



NEWSLETTER

Cave Exploration Group

South Australia

C/O SOUTH AUSTRALIAN MUSEUM NORTH TERRACE ADELAIDE

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THE DIG, FOSSIL CHAMBER
VICTORIA FOSSIL CAVE
NARACOORTE, S.A.

C . E . G . S . A . N E W S L E T T E R

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E D I T O R I A L

I am numb. Not all over fortunately, just from the elbows down to the finger tips. The reason? A weekend jack hammering in the Victoria Fossil Cave. The project to open up the Southern Extension which will almost double the length of the tourist section, and will provide a walk through trip for the tourists, has at last got under way. Initially, the project was late in starting because the two jack hammers ordered by the National Parks and Wildlife Service were not delivered on time. Unfortunately, the project is now running late for two further reasons, firstly, the unexpectedly high proportion of very hard limestone so far encountered and secondly, a lack of volunteers to do a little honest toil. The outcome is that the N.P.W.S. are now concentrating on completing the updating of the existing tourist section by Christmas, the original target date for the whole project and the new section to be ready by Easter. This will mean that another peak holiday season will see the Victoria Fossil Cave tourists having to be taken in parties by a guide to see the fossil dig and then brought out again before another party can enter.

Regarding the lack of volunteers, so far about 24 CEGSA members have been on the project, which is about 25% of the membership, this doesn't seem too bad, until it is realised that only a handful of these have been more than once. Admittedly, work, study, etc, prevent some members from volunteering as often as they would like, but this is all the more reason why those who can, should come along and help the group fulfil its part of the contract with the N.P.W.S. I would hate to see this project drag along like the recent ladder making marathon, supported only by the same faithful few. So come forward you laggards, then you will be able to flaunt your blisters at the next meeting!

To another matter, this issue contains among other delights, a report by Jim Cundy and one from Ian Lewis. Jim's report deals with recent efforts to remove muddy footprints and dust left by careless cavers on the flowstone in Strawhaven, Victoria Fossil Cave and Ian's includes the very conscientious efforts by a party of W.A. cavers in Crystal Cave who covered flowstone with plastic sheeting for its protection, before reporting the discovery - obviously, it is easier to keep a cave clean than to clean it. Unfortunately, those who do the dirtying are invariably not the ones who subsequently have to do the cleaning. I hope that once Strawhaven is clean, cavers will follow Jim's pegs and advice and keep it clean. Some time ago, discussion took place regarding the placing of a gate in the flattener between the Great Hall and Strawhaven. Is this still a live issue? Or dead duck? I suggest gating should be seriously considered, as access to Strawhaven, since the route to the Great Hall has been opened up, is now very heavily trogged, otherwise it will inevitably end up like Robertson's Cave.

ED. BAILEY.

Quote of the quarter,

"Gee this stuff is as hard as a rock!"

Max after using jackhammer in Victoria Fossil Cave.

TRIP REPORT - VICTORIA FOSSIL CAVE - July 17th - 18th

PARTY: J.G. Cundy, R. McDougall, M. Meth, J. Burke, T, Burke.

The purpose of this trip was to begin work on restoring and preserving "Strawhaven" in Victoria Fossil Cave. There are three parts to this programme.

- 1) To place marker tags in Strawhaven to indicate the path.
- 2) To clean up the existing dirt and mud in Strawhaven before it becomes "cemented" into the decoration.
- 3) To deepen an already existing flattener area and connect it to the S.E. end of North West passage, hence eliminating the need to travel through Strawhaven.

All of the above parts to the programme were attempted and I'll report on each in the order above.

- 1) A path was laid out along the lines of one existing 'path' which contained virtually no decoration. This path allows people to see nearly all of the chamber. The path is marked by wooden pegs with reflector tape attached. These pegs can be easily removed if anybody wants to take a photo. I would like to plead with all cavers to please follow this path carefully and look after the marker pegs.
- 2) The process of cleaning up the flowstone was undertaken using only water, a stiff bristled brush and a large garden syringe. The latter could hold about 250 mls, of water and acted rather like a large water pistol. Using these devices we could satisfactorily shift 99% of dirt. Unfortunately we could only wash it down a crack in the floor or to another spot where it was less conspicuous. The result was that some areas could not be satisfactorily cleaned, i.e., small crystal pools. The areas of flowstone which had to be scrubbed to remove dirt appeared to lose their shine and took on a dull appearance. This was not easily visible and the two surfaces (untouched and scrubbed) need to be compared to notice it, however, it does mean that by cleaning we cannot restore flowstone completely. Time, however, will tell if the shine returns.

The cleaning operation was not completed and only part of the main path through to North West Passage remains.

- 3) The new tunnel to the North West Passage is about half completed, and by following the existing flattener, the dig is heading in the correct direction. It should be only a matter of one to two days work to complete this tunnel.

With the completion of the tunnel to North West Passage the remaining sections of Strawhaven can be cleaned. Provided people use both common-sense and the marked path, the chamber should remain, as it should have been from the beginning, clean.

JIM CUNDY

TRIP REPORT - NARACOORTE - July 24th -25th.

PARTY: J. G. Cundy, R. Mettam, B. Chapman, A. Chapman, A. Townsend, M. Tyszta, D. Yardley, P. Richardson, and C. Waldron.

All of the above names are foreign to you (I hope you at least recognise mine) as they are mainly teachers from Coomandook Area School.

On the weekend of July 24th - 25th I took them to Naracoorte to initiate them into the ultimate world of caves. During the weekend we saw Victoria Fossil Cave, Alexandra Cave, Blanche Cave, Beekeepers Cave, Cathedral Cave, the bats coming out of Bat Cave and also tried some abseiling into Cathedral Cave.

I'm pleased to report that everyone enjoyed themselves (in spite of complaints), everyone went through the Beekeepers crawl (in some state of undress), everyone appreciated the caves (even the small bits), everyone suffered (cuts and bruises to prove it), everyone enjoyed getting grubby (proof by smell) and everybody would like to go caving again (after they've recovered).

JIM CUNDY

MEMBERSHIP REPORT

I'm very pleased to report that we have a general upsurge in membership and we welcome the following Associate members:-

LINDA WHALEY	DAVID WRIGHT
ALLEN MILES	NIGEL LECKIE
ROBBIE BRAY	JOHN BIRKS
DARIAN LECKIE	RON ALLUM & ROBYN ALLUM

We also welcome GORDON PETERSON and TIM BURKE to the ranks of the Full Members.

Although still few in numbers it is still pleasing to note that we have more girls joining the Group. Maybe we could organise all girl trips in the future!

DOT PEISLEY

TRIP REPORT - NARACOORTE - Long Weekend 8th - 12th October.

PARTY: The Peterson Family, K. Blenkiron (Biology teacher) and nine Year-10 Students from the Oakbank Area School, Oakbank.

Wednesday evening (29th Sept.) we were hit with the staggering news that son Robert had organised a party of nine students to attend a camp at Naracoorte, to take place on the forthcoming long weekend. Nothing else - just that nine students were coming - no school approval let alone parental approval! So like all good parents trying to bridge the generation gap, we worked until the wee hours of the following morning preparing an appropriate notice to the parents involved and also one for the school, outlining the purpose (?) of the trip,

travel arrangements, sleeping accommodation, food, cost, clothing requirements etc. etc., and would it be possible for a teacher from the School to accompany us.

Our sincere thanks go to Mr. J.K. Jackson (Head of said School) who gave us his consent and complete co-operation in organising the camp (at such short notice) and to Mr. Kingsley Blenkiron who kindly offered to accompany the group.

As all the students involved were taking part in a 'Drama Night' at the School on Friday (8th) evening, it was decided that I would depart Friday morning with Robert and Andrew, laden down with all the camping gear including food, tents, sleeping bags, blankets etc. etc., set up camp and await the arrival of the others, who were being squeezed into two small cars. They rolled in at approximately 1.30 a.m.

The caves visited (in order) were:- Blanche Cave, Alexandra Cave, Tomato-Stick Cave, Specimen Cave, Appledore Cave, Wombat Cave, entrance to Blackberry, Victoria Fossil Cave and Fox Cave. I am very happy to say that no injuries were sustained on this trip (not even minor ones). The very last cave visited was Robertson's.

Once again our thanks go to Ed. Bailey who gave the students an impromptu lecture on fossils etc. and to Graham Pilkington who also gave them an impromptu lecture on the meaning and the aims of CEGSA. Both lectures were very informative and very well received.

The whole camp was a tremendous success and the students, apart from a little boisterous behaviour around the campsite (due to normal youthful exuberance), were a model group. In fact they were such 'beaut' kids that Gordon and I would not hesitate for a moment in taking them all again. To those people who think that 'teenagers' are irresponsible, disrespectful, and destructive, then I would like you to meet 'my teenagers' who proved to be the complete opposite. I'm very proud to know that my teenage son has such fine friends. I'm sure that each and every one of them gained valuable knowledge and experience but most of all, they realise the reason for cave preservation. A very good example of this was found when the group visited Robertson's Cave where they discovered trees within the vicinity had been cut down to make 'steps' into the cave and the remainder had been used to light camp fires within the actual cave. The cave floor was littered with refuse and human excreta and the ceiling was heavily charcoaled. I believe the group responsible were a Boy Scout Adventurer Troop.

Our group were shocked and very disappointed to see this terrible mess in Robertson's Cave, it was a sort of anti-climax to the whole trip. But on the other hand, perhaps it served its purpose. At least they know the difference between a 'clean' cave and a 'dirty' cave. Is it possible for the Committee to come up with some concrete action to help prevent this sort of destruction? I really hope so because I'd hate to see other caves in the area despoiled like Robertson's.

JAN PETERSON

P.S.

Quote of the camp - "Oh golly gosh, what providence" "

CAVING IN THE WEST (IS THE BEST!)

Just about everyone in the Group would by now have had a verbal blast from those 3 dashing Speleos, Jim Cundy, Kev Mott and Ian Lewis who recently "did" Western Australia in a lightning speleo-raid on the State of Excitement in August. Therefore you will have generally heard, in addition to the caving activity, about the following miscellaneous topics:- pademelon throwing on the Nullarbor; Hay St, Kalgoorlie; navigating hazards in Perth; the naval battle of Loch McNess; Lewis's pyjamas; the Gloucester "Tree-In", the suitability of Karri trees for abseiling and jumaring practice; the Bunbury Timber-workers shirt; and the Pemberton Brothel-Sneakers ... and we must not forget the great Albany Icebreakers Swim.

The purpose of this article, however, is not to enlarge on the above trivia but to present to you, here in South Australia, our collective impression of caving in W.A. I hope I can convey to you just how different life is from our own little limestone patch, and if you can detect a faintly disinterested view of S.A. caves, you would not be far wrong. We are no longer impressed with the local product!

GEOLOGY: Most of Western Australia's Caves occur in a loose white limestone called "Aeolianite", the name given to rock formed by consolidated sand dune material. However, it is worthy of note that the sand dune material consolidates well before it becomes "rock-hard" and it is quite common to be able to scrape the walls or roof and peel off large lumps of damp sand or the odd boulder. The Caves of Kangaroo Island are formed in almost exactly the same type of rock, which because of its lack of "hardness" is riddled with weaknesses, joints and cracks etc. It follows that in higher rainfall zones, the amount of seepage coming into the cave from the surface through these weaknesses is high, and the abundance of decoration in the W.A. caves illustrates the point clearly.

We visited a total of 17 caves and dolines:- 2 at Yanchep north of Perth, 7 in the Margaret River Area in the South-West and 8 on the Nullarbor.

YANCHEP is a small pleasure-resort-cum-retired-homes village 40 km. north of Perth on the coastline. Several kilometres inland and adjacent to Loch McNess (a shallow fresh-water lake) is a Government Recreation Reserve with 2 tourist caves -- Crystal Cave and Yonderup Cave. In the immediate area there are at least 300 other caves known to the Western Australian Speleological Group (WASG), the bulk of these caves are small and relatively uninteresting as they are of the order of Little Victoria or Appledore Caves.

Yanchep Crystal Cave revealed a startling lack of crystals and some strange and wonderful formation referred to as "concrete columns". These were several metres high and nearly 1 metre across, supporting large sections of roof which could charitably be described as "meta-stable" (see comments in Geology Section). Pikkies were taken of the Crystal City -- day, evening and night lights -- which was an attractive display of decoration rather skilfully and subtly lit.

The 3 males in the party (we had picked up 2 females by this time for purely public relations reasons) then did a quick splash through Water Cave, appropriately referred to as the "W.C.", simply to demonstrate to the WASGites that we were made of tough stuff!

THE SOUTH-WEST: YALLINGUP - MARGARET RIVER - WITCHCLIFFE.

This is WASG's prize area and show-piece. It was more than enough to leave CEGSA's representatives staring and gibbering with mouths agape at the contrast between W.A. caves and our own, which are in roughly similar rock. The following caves were visited ... Easter, Crystal, Strong's, Giant's, Lake and Yallingup Cave (tourist caves) and several other dolines and odd holes.

EASTER CAVE is the most abundantly decorated cave we had ever seen. If you collected all the decoration in the caves around Naracoorte and put it together, this cave would have more than the total! We dropped down a 10m pitch (quicker than laddering!) into a large sand collapse chamber and wandered off down the slope past a roof full of decoration, which we were assured was "only rubbish" compared with further in, and to our amazement they were right. Further into the cave are many chambers of beautiful white decoration, showers of straws and some breathtaking clusters of helictites quite equal to Blackberry Cave but in far greater quantity. Coming out at the end of the trip we had difficulty in stifling a yawn at the very ordinary pretties in the entrance chamber -- pretties that S.A. would be more than proud to own!

The cave is similar in layout to Victoria Fossil Cave with many circular collapse chambers interconnected by stoop-height flatteners which themselves are richly decorated and upwards of 20m wide. One of these flatteners called "The Duck" was half full of water and we were obliged to crawl through it, getting soaked, to see the inner reaches of the cave. When it was first discovered, "The Duck" was actually full and the lucky trogs had to do a spot of roof-sniffing to get through -- brave fools!

Life would be a lot easier for the survey teams if they could use an RDF throughout the cave system which is ideal for it. However the surface is covered with Jarrah Forest and an undergrowth of thick shrubs etc, 3m high and which grows like blazes. In fact a darn good blaze (i.e. bushfire) is about what would be needed to clear the area enough to get theodolite sights, but such opportunities are rare! Cave searching in the South-West peaks at times when bushfires go through, exactly the same as CEGSA does on Kangaroo Island. Easter cave is very well gated to protect its contents and a "Caves Access Committee" operates between the 2 W.A. caving groups to ensure a control of activities there.

CRYSTAL CAVE has a deep doline entrance out in the forest which drops into a large chamber with a very extensive silt pile. Most of the cave is a typical stream passage with dipping strata in the walls and a great deal of the "barely consolidated" type of sandy roof. We strolled casually down the main passage along the edge of a wide shallow stream which eventually trickled under a large rock-pile. Abruptly the rock-pile vanished upward into a very large chamber which closely resembled that of Tantanoola Lake Cave, minus the water, and had the same kind of crumbly wall material.

The WASG people weren't particularly impressed with this chamber but Jim managed to take a multi-flash photograph showing a whole wall of decoration that was not obvious by helmet lights alone.

On the edge of the chamber is a very effective gate protecting the small but exquisite "CHRISTMAS STAR EXTENSION" -- the pride and joy of West Australian Caving. An awkward short squeeze (almost Mott-proof) leads to a chamber area about the size of the Fossil Chamber in the Vic and the chamber next to it -- not a large area at all. However the entire section is covered with clear white decoration of every type:- thick flowstone, dog-tooth spar pools, columns, straws, and BRILLIANT HELICTITES. Yes, dear reader, they are more ornate and abundant than the displays in Blackberry Cave, although in several places we saw helictites growing horizontally or upwards at various angles for lengths of nearly 60 cms. (2 feet!). In some cases the direction of growth was parallel to the roof but just not quite touching it — quite incredible.

Plastic sheeting has been laid all over the flowstone and water containers provided to wash your hands and feet to prevent the slightest staining of the white calcite -- this appears to have worked very well as I couldn't see any discolouration on the paths at all. The cavers who discovered the extension several years ago immediately realised the brilliance of what they had found, and didn't even mention the discovery to WASG until they had installed the plastic sheeting etc. -- an outstanding example of restraint and awareness that all future discoverers should note.

Perhaps the most dazzling feature of this extension is a section a little further in where several clear-water pools can be found in pure white dog-tooth-spar encrusted flowstone. At various points the 10cm thick flowstone overhangs the pools and one can see rich displays of the spar crystals on the underside. The decoration is prolific and well merits the strict supervision that the Caves Access Committee maintains over trips into the cave.

We would like to publicly thank WASG for allowing us this great privilege, as visits to the Christmas Star Extension are rare and select. All 3 of us felt that we had been able to see one of Australian caving's most unique features, and were very impressed with the provisions made for the safety of the decoration.

STRONG'S CAVE was our favourite, however, despite all the caving goodies we had already seen. I have mentioned elsewhere that in our opinion the Western Australians on the whole didn't seem to appreciate the aesthetics of general cave formation if there was a lack of decoration, as we were taken past several classic caving features on our way to excellent pretties displays. Strong's Cave contains the World's Longest Straw (official) at 6.25 metres (20'-6") in the far end chamber, but we were actually just as much impressed with the general layout of the typical stream passages.

Actually this cave has a good mixture of everything including decoration and the culmination in the Giant Straw Chamber is very dramatic! The straw itself is 15m up in the roof hanging amongst a patch of very fine tree roots that render it rather inconspicuous until someone points it out. There are several other paltry 4 and 5 metre straws near it which one simply ignores. The "G.S." was measured with a sextant by a party which had to clamber up a rock-pile 15 metres away to take sights, and the base-line Charlie had to wait for 90 minutes for the Giant Straw to drip so he could locate the actual point directly underneath it!

At the risk of contradicting my earlier statement, I will just take another line or two to rave about another piece of decoration called the Judge's Wig -- a massive "Flowstone-Shawl-Tite" estimated to weight a couple of tonnes that hangs from a very small anchor point on the ceiling. No one dares touch it, but you can stand directly underneath it and look up into a cascade of shawls and calcite folds that look good enough to eat. This little beauty is the object of WASG's Newsletter cover and letter-head, and rightly so.

GIANT'S CAVE is different again to the others listed above. In fact we saw a good range of cave types during the few days available, and this last one had a few surprises of its own. It certainly is a Giants Cave, with chambers as big as the Nullarbor Caves and rock-piles that just don't seem to stop going up into the roof! Jim took one photograph in which the 2 trogs appear as small as insects and can only be spotted by their shadows on the wall behind. There is a flat-floored passage which is particularly large, and which could accommodate an oval, and another which took about 12 mega-blitz flashes to light up adequately.

However the ULTIMATE feature was the Drip-Holes. At one point in the roof, water has been dripping steadily into a particularly soluble floor and has eroded mini-solution tubes about 10cm in diameter. Not really thrilling, until you consider that the deepest so far measured is 15.8 METRES deep (52 Feet!) and there are about 200 of these things, hardly any of which have been plumbed yet. WASG went in one day with fishing lines to measure these to add variety to the trip, and these also may be some kind of national record.

CONCLUSION

There are so many items of caving interest that we found, that I have not mentioned that I could very easily treble the length of this report. Besides all that, there are many aspects of the trip above ground that would be of great interest but cannot be fitted in, and a report of Nullarbor discoveries would be relevant as well. However, I hope that the above detailed summaries give you all a much better idea of the kind of caving activity that exists over in the West, and encourage you to look around Australia's caves when the opportunity arises. I may appear to have dwelt on "biggest", "longest" or "best" attributes of the caves but this is unavoidable when we were shown the best WASG had to offer. Had it not been for the willingness of WASG members Ros and Ray Hart, Jeanette McLaren, Anne Wilson (expatriate CEGSA), Kerry Williamson and Dave ?, our experience of South-West caves would have been a much reduced one.

We can only conclude that we have seen South Australian caves have the thrashed off them and personally I doubt if I could look a Naracoorte Cave straight in the eye again!

IAN LEWIS

(Plus Kevin Mott and Jim Cundy)

EDITOR'S FOOTNOTE

Reading the near treasonable article above, has persuaded me not to visit the W.A. caves, as I do not wish to return to S.A. all twitter and twisted. (It will be many years before I'll stoop so low as to type that one again! Typiste.)

TRIP REPORT - OAKBANK SCHOOL CAVING TRIP - CAMP NO: 1.

PARTY: Mr. K. Blenkiron (Chiefy), Hoopy, George, Speohry, Goodey, Dick, Greg, Robert, Salami, Tumbleweed and Andrea.

After the 'Drama Night' at School the party left with high spirits and kaleidoscope faces of make-up. Transport consisted of six in one Corolla and four in the Hillman. At destination, everybody stumbled wearily out of cars and was glad to hit the sack after a rejuvenating cup of coffee, but due to unforeseen circumstances (no comment) and excitement the night turned out to be quite eventful.

Morning, Day 1: After reconnaissance of the area and customary treatment to one another's tents, bar one, breakfast was made. After camp chores were eliminated, everyone got trogged up and went for a gruelling half hour trip into Blanche Cave, next on the agenda was Alexandra then Tomato-Stick where the girls then had a helmet full of cute little frogs.

Due to the liberated feelings of the girls, with the males absent, tents were ransacked and reorganised under the supervision of Mrs. Peterson. Feelings then high among the boys, the Mafia was then in progress. That night when the moon was full, strategic positions were taken up in the grass under the supervision of Chiefy. The girls returned and stumbled into a fully fledged ambush.

2nd day of caving. Wombat, Blackberry, Appledore, Specimen and Victoria Fossil Cave were given the once over and a spot of jack-hammering was attempted in the Vic. The following events during the day and around the campfire do not warrant any explanation into student behaviour.

3rd and final day of caving consisted of a lightning trip into Fox Cave and Robertson's Cave which occupied a day of enjoyable caving. As the cars drove off into the setting sun we left the caves behind, with moments of gratitude and presentations of gifts, our happy way home we did find.

R. PETERSON & M. SCHLATTER.

P.S. Camp sayings:- "Oh golly gosh, what providence ... (George)
Tumbleweed (Annette)
Hell! Am I stupid! (Robert)
Salami (Mike)

CAVE EXPLORATION GROUP (SOUTH AUSTRALIA) INC.Programme for November 1976 to January, 1977NOVEMBER

6th – 7th	Naracoorte (L) A. Jackson or G. Pilkington	Special Project
Wednesday 10th	Committee Meeting 8.00 p.m.	31 Lutana Cres, Mitchell Park
Sunday 14th	Cape Jervois (L) Dot Peisley	Surface search
20th – 21st	Naracoorte (L) A. Jackson or G. Pilkington	Special Project
Wednesday 24th	General Meeting 8.00 p.m. Museum Lecture Room	Grant's marathon talk on U.S. caves and other trivia!

DECEMBER

4th – 5th	Naracoorte (L) A. Jackson or G. Pilkington	Special Project
Wednesday 8th	Committee Meeting 8.00 p.m.	31 Lutana Cres, Mitchell Park
Saturday 11th	Annual Dinner at 31 Lutana Cres, Mitchell Park Starting at 7.30 p.m. - cost \$5.00 per swallet.	
Sunday 12th	SRT Field Day, Reynella. This is laid on especially for CAVCONACT attendees to brush up on their SRT.	
27th onwards	Naracoorte	Exploring, digging etc, take your 'pick'.
27th – 30th	CAVCONACT, ANU, CANBERRA, 11th Biennial Convention of the Australian Speleological Federation.	

JANUARY

30th Dec – 13th Jan	Kangaroo Island (L) Grant Gartrell	Exploration.
Wednesday 26th	General Meeting 8.00 p.m. Museum Lecture Room	Post Xmas trip slides and reports.
29th – 31st	Glenelg River (L) G. Pilkington	Exploration.

TRIP CONTACT LIST

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Dot Peisley,	23 Dorset Street, Brahma Lodge - (h) 258-9917 (w) 262-2521
Grant Gartrell,	45 Marlborough Street, Brighton - (h) 298-2203 (w) 259-6298

SEARCH AND RESCUE

Kevin Mott,	23 Harcourt Road, Payneham - (w) 227-2704
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