12 Cleve Street MANSFIELD PARK 5012 (H) 45 6744 (W) 230 9111
SECRETARY	Mac MacDonald	127 Seventh Avenue JOSLIN 5070 (H) 362 3911
PUBLICATIONS & ASF REP & NARACOORTE LIAISON	Kevin Mott	3 Harcourt Road PAYNEHAM 5070 (H) 362 2441 (W) 226 2146
EQUIPMENT OFFICER & SAFETY & TRAINING	Mark Thistelton	4 Alexandra Avenue MAGILL 5072 (H) 31 4701 (W) 275 4626
MEMBERSHIP & PUBLIC OFFICER	Graham Pilkington	66 Eyre Crescent VALLEY VIEW 5093 (H) 264 2598 (W) 274 7638

POSTAL ADDRESS: Cave Exploration Group (S.A.)
P.O. Box 144
Rundle Mall
ADELAIDE South Australia 5000

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COVER Iron man caving in Yookamurra Cave - photo by Ron Simms.

DEADLINE for articles for Vol 35 No 2 is Wednesday 23rd May 1990

Opinions expressed in this newsletter are those of individual authors and not necessarily those of the Cave Exploration Group (South Australia) Inc. nor its' Committee.

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EDITORIAL

The start of a new year always seems to be a time to provoke some soul searching and the making of resolutions. This is probably a good thing as it gives us a chance to take stock of what we are doing and where we are going. A chance to constructively review.

Once again we are, early in the year, joining with the Scout Caving Group to run a competent caver course. This aims to teach future cavers to cave safely and responsibly and to conserve the resource. Even as an instructor on the course you can learn something or be reminded of something you should have remembered. This reminds us that as experienced cavers or cave managers we still have a lot to learn if we are prepared to listen to others.

One of the aims of the Group is to educate others. Many people who have not heard of CEGSA get their introduction through organised adventure tours. Having done several tours they want more so are directed to us. Others do not want any more but go away with a better appreciation of the cave environment. Although adventure tours may not be our cup of tea they do have an important place in the education of the general public.

Those who can not cope with an adventure tour should still be able to receive factual information and sample some of the cave environment through tours in show caves.

Every time we go caving we should be looking carefully at the caves we visit. What changes are there in the cave since we last visited it? What inhabits the cave? Why is it different from other caves? All these things help us understand the caves we visit. We can make value judgements regarding visitation and its effects only if we have data for each specific situation. It is pointless to ban a cave completely because we possibly might damage it. We might as well abandon the Earth if that was the case. Often a compromise solution can be reached to provide access, albeit restricted, and conservation of the resource.

Kevin MOTT

TRIP REPORTS

KANGAROO ISLAND

23-25 September, 1989

PARTY: Kevin MOTT, Chris HALES, Lance Hoey, Wayne HOEY, Paul HARPER, Ivan RILEY, Deborah & David McINTYRE, Garth JACKSON

CAVES VISITED: K1, K9, K14, K31, K33, K34, K37, K38, K39, K40, K41, K42, K43, K60, K103

This trip was organised to satisfy the call of Kangaroo Island and to give those who could not make it in May the chance to go caving at Kelly Hill.

After the rendezvous at Cape Jervis the gear was transferred to the Hi-Ace for the trip across on the "Flounder". Garth met us on the other side and relieved us of a couple passengers. A quick visit to the local take-away, to relieve the worms, and a slight detour to collect Garth's trailer then it was off to Kelly Hill. The usual bun fight over who wants what tent site was quickly sorted out, tents erected, then a couple of snorts of ports or tea to settle the sea legs.

Saturday morning Diana joined us and we ventured into Silt Cave, traversing through to the Trog's Delight chamber in the Kelly Hill system. As part of the eventual resurvey of Kelly Hill we surveyed a traverse from the Trog's Delight chamber through to the tourist route survey. In the back reaches of the cave most of the original survey stations can not be relocated hence people are having difficulty adding sections on or are deterred from undertaking new surveys.

Following a late lunch the "novice" island cavers were given a guided tour of features in the Kelly Hill area. Hanson Bay was visited and a few intrepid trogs braved the swells to visit Hanson Bay Sea Cave. Unfortunately Lance was not quite quick enough and in an attempt to do an adrenalin pumping dash up the cliff face took a half metre diameter chunk with him. Those visiting the cave in future will no doubt find the spot; it's pure white. A new feature near New Years Eve Cave was located and New Years Day Cave extensively explored. It was discovered that the western entrance chamber is 90° out of orientation on the existing map.

Saturday night was spent protecting the camp-site from the dreaded Kangaroo Island Wanganui, long thought by many to be extinct. It definitely is not. How else can you explain crackers in the camp fire and marbles throughout my bedding - Eh! Paul.

On Sunday we tagged the caves in the "Flavel" area of the reserve and spent time exploring and photographing them. Ivan as usual got carried away with his slimness and had to be physically hauled out of a minuscule fissure. As is the norm over there another new feature was found when I wandered off the "beaten" track. This was a 0.5m diameter hole in clay dropping down about 4m. Later exploration by Chris and Lance found it chocked off, but had a breeze emanating from a hole at the bottom. Several other holes were found when tying this feature (K103) into other known features. Sunday night we were invited to a farewell BBQ for Diana who is transferring to Belair Recreation Park. It seems that every time a ranger starts to get familiar with the caves they get transferred.

Mt. Taylor Cave was given a thorough exploration on Monday. The existing map is a very simplistic representation of the cave. With the "holy grail" of unexplored passages Lance was off into anything larger than a ten cent piece. Being one of the last back to the car I was surprised to find a bunch of mutinous, hungry and thirsty trogs. I did tell them where the spare key was. What do you mean it doesn't work? Oops! That was the spare key from the Toyota Crown. It's amazing, they look so similar. The last time Julie used the spare key I must have replaced the wrong one. It won't happen again. We ceremoniously buried the old one then and there.

Despite the Wanganui and the spare key saga it was a most enjoyable and relaxing trip with lots of caving.

Kevin MOTT

UPPER / LOWER SOUTH EAST

28-29 October, 1989

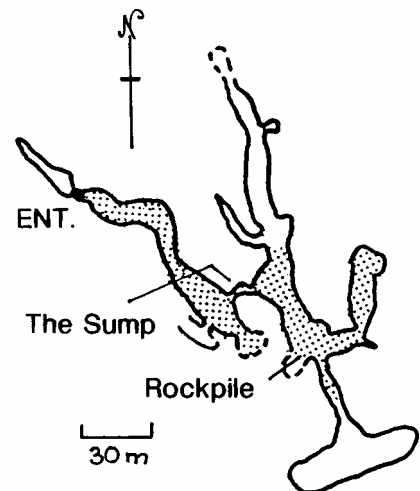
PARTY: Kevin MOTT, Eddie, Corinne and Isobel RUBESSA

Caves visited: L31, U1, U15, U33

This small but dedicated band of trogs headed south to continue the resurvey of Beekeepers Cave and to finalise the arrangements for the gating of Collins Cave. Having grown accustomed to the luxury of a cabin at the Naracoorte caravan park on a previous trip this was unanimously selected as the preferred accommodation.

Saturday morning was spent checking the accuracy of a "Hoey" type survey ray and continuing the centreline traverse beyond the sump in Beekeepers Cave. On a previous trip Lance read the wrong side of tape giving the distance down into the "Sump" as 18.1m instead of 18'1". In checking this line I sent Eddie down with instructions that he would find a survey nail on the floor. He proceeded down the slope feet first. The grunting and groaning was suddenly interrupted by an Italian tirade of verbal excitement. Apparently he found water in the sump and this being his first encounter with cold cave water he couldn't understand my excitement. The fact that water had not been reported in the sump for more than ten years did little to console him.

After a considerable amount of coaxing I finally managed to convince him he could cross over the water and stay relatively dry. He crossed, but he didn't stay dry, so we continued the survey to dry him out. We surveyed the south-eastern section beyond the "Sump" to beyond the rockpile chamber, including the passage to the east. Both sections of the cave are showing quite noticeable angular differences when the two surveys are compared. RDF stations need to be established to obtain control over the survey.



U15 Extent of Traverse Survey

On Saturday afternoon we travelled to Collins Cave to negotiate the final arrangements for the gating of the cave and to assess the feasibility of the job. The owner is getting concerned over the unauthorised visitation the cave is receiving and his possible liability. We agreed to clear the rubbish around the entrance and to construct a gate to control access. This will have the additional benefit of protecting the speleothems and possibly making the cave attractive to the bats again. CEGSA will be allowed to visit the cave providing members give the owner prior notice and sign the indemnity form. After dealing with the owner it took a lot of convincing to get Eddie to crawl past the bloated sheep gut then over the maggots to enter the cave. Once in the cave he thoroughly enjoyed it.

Sunday morning we played the role of tourist and took part in a tour of Victoria - Fossil Cave to see the results of the rehabilitation. I was pleasantly surprised. Considerable effort has been made to ensure that the protective measures blend with the cave surroundings and are not too obtrusive.

On the way back to Adelaide we called in to Marcollat Cave. This cave has not been visited by CEGSA members for at least twenty five years. It is definitely not where the Department of Lands topographical maps suggest it is. We spent some time relocating the cave and exploring it. There are several passages that need surveying and the cave has some excellent decoration along with a dead dog, complete with rope around the neck, in one of the entrances.

The trip had all one could want to make a trip successful; good company, good caving, water, maggots and dead sheep and dogs.

Kevin MOTT

RIVER MURRAY

11 November, 1989

PARTY: Kevin MOTT & family, Ron SIMMS, Lance HOEY
and Eddie, Corinne & Isobel RUBESSA

Caves visited: M6, M25, M28

Despite a last minute shopping expedition by members of the Mott troupe I managed to make the Sedan rendezvous only half an hour late. Following a brief exchange of pleasantries we continued on to M28, guided by Ron.

The cave was found by Ron a couple of months earlier. The objective of this trip was to relocate the cave relative to cadastral boundaries and to map it. One party set about tying the cave in to the cadastral boundaries while the other commenced surveying the cave's doline. Both parties then combined to survey the cave itself.

The entrance doline is 10 x 20 x 3m deep at the western end. The eastern end is a degraded slope into the doline. The cave leads off from under the cliff on the western edge and is similar to Portee Cave with the roof consisting of nasty kunkar material held up by force of habit. Passages are generally linear and are extensively used by wombats, hence the floor is a mixture of dust and decomposed wombat oopses. One member reported hearing strange grunting noises as he poked his head up a breathing hole at the end of the cave. During a lunch break time was spent exploring the nearby ruins.

Eddie and Lance were enticed into exploring Yookamurra Cave; Lance being disgusted by the limited extent of the cave. This could have been compounded by the fact that they were "walled" in by the rest of the party. While Lance was busy investigating the cave some of us took time to investigate the mattress lying in the entrance chamber.

When Lance had finished his tour of the cave we moved onto a "blowhole" shown on the Dept. of Lands survey sheets. We could not find the "blowhole" but there is a large collapse area with numerous holes leading off. These were surveyed in to establish their locality as the fences bear little resemblance to true cadastral boundaries.

The group then split up with Ron heading back to Warrawong Sanctuary to do some guiding. I led Eddie and Lance to the spot on the Sturt Highway where you take off for Portee Cave. The Mott troupe then headed back to Adelaide leaving Lance and Eddie to their own devices. They found Portee Cave and enjoyed their visit from all accounts.

Kevin MOTT

FLINDERS RANGES

29 December, 1989 - 1 January, 1990

PARTY: Peter KRAEHENBUEHL, Desiree NOVAK (SCG),
David TREHEARNE and Mark THISTLETON

Caves visited: F9, F11

The main purpose of the trip was to complete the survey of Wooltana Cave (F9) before Peter headed overseas.

The trip started with three of the group shopping for food at a large shopping complex while the other member went playing with helium filled balloons which he says he wanted for measuring roof heights within the cave, (Yes, I believe you Peter). We finally left Adelaide Friday afternoon 29/12/89, reaching the campsite around midnight.

We entered the cave around 11 am on Saturday 30/12/89, where Mark was given the task of tagging the cave. A good practice for the coming trip to N.S.W. Mark played Monkey on the end of the tape, while David played with the Miners Dial, Des recorded survey data and Peter prepared sketches and kept a watchful eye on us all. Nine hours later we departed the cave having completed a survey of the lower chamber.

We left the cave rigged overnight to speed access on our return the following day.

On Sunday 31/12/89 we made an earlier start, entering the cave around 9.30 a.m., in an attempt to avoid the heat of the day, as we did the day before. Poor Des remained on the surface having had a gut (er lung) full of the cave dust.

We continued surveying the entrance chamber, where Mark was allowed to play monkey again (Oh, what a feeling!), while David took readings and Peter recorded the data. Peter and David then descended the shaft to complete details of the 50m pitch, while Mark remained at the pitch top in the cool. Four hours later with the survey completed, we started to exit the cave. Peter found himself lucky enough to de-rig the cave, again. (A thermos of coffee would have helped Peter in his quest).

After returning to the car and packing it with all our gear we headed to Arkaroola for a cold drink. Luckily the car was air-conditioned. We then headed for the only true relief of the heat in the Flinders, that's right - Narrina Cave.

David had a little trouble removing the padlock from the gate upon entering Narrina Cave. Once unlocked, we headed for the relief (er water). We found the water level to be a good metre higher, or more, than we had previously witnessed within Narrina, maybe due to the good rainfall experienced in the Flinders Ranges.

We also saw running water in many a creek bed which we negotiated in our travels.

After leaving the cave two hours later, some trouble was experienced re-locking the padlock. After some attention to the padlock with some diesel fuel and a tyre lever, the padlock was functioning properly again, so the gate was locked until next time.

Those who visit the cave should be warned that the padlock is coated in diesel fuel.

We then headed towards Wilpena Pound where we camped for the night (Happy New Year!) before heading home on Monday morning.

Mark THISTLETON

NEW SOUTH WALES - The any excuse for a party, trip

6 - 20 January, 1990

PARTY: Mark (Gravity) THISTLETON, Peter (Krunchy) KRAEHENBUEHL, David (Ugly) TREHEARNE, Alan (Dad) JEVONS, Andrew SHEARER, Paul (Panda) HARPER, David & Deborah McINTYRE, Michael WOODWARD, Graham WOODWARD and Chris KENNEDY

Caves visited: 2B4, 2B7, 2B14, 2B22, 2B24, 2B44, 2B51, 2CP1/2, 2CP3, 2CP14-17, 215P-2D, 2WY1/2, 2Y1-3, 2Y7, 2Y8, 2Y9, 2Y10, 2Y24, 2Y31

This trip was planned to introduce members to different karst regions other than those we would normally visit within South Australia. Some of the caves visited offered more vertical nature, were colder and wetter than those we normally visit at home. Throughout the trip we used Single Rope Technique to negotiate vertical sections within the caves.

While in the Yarrangobilly region we set about surveying North Deep Creek Cave 2Y7, which appears not to have a published map up to and including the duckunders. Although we have not completed the survey, we have completed a good part of it and have gained a better understanding of the cave and its formation.

During the trip, the vice president, Peter Kraehenbuehl was heard to quote "This Bloody Karst Index is full of HOLES" referring to a lack of information or cave detail.

Peter was later heard to quote that "We are getting these late dinners down to a TEA" referring to the fact that we often had our lunch around 4-6 p.m.

The reason for the second trip title is that three members of the trip celebrated their birthdays. The first recipient was David McIntyre, who was given a surprise 30th birthday party by his wife Debra. Debra McIntyre then celebrated her nearly 30th (or was it her 21st again?) The last victim was Andrew Shearer, who celebrated his 20th birthday.

6-10 January - BUNGONIA STATE RECREATION AREA

The group arrived at the Bungonia State Recreation Area on Saturday 6th, at various times throughout the afternoon. That evening seven of the group, including Mark, Peter, David T., Andrew, Michael, Graham and Chris visited Acoustic Pot.

On Sunday 7th, Mark, Peter, David M. and Paul returned to Acoustic Pot. This time we used a re-belay in the setting up of the internal 35m pitch in an attempt to obtain a free hang of the rope, it did however allow for easier access on and off the pitch. At the same time David T. led a group, including Michael, Graham, Chris and Andrew into Fossil Cave. Later on Sunday a few people headed into Goulburn to pick up Alan who had bussed his way from Sydney. At this time Michael, Graham, Chris, Paul and David M visited Grill Cave where foul air was noticed.

On Monday 8th, David T., Peter, Michael, Graham and Chris visited Odyssey Cave. Foul air was detected at a depth of approx. 120m on the 40m shale pitch, so the bottom was not reached. The cave was left rigged for others in the group. Mark, Paul, Andrew, Alan and David M. visited Blowfly Cave, where we finally found the Razorblade Squeeze leading to the 50m Adytum Pitch. The bottom was not reached.

On Tuesday 9th, Michael, Graham and Chris visited Canberra Hole and Steam Pipe before heading off to Sydney for the night. Alan, Andrew, Paul and David M. returned to Odyssey, once they found the entrance, to retrieve the rope and tackle left there. Mark, Peter and David T. returned to Blowfly where they reached and bottomed the Adytum Pitch. Foul air was noticed in the last 20m of the pitch during the attempt. It was at the bottom of the Adytum Pitch that Peter found his Holy Grail, well a polycarbonate wine glass anyway.

Wednesday 10th, saw the remainder of the group heading for Sydney and the usual browsing through cave gear supply shops.

11-12 January - DEUA NATIONAL PARK

The group arrived at the Wyanbene camping area during the afternoon of Thursday 11th, where we decided to split into two groups. One group including Michael, Graham, Chris and Alan visited Wyanbene reaching the wet stretches. Meanwhile the other group visited Big Hole. After David T. rigged the western side of the 100m pitch, Mark, Andrew and Paul followed him to the bottom of the pitch. What an abseil in!! What a prussik out!!! Our group found the visitors book at the lookout and after reading many of the previous entries decided to return it to the 'Alcove' on the eastern side of the hole.

On Friday 12th, the two groups swapped over with Michael, Graham, Chris and Alan visiting the impressive 25 x 35m diameter, 100m deep feature aptly known as Big Hole. The remainder of the group, Mark, Peter, David T., Paul, Andrew and David M. visited Wyanbene making its way to the Jailhouse and Cleopatra's Bathhouse, where photographs were taken. At this point the groups reformed as the way on looked cold

and wet. Peter, Paul, Alan, Michael, Graham and Chris went on through the wet stretches, ending up in the Gun Barrel Aven. The others including Mark, David T., David M. and Andrew headed out looking at Helictite Chamber, Mud Chamber and Bat Chamber on the way.

The group stayed overnight at the campsite before heading to Cooma first thing Saturday morning on our way to Yarrangobilly.

13-19 January – YARRANGOBILLY / COOLEMAN PLAINS

KOSCIUSKO NATIONAL PARK

The group met at the Yarrangobilly camping area on the afternoon of Saturday 13th. Mark, Paul and David M. visited Inn Stable Cave, where a number of large painted arrows (white and yellow) were found through parts of the rock pile and further on in the main stream passage. (I don't know how one could get lost there?).

On Sunday 14th, Mark, Andrew, Michael, Graham and Chris visited Old Inn Cave to find some excellent decoration within Straw Haven. Progress beyond the muddy tubes was slow as the map and cave did not appear to correlate, so we headed out. We then returned to Inn Stable Cave where we pushed the cave to its physical known end. Michael, Graham and Mark located the entrance to Bathhouse Cave for a later visit. That same day Peter, David T., Paul, Alan and David M. searched for the entrance to Pitch Pot, but were unable to find it.

Monday 15th, saw the start of our survey of North Deep Creek Cave. Peter, Andrew and Mark headed towards the duckunders, where Mark waited for two hours for Peter and Andrew to survey beyond the two duckunders. David T., David M., Paul and Alan surveyed between the entrance, through rockpiles to near the 9m internal pitch. Michael, Graham and Chris drove to the Cooleman Plains region where they visited Cooleman, Murray and Barbers Caves.

On Tuesday 16th, Andrew, David M., Paul and Alan joined the Park manager, Neil and one of his rangers, Kevin, in a working party visit to Eagles Nest Cave system. David T., Peter, Chris and Mark returned to North Deep Creek to continue surveying near the internal 9m pitch.

On Wednesday 17th, Michael, Graham, Chris, Paul and Mark visited Castle Cave, where we all enjoyed the excellent decoration present in this old tourist cave. We then headed back to our vehicle through the self guided tourist cave, South Glory Hole Cave. Later that afternoon we visited Bathhouse Cave, where we decided to explore the upper level, this is first entered by negotiating the Discovery Squeeze, which Paul found quite physically attractive. The upper level of this cave is very sporty, requiring a lot of crawling and climbing through cold, wet and often muddy passages. We eventually located the Wiggle Woggle Squeeze when we decided to head out.

The remainder of the group headed to Tumut for supplies, upon their return they also visited Castle Cave, where Peter took a number of photographs, some of which may be used by National Parks for promotional use.

On Thursday 18th, Michael, Graham and Chris returned home while Alan, Dave M., Andrew and Mark returned to North Deep Creek to continue surveying the rockpile in an attempt to complete that part of the cave detail.

On Friday 19th, Peter, Alan and Mark returned to North Deep Creek to retrieve the rope and tackle from the 9m pitch within the cave. Upon returning to camp we continued to clean up, return keys to the ranger and bid farewell until our next visit.

We could be returning to Yarrangobilly sooner than we think to complete the survey.

Mark THISELTON

LOWER SOUTH EAST

10-11 February, 1990

PARTY: Kevin & Adrian MOTT, Eddie, Corinne & Isobel RUBESSA, Gordon (Nimble) & Ian NINNES, Kerry NINNES, Chris HALES, Jack HAYWOOD, Fred ASLIN and occasional social visitor Peter HORNE

Caves visited: L18, L31, L84

The principal aim of this trip was to install the gate on Collins Cave. It was initially scheduled for the January long weekend but was deferred to the above dates to ensure a bountiful supply of bodies. The only drawback was the ordinary weekend allowed no time for recreational caving.

Accepting an earlier invitation of accommodation from Ian Lewis we all rendezvoused at his country mansion late on Friday night. Chris and Jack were already there and asleep (?). It was either the pizza that Eddie talked me into buying or old age, but either way I let them sleep on our arrival. Next morning every one was up, breakfasted and on our way to Collins Cave by 8-30am (eat your heart out Horney). Despite this early start we didn't all arrive at the cave at the same time. Some of us stopped off at Gouldens to look at the new diving platform.

There were varied opinions as to how best to relocate some of the rubbish to give a clear working area. The application of a few principles of leverage and good luck saw the heavy stuff safely out of the way and stabilised. The remainder of the morning was spent removing all the loose debris from the entrance area.

The foundations and walls for the gate all utilised building materials dumped in the doline. The sand and cement were purchased locally; the gate being fabricated in Adelaide. By the end of the day we had completed the lower half of the gate supports and installed the gate. On the way back to the Mount, Fred, Nimble and myself stopped off to do some levelling around some collapse features. That night we joined Jan and Fred Aslin for tea at the Mount Gambier hotel. Peter Horne, down on a separate diving trip joined us later that night at Lewy's place for a social visit.

An early start was once again made on Sunday to complete the rest of the gate structure. The area around the gate structure was reinforced with rubble and the whole area tidied up. Nimble and Kerry took Adrian and Ian on a guided tour of the cave.

On the return to Adelaide we stopped off at L18 and L84 to show Nimble the two previous gates we had installed. As with this gate he had been heavily involved in the construction but on that occasion had been unable to participate in the installation

Thank you to all those who helped in any way with the design, construction and installation of the gate. It means responsible caving groups now have access to another cave.

Kevin MOTT

TECHNICAL & OTHER ARTICLES

NATIONAL PARKS NEWS

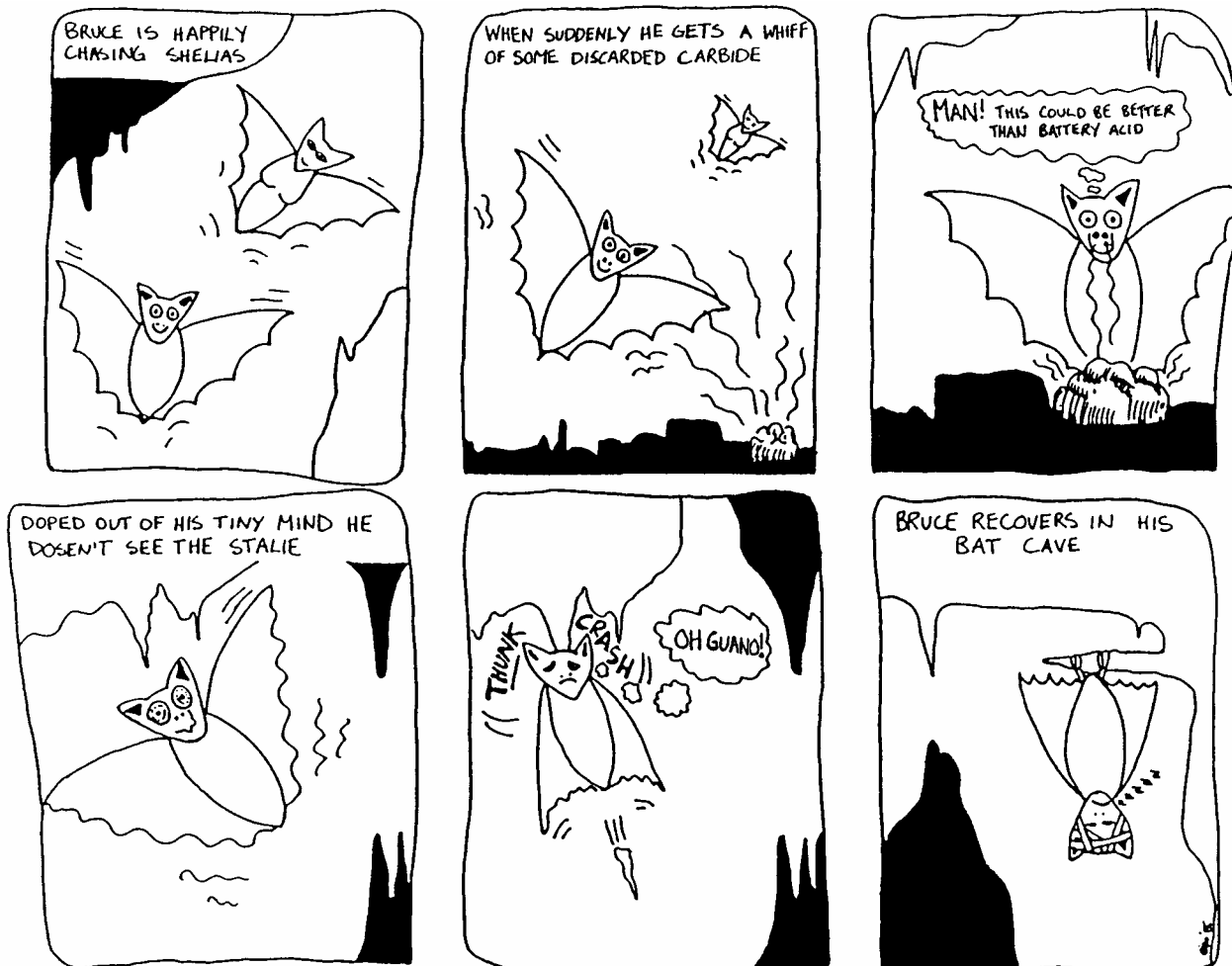
NARACOORTE

After a four year delay a second draft of the Naracoorte Caves Conservation Park **draft management plan** has been quietly released with a minimum of publicity. It is an abbreviated version of the former and is a reasonable attempt to formulate a plan. It still, however, fails to address critical issues. We have until early May to prepare a submission. Members are urged to study the document and forward comments either personally or through the Committee. A meeting is planned for Wednesday 4 April for members to discuss their views. Those who are interested are urged to attend or give Kevin Mott a submission for consideration.

FLINDERS CHASE

An entrance charge now applies to all visitors to Flinders Chase National Park. Members planning trips to Kangaroo Island are reminded to bear this in mind when planning trips to the area. The fee for a permit to enter the park is \$5-00 per vehicle per day.

THE ADVENTURES OF BRUCE THE BAT



Reprinted from SUSS Bulletin 25(2)

MEMBERSHIP

Welcome to these new members

Gary WOODCOCK
c/o P.O. HOUGHTON 5131
(H) 380 5280 (W) 226 4237

Rodney LAMBERT
6 Norman Victory Parade
SELLICKS BEACH 5174
(H) 085 56 3406 (W) 231 2850

Transfer to full membership

David WRIGHT

FEES - 1990

Fees for 1990 fall due on **1 January 1990**. If you are unfinancial a coloured disk will be affixed to this page.

Full Member	\$25-00 plus ASF Levy
Long term Associate	\$25-00
Associate	\$18-00
Family membership	\$33-00 plus ASF Levy
Reduction for Country Full	\$4-00
ASF Levy	\$7-00
Newsletter (subscription)	\$18-00 plus overseas postage

This is the **last** Newsletter under 1989 subscriptions. If you have not paid your subs - do so **NOW** to continue membership and maintain continuity of your newsletter.

FOSSIL COLLECTIONS

CURRAMULKA CAVE, 5Y1

Bones collected by Max Meth in early November from the ponding area in "Bushwalkers Tunnel", Curramulka Cave are mostly from an owl (partial skeleton) and a young bettong (*Bettongia Lesueur*, partial skeleton).

There are also some unidentifiable fragments of a larger animal, a wombat tooth and the radius (forearm) of sheep. The last is fairly fresh in appearance.

The owl bones appear, on their preservation, to be the oldest, although one bone still has tissue adhering to it. The bettong became extinct locally in historic times.

OLD HOMESTEAD CAVE, 6N83

A small sediment sample collected in October 1988 contained a large number of small bones, mostly of small animals. The following identifications are tentative.

- Lizards: jaws of a small skink (or gecko)
jaw of a small dragon (Aganidae)
tooth possibly of python
- Birds: 2 or 3 species of small bird
- Marsupials: *Sminthopsis* (?) lower jaw without teeth, upper jaw fragment with one molar, bandicoot *Perameles* (?) one molar tooth, toe bone?
- Rodents: at least 2 species -numerous jaws and other bones. *Pseudomys* sp.? *Notomys* or *Mus*.

QUOTES

Heard in Wooltana Cave - 30th December 1989

On a recent trip to Wooltana Cave the Vice President's (Peter Kraehenbuehl) future wife (Desiree) was heard to ask the following question referring to the movement of bats within caves.

"How do these bats know when to go out at night to feed?"

A reply was soon given to her that bats might have some sort of body clock!

She then asked..."What about Day Light Saving???????"

Heard recently from Krunchy when it was discovered that Corra Lynn had new owners

"There's only one thing worse than new owners - that's new rangers."

Lance - when asked if he wanted to visit K13

"What number is that?"

SOUTH AUSTRALIA'S LARGEST CAVE SYSTEM

In "Walk SA" by Derek Whitelock and Terry Lavender in "The News" of 5 February 1990 walks in the South East were discussed. The following quote is taken from the article.

"If violent vulcanism were not enough, the South East is also geologically remarkable for its thick corallian limestone strata honey-combed by deep and mysterious water flows, like Piccaninny Ponds.

Aeons of limestone erosion also created the region's famous cave system, such as the Tantanoola Caves, one of which, the Victoria Cave, featured in Sir David Attenborough's "Life on Earth" television series because of its treasure trove of fossils."

GLORIOUS KANGAROO ISLAND

During the Christmas - New Year break, Paul Harper, Deborah and David McIntyre having been bitten by K I fever in September joined Garth Jackson on Kangaroo Island for some caving. One task they were asked to do was to relocate the site of photos appearing in a 1915 publication called Glorious Kangaroo Island. They managed to relocate eight of the twelve original photo points and rephotographed them. The interesting fact is the lack of damage that has occurred in the non tourist sections of the cave. Future trips are planned to relocate the remaining photos and take current photos for comparative use. Another benefit will be that we will be able to identify some of the original named chambers.

THE GREAT CAVING LIGHT DEBATE

As Peter was disappointed that there was no response to the belay dilemma article he probably deserves some comment on "Carbide vs Electrics" - CEGSA Newsletter Vol-34 No3.

Carbide lamps are most appropriate for expedition use and remote areas where charging facilities are limited for electric systems. They are also excellent for caves with a high percentage of walking passage. Electric lamps are most useful in small, low caves, particularly low well decorated (especially straws) systems as there is no chance of 'smoking' the decorations due to a poorly adjusted flame. These lights also excel if a duckunder is required or if continual water spray is going to affect an acetylene flame.

A major problem with carbide use in the past has been the disposal of spent carbide waste into the cave environment. This practice, well evident in some caves such as Kubla Khan in Mole Creek is unacceptable within the new ethics for the use of natural areas for recreation. The carry it in, carry it out, or minimal impact philosophy applies as much to carbide fuel as to other waste such as food wrappers. Lyon (1983) and Warild (1988) both mention the use of inner tube "carbide bananas" which can be used to transport both fresh or spent carbide. Such practice, if followed, could help to dispel the total ban on carbide lamps in areas of national parks where the previous and long standing 'irresponsibility' of cavers has been in part due to a differing code of personal ethics (what has been termed the "burn, bash and bury" use of natural resources).

For extended caving trips to national parks which are remote or lack access to electric charging systems for park users, in this case cavers, a total ban on carbide use can not be supported as an appropriate management strategy. Rather, a code of carbide usage requiring such conditions as removal of all carbide from the caves and appropriate disposal well away from the cave drainage areas, ie: not dumped in the park outside the entrance, provide a workable alternative to blanket bans. Even in more accessible cave systems, special purpose extended work conditions such as detailed surveying, exploration or paleontological digs may be better served by a carbide light which can be recharged for caving trips longer than ten hours in length. The Carbide vs Electrics debate is therefore one of appropriateness to the situation.

For a beginner an electric system with its ease of use is unrivalled. The standard progression at present seems to be from hand held torch to a rechargeable headlamp eg Petzl Zoom, then to a rechargeable system such as the Speleotechnics, a miner's light or similar system, eg home-made. Electric systems are universally **THE STANDARD** caving light source suitable for the majority of Australian cavers. Carbides are better suited to cavers likely to visit remote areas eg Mount Anne, the Nullarbor on an expedition or on special purpose trips. These are more for the die hard caver who probably owns several lighting systems anyway! Then for those who want an each way bet on such trips the Petzl Lazer mixed light system (a quartz halogen dry cell torch plus the carbide lamp in the one unit) is worth a look, and it certainly gains high marks on the gear freaks ratings.

Krunchy

Safety & Training Officer 1989

References

LYON Ben: Venturing Underground, EP Publishing, West Yorkshire 1983

JUDSON Ed.: Caving Practice and Equipment, BCRA, London 1984

WARILD Alan: Vertical, Speleological Research Council Ltd, Broadway NSW 1988

INDEX TO VOLUME 34

Volume 34 contained the following issues

34(1)	April 1989
34(2)	June 1989
34(3)	September 1989
34(4)	December 1989

Key to the abbreviations used in this index

B	Biological	Bo	Botanical
D	Description	Di	Diving
E	Exploration	H	History
M	Map	P	Photography
Pa	Palaeontology	S	Surveying
Sc	Scientific	SR	Search & Rescue
To	Tourist	W	Work

The index is divided into the following categories

Caving activity by region
Technical and other articles

Caving activities are listed by Cave number, newsletter reference, author and activity.

Technical and other articles list the title of the article, newsletter reference and the author.

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Flinders Ranges

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F11	34(3) p43	P Horne	Di, S
	34(3) p45	P Horne	M

Kangaroo Island

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K5	34(2) p33	K Mott	E, S
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K9	34(2) p33	K Mott	S
K16	34(2) p33	K Mott	E
K52	34(2) p33	K Mott	E
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Yorke Peninsula

Y	34(3) p46	C Hales	E
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	34(2) p27	C Kennedy	E
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PROGRAMME

MARCH

31 - 1/4

Corra Lynn Cave

Graham Pilkington

APRIL

7 - 8

11

COMMITTEE MEETING **7-30 pm**

3 Harcourt Road, Payneham

14 - 16

Monbulla / Avenue Range

Kevin Mott

21 - 22

25

GENERAL MEETING **7-30 pm****Fossils**, Neville Pledge

28

Corra Lynn Cave

Graham Pilkington

MAY

5 - 12 *

Narrina Lake Cave

Peter Horne

5

Punyelroo Cave

Mark Sefton

9

COMMITTEE MEETING **7-30 pm**

36 Norman Street, St Marys

12 - 13

19 - 21

19 - 27 *

Kangaroo Island

Peter Horne / Kevin Mott

23

GENERAL MEETING **7-30 pm**Greenhouse Effect
Grant Gartrell

26

Corra Lynn Cave

Graham Pilkington

JUNE

2 - 3

9 - 11

Naracoorte

Mark Sefton / Max Meth

13

COMMITTEE MEETING **7-30 pm**

Murray Road, Inglewood

16 - 17

23 - 24

27

GENERAL MEETING **7-30 pm****Knot that Knot**

30 - 1/7

Jan 1991

ASF Conference, Margaret River, WA

Tasmania

David Trehearne

Check with Membership (Liaison) Officer for any additions or alteration to the programme.

* The facility exists for members who can not attend the full trip to take part in a portion of the trip.