

CAVE EXPLORATION GROUP SOUTH AUSTRALIA Inc.

P O Box 144 Rundle Mall, Adelaide 5000

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N E W S L E T T E R



CAVE EXPLORATION GROUP SOUTH AUSTRALIA INCORPORATED

MEETING PLACE: 4th Wednesday of each month at 7.45 p.m. in the
Royal Society S A meeting room at the Museum

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DEADLINE for articles for Vol 32 No 2 is Wednesday 26 August 1987

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 articles in this issue of the newsletter all seem to exude an air of enthusiasm and optimism. Trip reports tell of new and exciting discoveries, some even relatively close to home. These new finds have not appeared through some conjurers' illusionary trick - they have always been there waiting to be discovered.

In the past few years it seems we have been in the trough of a bio-rhythmic curve. We now seem to be approaching the crest again. This is even reflected in meeting attendance which is increasing as is the member participation at the meetings. So those who can not attend meetings are not left out in the cold a summary of what takes place at meetings will be included in the newsletter.

As many of the newer members gain knowledge of different caving areas and feel confident to lead trips our presence will be increasingly felt again. We need to maintain this high profile to keep abreast of what is occurring around us. By constructively voicing our opinion we can play a devil's advocate role to preserve our caves so all may freely enjoy them now and in the future.

In struggling to find the ideal solution to the management of the cave resource there are two opposing views. On one hand, there are those who would like to close every thing and control the resource by restricting access to those who can afford to pay for the pleasure. The opposing view is that there should be free and unrestricted access. This lobby is often quite vocal in expressing their viewpoint.

Active, responsible caving gives us the practical experience to make valued judgements and guide both parties to a policy that is equitable to both the cave environment and those that enjoy and use it.

Kevin MOTT

TRIP REPORTS

SALT CREEK CAVE - 5A4

3 January, 1987

Party: Colin McRAE, David WRIGHT and families.

On Saturday 3rd January, David and myself were walking from Cape Jervis to Rapid Bay along the coast only to discover a series of caves along the way; one being, as we found out later to be Salt Creek Cave. This is a very old, badly VANDALISED cave which doesn't appear to have been mapped. Because of the fact that we didn't have equipment we returned later with lights. The single chamber leads to a restricted dig and has possibilities. Next to this cave is a much smaller single tunnel leading to debris and silt, also with possibilities of going on.

Colin McRAE

NARACOORTE

26 February - 1 March, 1987

Party: Colin McRAE, Bart JANSEN, Sue SCOTT and 9 teenagers from C.I.T.Y. South

Project: Renovate and improve the walking track in "The Gallery" section of Tomato Cave

Caves visited: U3, U8, U10, U11, U12, U58.

Because of the success of the caving project of '86 with Maranatha campsite cavers, in which Brent Golledge, myself and 12 teenagers worked in Blackberry Cave removing the old gate and generally tidying up the U8 entrance area, Community Improvement Through Youth (C.I.T.Y. South) decided to do similar. Our team chose "The Gallery" section of Tomato Cave.

All but Bart and myself had no experience in caves so we tackled the usual caves to build up skills. These were Stick Cave (up to "The Gallery") on the first night to point out the work area and get used to the double darkness, laddering and belay techniques, Wombat Cave and Blackberry Cave (U8 - U9 entrances). Some of us returned later at night to visit the Butterfly Extension. Cathedral Cave was the test of improvement.

I felt that everyone was ready for a long spell in Tomato Cave so we went to the entrance to pick up the necessary tools dropped off by the ranger. It was quite a shock to see Tomato Cave's entrance cluttered up with a steel staircase, having considered the entrance to be useful for ladder training in times gone by. Putting my thoughts aside the team did the task and all were satisfied with a job well done.

We finished off a good four days at Naracoorte with Alexandra tourist cave before setting off into the sunset with dreams of returning very soon.

Colin McRAE

NARACOORTE

20 - 21 March, 1987

Party: Sonia TUCUN, Dennis THAMM, Tony COLHOUN

Caves visited: U132

We arrived at the Naracoorte caravan park on the Friday night and had a midnight feast of crumpets, metwurst and cheese. Next morning we drove out to Mr Biggin's property to ask for permission but he was nowhere to be found. We eventually located him in a woolshed down the road a bit.

All was well with him and we proceeded to **SOS**. I went down the ladder first, finding it quite a tight squeeze (even for me) opening into a large chamber. Tony then led the way, taking Dennis and me through a disgusting little passage called **Aussie Crawl**. We followed on, coming to a large sand cone where Dennis stopped for a photographic session. From there we squeezed through another passage into an interesting chamber with black stuff on the walls (I don't know what it's called !) and large calcite flakes over the floor. We pushed on and came to another chamber where we had a little sleep. By this time we had been grovelling in the cave for about three hours. I decided I had had enough. Tony muttered something about a hamburger so we all proceeded back to the entrance.

It was here that Dennis decided that the three foot brown snake we had found should be rescued. The snake however, had other ideas, so we left the ungrateful creature there.

Next morning we didn't do any caving but had a nice walk through some bush near **Robertson Cave**. Then after three large thickshakes (*Each? - Ed*) we started on the journey home. It was a pleasant trip, thanks Tony.

Sonia TUCUN

NARACOORTE

3 - 6 April, 1987

Party: Colin McRAE, Darryl PETERS, Trevor FINNEY, Bart JANSEN and Christies Beach High School year 12's

Caves visited: U10, U11, U12, U14, U47, U58

Christies Beach High School year 12 teachers had invited me to their yearly camp at Naracoorte. I readily accepted.

A carefully selected group of students were chosen to attend this camp and were given abseiling instruction after school, prior to the camp. A bus from the school was provided and on Friday 3rd at 1-30pm we headed off. After hours of laughter, singing and sleeping we arrived in Naracoorte at tea time. The Pizza Bar chosen, we filled the shop to eat. Bart and I shared a "Mexican" which burnt at both ends and were the subject of jokes for days. We arrived at the cave grounds and put up tents that would be "home" for the next three days.

In **S102** the eastern sump water level was lower than in 1983. Then, I tried to free dive but now you can sniff the ceiling through. **Brown Snake Cave** has changed in the black chamber; the decoration is shorter than it was in 1984.

This group of teenagers were the best behaved and most hard working I have seen and a good time was had every minute. I hope to be invited next year. The weekend ended with the writing of a song of the events which was sung on the way home.

Colin McRAE

SELLICKS HILL CAVE - 5A5

25 April, 1987

Party: Colin, Stephen, Cheryl & Carolyn McRAE and John CALISON (Deputy Controller Noarlunga SES)

The CEGSA ladder in the cave is in good condition with minimal rust on the C-clips. The trace is protected by plastic coating. A continual drip of water above the ladder makes the surrounding area very messy.

Colin McRAE

KANGAROO ISLAND

15 - 26 April, 1987

Party: Grant GARTRELL & family, Chris HALES & family, Jack HAYWOOD, Kevin & Adrian MOTT, Peter HORNE, Lee DIXON, Fern RAINTREE, John, Lorraine GIBSON, Mia THURGATE, Julian BORDAS, Garth JACKSON, Sue ASCHE, Catrina.

Caves visited: K1, K11, K14, K17, K20, K21, K24, K25, K35, K36, K37, K51, K52, K55, K56, K59, K60, K61, KH7, KH8, KH15 - 24

People began arriving on Thursday, first the Gartrell family, Garth, Fern and John, Lorraine, the Hales tribe, Jack Hawood, Sue and Catrina, the Mott mob, Peter and Lee, Mia and Julian; in all there was twenty four of us.

We arrived pm on Friday to find Grant and Garth busy re-arranging the **Cider Cave** entrance, a ploy to catch Peter Horne but more of that later. Later that day two groups visited **Silt Cave** and came out through the tourist entrance.

On Saturday a group of ten visited **Frosted Floor Cave** for an easy look about that lasted about four hours and finished with a grovel out in the smaller section of the cave. Everyone enjoyed this and we had to promise to come here again before the weekend finished. Later that day Jack, Mac, Ryan and I entered **Cider Cave**. Well the truth of the matter is I laid just inside the entrance and let the others go in. They reported nothing of vital importance, which meant of course I didn't need to go any further. After supper that evening Grant's plot took its' course...

Peter and Jack entered **Cider Cave** to unravel the mystery of the big chambers that no-one else could find. A move that led to many hours of head scratching (*explains a lot - Ed*), sore knees and campfire cursing that continued for the whole week.

Sunday 19th, one group led by Garth went to West Bay Hollow and **Remarkable Rocks Sea Cave** and took in some sightseeing along the way. Early that morning Kevin, Jack and I surveyed the entrance of K32 and a couple of other small features above the playground before leaving to visit the Emu group of caves. The main purpose of this visit was to check out the lakes in **Hic Up Cave** so a scuba tank and gear was carefully manoeuvred past the beehive at the entrance and down to the lakes for this purpose. When this was completed some of the group unsuccessfully tried to locate **Whinkeys Cave**. **Hic Up Cave** and **Frog Cave** were tagged. After lunch some of us located K20, K21, K24, and K25. We rigged a ladder at K20 and Jack and I had a short visit in this fascinating hole. The decoration and frosted type floor gives a glacier type effect and is very beautiful.

Monday 20th, **Frosted Floor Cave** was revisited with nine people. We crawled through the small sections out to the big chambers to continue where we had finished previously. As Jack and I were making our way out of the cave a loud sliding noise and thump ahead of us caused some concern. This occurred again and we thought we were candidates for the 'big dig'. It turned to be Grant removing a big boulder to make a tunnel safer. This was little consolation for Jack and I as we both had to change our underwear that evening. (*About time - Ed*). On the way back to camp we diverted to visit the Twin Pits.

Tuesday 21st Kevin and I surveyed a traverse from some caves in Flavel's old property back to the campsite, including K60, a cave Grant, Merry and Kevin all claimed to have found ??? Later that day a large group moved out to the Twin Pits and surveyed from there to KH18. The area around KH18 seemed familiar to Jack and I, so we went for a look around and some 75m away we relocated some features we traversed last Easter. These were soon surveyed to the traverse we were doing and tagged with KH numbers. We then moved back to KH18 and surveyed back to KH9 on the 20min walking trail. After a late lunch Jack, Ryan and I drove out along the South Coast Road and then walked in to KH19, remaking the trail we started last year. When we arrived there we surveyed other small caves, KH15, 16 & 20 into KH19.

Wed 22nd Grant took a large group to **West Bay Hollow** and to the coast where it emerges. The cave begins at the base of a cliff and follows a stream bed through the hill to a large rockpile collapse where you re-emerge on the other side of the hill. We were also shown other features that tie in to this system as it meanders its way toward the coast. At the coast we dug and prised at rocks to try and gain entry from this end to make a connection but we were not successful.

Thursday 23rd Jack, Kevin, Ryan and I again went to KH19 and remade the trail in. We continued to survey the features Jack and I found a year earlier into KH19. We found another small cave in the process which makes a total of 8 caves so far found in this small area. These have all been given KH tags and are numbered KH15, 16, & 20-24. KH19 was placed by Stan Flavel on an earlier trip. We returned to the car and moved to the gravel pit to tie up the loose ends of the survey into K33 & 34. As usual this entailed climbing through the bugger bush in shorts while holding a tape end for the Mott. (*Hee Hee - the Mott*). After lunch Jack and I were conned by Peter Horne into visiting **Giggle Pit**. This is a grovelly little cave that you hope doesn't go anywhere, and after finding a nice smooth rock free section within sight of the entrance, I DID NOT. The other pair slid, crawled, made funny noises and took hours descending through floor holes and rock collapses taking bearings/distances until stopped by a rock just as they could see a proper cave with a good breeze blowing in their faces.

They returned to the entrance chamber and I thought they were finally going back to camp... not so... we left that cave and moved down the hill to another that Max Meth was reported to have come out of after entering **Cider Cave**. Kevin claimed Peter's survey of **Cider Cave** had come within 2m of this cave so the search for the connection began. We descended into the small chamber and soon Peter disappeared into a hole changing places with rocks as he went along. Jack and I noticed a small hole in a rockpile that was Max's size (extra extra small) and so Jack was away. In a short while called to say he was through to **Cider Cave** and after some hair raising cave restructure Peter joined him too. I did not. They soon tied up the survey so we left the cave with two of our seven lights working and blundered our way down the hill after dark to finally have tea.

Fri 24th Grant, Holly, Peter, Neil, Mia, Julian and I went from K3 through to 'Trog's Delight', the new entrance and then to the old entrance. The decoration was excellent and how Grant found his way beats me. The last bit from the new entrance to the old entrance took about fifteen minutes. I recall doing that part two years ago and after about two hours we thought that we were going to be there forever. Before finishing that afternoon Grant took me up to K60, a new cave, and we explored that much to the disgust of two possums. He then took me on a quick guided tour of holes in that area and again I was amazed at the amount of features known to exist in such a small area. We left the scrub in the dark and walked back to camp, this had been the final fling for Easter

On the way home Peter Horne explored and mapped a cave at Western River Cove. I'm sure everyone enjoyed themselves. A great deal of survey work was done and I feel satisfaction that some of the cave localities found on earlier trips are now documented correctly. Many new caves were recorded and many are still waiting to be found. I believe all who came to Kelly Hill at Easter should be satisfied at what was achieved.

Chris HALLS

NULLARBOR

16 April to 3 May, 1987

Party:

7/4 -2/5	CEGSA: Max METH, Graham PILKINGTON, Gary WHITE, Bradley COOPER
16/4 -20/4	WASG: Rauleigh WEBB, Peter DOWNES, Dave WARREN, Jim FYFE, Barry TIBENHAM
21/4 -2/5	VSA: Ken BOLAND, Mike KSS: John TAYLOR Wessex Cave Club (UK): Nick HAWKE
21/4 -27/4	VSA: Tom WHITEHOUSE NSS (USA): Mary STANDIFER
24/4 -2/5	CEGSA: Mac McDONALD, Geoff DEAN (visitor)
25/4 -2/5	VSA: Rudy FRANK

Visiting groups:

22/4 -23/4	RAAF: John Mcpherson +9
24/4 -25/4	SA Venturers: Michael & Graham Woodward +14

Features Visited:

N2, N3, N44, N45, N83, N100, N137, N165, N206, N215

Organizing the trip was different this time. The usual condition is that everyone wants to go but only acknowledges at the last minute that they can't attend. This causes transport chaos. This time it was almost the opposite with new attendees wanting to go right up to the start of the trip. These new starters needed transport from all parts of Australia. Again there was transport chaos - you can't win! A last-minute dropout from Sydney was the worst problem as this meant John (from northern NSW) had to bus it to Melbourne to get a ride - he did about 7000km in his round trip.

Organizing things from Adelaide for the large interstate contingent meant a lot of long-distance phone calls. But other than that, things are getting easier with each trip as experience grows. We were fortunate to have Stan Flavel convert the Group's AC 8-outlet battery charger to AC/DC. This saved us from running a generator all the time - at least after Gary had sorted out his dual battery vehicle. The charger was great. It was set up for community use and meant that nobody needed to use carbide (die-hard Mac excluded). Surveying trips are much easier using headlights. Everyone needed their hands free to carry the gear if not actively taking measurements.

Purpose of trip

The main purpose of the trip was to map passages of **Old Homestead Cave**. On previous trips many passages (about 5km) had been explored but not mapped. It was our intention to map only previously discovered areas so as to reduce the "unmapped" proportion of the cave. Hand in hand with this objective was the hope that any new area discovered should be mapped on the discovery trip. In fact two trips were planned to the North and South limits of the cave for exploration/mapping.

Thur 16th

Brad and myself loaded into Max's Combi and by 5pm we were off to the Nullarbor! We made it to near Kimba before camping for the night in the scrub. A slowish trip out to the Nullarbor with a night spent camping on route means that you arrive fresh. A long fast trip straight out to the caves can actually take longer, because, on arrival, the first day is lost due to tiredness, also, caving is risky when one is tired as accidents are more likely to occur - just ask Mac!

Fri 17th

Gary lives in Ceduna, which is about 800km from Adelaide. On arrival we transferred to Gary's 4WD tray-top and larger trailer, leaving Max's Combie and trailer at his sister's place. A leisurely pace out to **Wave Cave** via the usual cliff stop got us there just after dark. A heavy dew the night before and the start of another that night persuaded us to retire for the night after a quick meal.

Sat 18th

What a night! The dew was so heavy that Max and myself were continually being woken up by "rain" coming from the roof condensation. Silly me had put the map folder under my bed to keep the dew off it but in the morning I discovered just how heavy the "rain" was. Our tent was awash. On the inside as well as out. Just as well we were planning to push **Wave Cave**. This gave us the opportunity to dry everything out before packing.

The **Wave Cave** survey was tied into Kevin Mott's doline survey then we went to the known end of the cave to follow the breeze a little further. And it was a little further - about 2m! It took us an hour to dig into the chamber that Max could see into on the previous trip. It was much like what could be seen from outside except "just out-of-sight

round the corner" was a rock-choke, from which a breeze issued. Our jemmy bar proved to be too short for safe removal of the blockage, and beyond it a further blockage can be seen. Another way needs to be found to get to the voids beyond.

After calling in at Eucla Police station we travelled on to Mundrabilla Homestead to visit the new manager - Bob Eglington. I do not advise anyone with an ordinary vehicle to attempt the Mundrabilla Homestead track up the scarp. We had suitable transport to tackle it; and could, therefore, visit the manager without having to worry about backtracking to the roadhouse and Kuthala Pass.

The WASG group of 5 had arrived at **Old Homestead Cave** the day before but had only looked at the first sections of the North and South caves. Something about waiting for us to show them the way on. To entertain themselves they were doing what has become a favourite pastime at OHC - locating and digging out blowholes. Every trip finds more. If we do not do something about numbering/tagging them soon, the situation is going to get confused. I had planned to lead WASG into the cave after setting up camp, but rain set in and the restless sleep of the night before was beginning to tell.

Sun 19th

With everyone keen and eager to get some surveying done we headed off into the South cave as three survey teams of three each. On the way I established a temperature recorder at RDF S. The recorder took a temperature measurement to a 50th of a °C every few minutes and automatically recorded it in its memory together with the time and date.

We went to the **Plughole** and from there; Max's team (Barry & Gary) surveyed back to the end of the previous survey; Roly's team (Peter & Dave) did the SW collapse chamber series; and my team (Jim & Brad) repeated the SE tube tunnels sketched by Graeme Patterson last October. All went well for the teams with Max completing the linkup, most of the collapse chambers being surveyed and all of the previous tubes mapped to scale. A tube off the end from where Graeme had stopped in an almost impassably low flattener was pushed just a bit further and it emerged into the base of a large rockpile. The tube blows a nice breeze. Preliminary examination showed the new-found collapse to be very unstable but no obvious way on was discovered. This collapse lies on the continuation of the Roly-surveyed collapse series of chambers. A low-level mud passage was located with a flow direction heading NE. It became almost silted-up after 30m.

Time and light failures re-grouped the survey parties at the **Plughole**. Roly, Dave and Max then left to continue surveying in the rockpile passages. Four members decided to head out of the cave. They didn't get far. They returned saying something about maybe they would wait after all. Just then Max & co returned with Roly - the first casualty of the trip. He had brushed a rock that had been a survey station and it had slid onto his foot. It took all three to lift the rock enough for Roly to extract the foot. Needless to say surveying was abandoned for the day and exiting the cave quickly became the sole task. (*sic or is that sick? - Ed*)

Luckily Dave is a Medical Practitioner and was able to assist. The foot was left bound by the footwear to contain swelling. Roly's pack was distributed and he got himself out of the cave. The doctor diagnosed broken foot bones and bandaged the foot, with the boot still on the foot. From the **Plughole** it normally takes 2 hours to exit but Roly, despite being in great pain, kept up the pace of the "lead" party so we all left the cave together. Time underground was about 13 hrs and this was typical for further survey trips.

Mon 20th

Roly, Dave and Peter had intended to leave for Perth this morning as they were only out for the Easter long weekend so they lost no caving time by having to get Roly to a hospital. A small consolation. Roly consented to leave his clino with us as we had only one clino (CEGSA's) and this might restrict us to one survey team if no-one else brought one. He left his compass as well - it is araldited to the clino! The surprise was Barry. He had had pains the day before but kept it to himself. Not so this day - he woke up crippled with pain. Dave diagnosed gallstones and immediate hospitalization. This meant that Jim had to drive him out to Kalgoorlie (the nearest hospital). And so ended their proposed two-week stay.

Brad decided to enjoy the Nullarbor sunshine and stayed out for the day and made dinner for the four of us left. Max, Gary and I went back to the **Plughole** area to tidy-up loose-ends of the survey that I had done and to map the tunnels between the tubes and collapses. We also clarified a couple of multi-level links that appeared in Max's survey area. Most of the needed surveying was done, but the end flattener was not reached because we encountered an alcove of the collapse chambers that had not been mapped. The south end of the collapses that had not been completed by Roly, was not as simple as we had envisaged. A complete survey of this area will be required to locate a possible way to "the caves beyond".

After returning to camp Gary helped me find a suitable site to set up the seismic recorder in the South Cave main entrance chamber. It was a rock shelf off the main wall and picked up signals beautifully. The recorder was put beside the main trail 30m away. I did not start the recorder because I was too tired to learn how to carbonise the drum. Besides, the cave breathes in at night and would have sucked in the soot.

Tue 21st

The hard trips to the "end" (only about 900m in) of the South Cave were beginning to tell. We started the day by using the survey data to locate new South Cave RDF stations (SA & SB) and pegged them on the surface.

After a few trial efforts, I managed to produce an acceptable seismometer recording drum and started the needle quivering. A test pebble tossed to the other side of the chamber produced a notable shake of the needle. I had put the instrument on a very sensitive setting to detect very weak quakes if any should occur on the Nullarbor. This turned out to be too sensitive. Our caving activity in the North cave wiped out that part of the record! Also it was very difficult to follow the traces during "quiet" times as they mixed too much. It even detected my footsteps as I left and approached the recorder. Two quakes were recorded during the night - one originating overseas and the other from Australia.

A second temperature recorder was set up beyond RDF N where the passage constricts to enable a comparison to be made between the North and South caves.

The four of us then surveyed a tunnel off the **White Chamber** that travels back directly over **Frigidair**. It nearly made it to the entrance rockpile before becoming impassable. Recent vegetable matter was discovered towards the end of this set of tunnels showing that a water connection exists with the entrance. Air also uses this path as a pleasant breeze was present. On my last trip a year ago, I located a passage 1-2m wide well-decorated in calcite plates. That was nothing (even if a full roll of film was devoted to it!). This tunnel started in a flat rockpile with no more than 1m clearance, but a side tunnel looped from one side around the end to re-join the other side. And what a tunnel! At one place it expanded into a stooping-height chamber 12 x 8m with all the floor covered in calcite flakes and coral-like mounds. It was difficult surveying it without causing damage.

Ken's party (John, Mike and Nick) arrived at camp whilst we were surveying and visited **Frigidair**. Ken, irrepressible as usual, immediately entered the cave to look for us. But although he could hear us above he could not figure out where the sound came from. Tom & Mary arrived while we were sitting around the fire that night. They came down the track from Forrest. We could see their lights approaching for quite a while and wondered who it could be. We even joked about them heading straight to our fire and not seeing the doline between us! Screech! Yes, Tom, the track is around that black bit.

Wed 22nd

I changed the seismic drum paper and discovered the chaos we were making on the high-sensitivity setting and turned the gain down. This was the last record made as the battery went flat after 15 hours and our charging system had become questionable.

Max led a survey team (Tom, Mary, Gary) to survey from the **White Chamber** to **Yikes & Away** while I took Ken, John & Nick to the MA upper-level tunnels to complete the survey started by Max 6 months previously. Max found that the "wall details" led back under the **White Chamber** and came out at the start of the **Mess** - an area we have studiously avoided! By then my survey had finished as all the roof-holes were joined along a "simple" tunnel. I left Max to complete his map to **Y & A** and did the section of cave between there and RDF N. I had to stop the survey at the three connections into the **Potholes** area - even I had only remembered about **one** of them. It was very pleasant surveying large walking passages after several days of hands-and-knees.

On exit we discovered the RAAF company had arrived. And just in time too. This was when we first started having grave doubts about being able to recharge our lead-acid batteries. The 12 volt vehicle batteries were down at 4 volts even after using the generator, while one half of the charging unit had ceased to function entirely. (*Carbides forever -Ed*). Electronics expertise was great to have on hand. Brian quickly opened the unit and tested all sorts of things while we powered the unit from a 12v battery being charged from the generator. After eliminating all sorts of possible problems the unit failed entirely. We fixed that by replacing the fuse! After that everything worked again - it seems that the delay allowed the generator time to accumulate enough charge on the 12v to drive all the charger. The 12v drain problem had been an isolator switch on the connecting cable between the twin 12v's preventing the 12v that was being used by the charging unit from accepting charge from the generator. We did not put any of these theories to the test - leave a vital piece of working machinery alone was the unanimous verdict.

Thur 23rd

Ken had brought the VSA Radio-Direction-Finding (RDF) equipment with him so that more control stations could be set up. I stayed on the surface with Gary to act as a runner to the underground party should our mutual signalling code fail. The surface team could hear the transmitter "Morse" code while the underground team had a geophone to listen to sledgehammer blows. The first station was to be a repeat of RDF S as a check of that station as well as a system check. A surface dummy run had worked fine. Gary, who had had a five minute crash course on RDF use, was having problems hearing any signal after transmission should have started. After a few minutes I listened in and discovered that we had a receiver failure - seemed like a flat battery (shades of yesterday!). We signalled to stop the RDF work and carry on the secondary task of surveying.

Tom, Mary and Nick had been given the task of surveying a passage system near the entrance of the South Cave that had been missed on the original survey but located

last trip. It took them all day to complete the 120m loop; not that they complained too much about the low roof, jagged rocks and uncertain walls - it was pretty. It re-joined the main tunnel at another overlooked tunnel. This just shows how easy it is to miss passages in a multi-level cave like **Old Homestead**. We had missed these passages mainly because a second lower set exists beneath, which had "completed" that part of the main tunnel wall.

I joined Max's team of Ken and John in the survey of the right-hand of the **Terminal Rockpile**. What a great name. It ceased to be terminal a year ago. Since I was the only one to have located a way through the right-side blockage, I was on point. It starts by corkscrewing up an unstable rockpile which necessitated careful orchestration of the survey team to enable measurements to be made without killing anyone.

Ken remarked (very quietly so as not to cause a rock fall) that John had better officially be welcomed to the rank of "Non Amateur". This was suggested because being able to safely pass through such an unstable passage demonstrates a high level of competence. Max suggested (also very quietly) that this honour be conferred after our safe exit.

Once that was past I gardened my way on as the others followed doing the mapping. After a bit of effort in a low squeezey rockpile a 4m high chamber was reached on the side of the rockpile 20m from the start of the climb. It took a bit of persuading to get the others to map that far as they did not believe I could be in walking tunnel so close to them, and besides, it was past lunchtime with the bags left behind. Once in, however, Ken was off "just checking". He found a 20m long tube tunnel but it was stopped by a collapse. By then I had located another way on to yet another alcove with a tunnel leading off. We surveyed Ken's find and an estimate of the position of the next chamber put it as the source of the blocking collapse. So we still have not completed the right-hand **Terminal Rockpile**, only pushed it another 50m. Anything could happen off the side of the rockpile, that's why such a passage cannot be ignored. I think the rockpile itself is the near-entrance portion of Apple Crumble.

Summary of activities to 23rd April

Despite making some discoveries in the South Cave, Monte's missing mile remains missing. We mapped 1050m (to 23rd) of which 420m were newly discovered, and a further 100m discovered but not mapped. So much for our objectives!

For the rest of the report covering Friday 24th April to Sunday 3rd
see the NEXT ISSUE

Graham PILKINGTON & Max METH

GIBBEROLOGY - The scientific study of falling rocks

It has come to my attention that members of the Group are ignorant of the hard courageous work done by members during previous caving trips. The popular Rock & Roll is not an alternate name for gibberology! Photographic displays of all known trajectories should be created; reports compiled; and culprits offered condolences, hung, hefted and caste in stone for a degrading practice.

TECHNICAL & OTHER ARTICLES

TROPICON

Seventeenth biennial conference of the A S F

WHERE: Queensland Recreation Council conference at Tinaroo dam on the Atherton Tableland

WHEN: 27 - 31 December, 1988

Pre conference trips will be held in the Rockhampton area with post conference trips visiting the Chillagoe and Palmerville areas (weather permitting).

Accommodation will be dormitory style with some rooms available for families. The cost at August 1986 was \$13.00 per person (meals included).

NEW APPOINTMENTS - NPWS

NARACOOORTE	District Ranger	Brian Clark
	Ranger in Charge	Robyn Kesby

KELLY HILL	Ranger	Diana Papemfus
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Roger Collins is now based at Bool Lagoon

MAY GENERAL MEETING

At the May general meeting questions of first aid in the caving sense were discussed. A brief summary of basic first aid principles were outlined

- Danger - Yourself and victim
- Response
- Airway – Clear
- Breathing
- Circulation

Caving poses many hazards which are endemic to the activity. Conditions are often cramped, dirty, cold and wet. The only light source is cavers' helmet lights so care must be taken not to shine lights in the eyes of victims. Shock and hypothermia are of paramount concern. Solo caving poses its own peculiar sets of parameters. ALL cavers should undertake a St John or equivalent First Aid Course and keep the certificate valid. Light weight rescue blankets or bags are a useful item of party equipment. Tetanus inoculation is a must for cavers.

A few slides illustrating rescue techniques, equipment and conditions followed. Two specific situations were then tabled for discussion.

Smoke - Tortoise Cave:- The first person down is bitten by a snake after removing himself from belay

Corra - Lynn Cave:- A party after a long survey/exploration trip is exiting the cave. A member slips down the ladder crevasse. He has difficulty breathing, severe pain in the right side of the chest and severe lacerations to left arm and leg.

Parameters thrown in for good measure at the end of each discussion were: How would the situation change if the party consisted of only two people or occurred in a remote area?

All members were urged to do First Aid Course and when caving stop at a point in the cave and discuss how you would handle a situation/s at that locality and the problems involved.



CEGSA BBQ & AUCTION



WHEN Saturday **25 July 1987** from 4-00 pm till you drop
WHERE Pilko's 66 Eyre Cres. Valley View
BRING Yourself and Friends (if they're willing to be seen with you)
Food and liquid sustenance
ANY saleable item - last time we even sold a cardboard box

Come along - enjoy yourself - and support CEGSA. Your participation helps us to provide equipment to better enjoy caving.



MEMBERSHIP

Change of Address

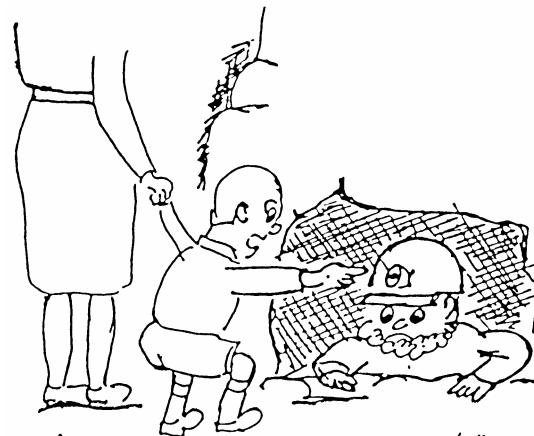
Gary GROTH-MANAT
Warrnambool Institute
P O Box 423
WARRNAMBOOL Vic. 3280
(H) 055 62 0598

New Associates

Karl KRISTEN
13 Baliol Street
COLLEGE PARK 5069
(H) 42 1786

Brad COOPER
c/o CEGSA

Gregory BULLING
4 Pearl Court
HOPE VALLEY 5090
(H) 265 4978



"A caveman! A caveman!!"

INDEX TO VOLUME 31

Volume 31 contained the following issues

31(1)	June 1986
31(2)	September 1986
31(3)	December 1986
31(4)	April 1987

Key to the abbreviations used in this index

B	Biological	Bo	Botanical
D	Description	Di	Diving
E	Exploration	M	Map
P	Photography	Pa	Palaeontology
S	Surveying	Sc	Scientific
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.

CAVING ACTIVITY

Adelaide Hills

Second Valley	31(1) p9	C Hales	E
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Flinders Ranges

F3	31(4) p56	P Horne	E
F4	31(4) p56	P Horne	To
F5	31(4) p55	P Horne	E
F6	31(4) p55	P Horne	E
F7	31(4) p55	P Horne	E

Kangaroo Island

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K14	31(1) p7	C Hales	P
K32	31(1) p6	C Hales	D
K33	31(1) p6	C Hales	D, S
KH19	31(1) p7	C Hales	E

Lower South East

L4	31(2) p22	P Horne	To
	31(4) p52	P Horne	To
L5	31(2) p23	P Horne	S
	31(3) p34	K Mott	S, E
	31(4) p52	P Horne	To

L6	31(2) p22	P Horne	To
	31(4) p52	P Horne	T
L11	31(2) p22	P Horne	Di
	31(4) p52	P Horne	Di
L13	31(2) p23	P Horne	D, Di
	31(4) p52	P Horne	Di
L14	31(2) p22	P Horne	Di
L16	31(2) p22	P Horne	To
	31(3) p34	K Mott	To
	31(4) p52	P Horne	D, To
	31(4) p61	K Mott	To
L18	31(2) p22	P Horne	To
	31(4) p53	P Horne	W
	31(4) p59	K Mott	W
	31(4) p61	K Mott	W
L19	31(1) p10	K Mott	S
	31(2) p22	P Horne	To
	31(4) p53	P Horne	D, S
L21	31(2) p23	P Horne	To
	31(3) p34	K Mott	E
	31(4) p53	P Horne	To
L23	31(2) p23	P Horne	S
	31(4) p53	P Horne	To
L32	31(4) p53	P Horne	To
L34	31(4) p61	K Mott	E
L38	31(4) p61	K Mott	To
L40	31(2) p22	P Horne	To
	31(4) p53	P Horne	B
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L47	31(2) p22	P Horne	Di
	31(4) p53	P Horne	Di
L61	31(2) p22	P Horne	Di
	31(4) p53	P Horne	B, Di
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L72	31(2) p22	P Horne	P
	31(4) p53	P Horne	P
L73	31(4) p53	P Horne	B
L74	31(4) p53	P Horne	B
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L81	31(4) p53	P Horne	To
L82	31(4) p53	P Horne	D
L84	31(2) p22	P Horne	To
	31(4) p53	P Horne	S, W
	31(4) p59	K Mott	W
	31(4) p61	K Mott	W
L86	31(4) p53	P Horne	D
	31(4) p60	K Mott	To
L97	31(4) p53	P Horne	To
L101	31(4) p53	P Horne	To
L104	31(2) p23	P Horne	Di, E
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L129	31(4) p53	P Horne	To
L130	31(4) p54	P Horne	D
L131	31(2) p23	P Horne	Di, E
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L144	31(2) p22	P Horne	To
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	31(4) p60	K Mott	To
L159	31(2) p22	P Horne	P
	31(4) p53	P Horne	B, Di
L162	31(4) p54	P Horne	B
L174	31(4) p54	P Horne	D
L179	31(1) p10	K Mott	S
	31(2) p21	C Hales	S
	31(4) p54	P Horne	E, S
L216	31(4) p54	P Horne	B
L217	31(4) p54	P Horne	D
L220	31(4) p54	P Horne	E, S
L225	31(2) p23	P Horne	Di, E
	31(4) p54	P Horne	D
L226	31(4) p54	P Horne	To
L238	31(4) p54	P Horne	To
L243	31(4) p54	P Horne	To
L244	31(2) p23	P Horne	D
	31(4) p54	P Horne	D
L246	31(4) p54	P Horne	E
L259	31(4) p61	K Mott	D
L262	31(4) p59	K Mott	D
L263	31(4) p59	K Mott	D
	31(4) p61	K Mott	E
L264	31(4) p61	K Mott	E
Tourist Info Centre	31(4) p60	K Mott	D

Murray Plains

M1	31(1) p7	C Hales	E
	31(2) p22	C Hales	D, E
M17	31(1) p5	K Mott	E
M18	31(3) p39	K Mott	E, S
M19	31(3) p40	K Mott	To
M20	31(1) p4	K Mott	D
M21	31(1) p5	K Mott	D

Nullarbor Plain

N2	31(3) p38	M Meth	To
N83	31(1) Cover	G Pilkington	M
	31(3) p37	M Meth	E, S
N215	31(3) Cover	M Meth	M
	31(3) p36	M Meth	E
	31(3) p38	M Meth	S
N222	31(3) p38	M Meth	E

Upper South East

U8	31(1) p11	K Mott	P
U10	31(1) p11	K Mott	To
	31(2) p21	C Hales	To
	31(2) p23	P Horne	To
U14	31(2) p23	P Horne	To
U15	31(2) p20	C Hales	To
U22	31(2) p23	P Horne	To
U26	31(2) p20	C Hales	To
U42	31(2) p20	C Hales	To
	31(2) p23	P Horne	To
U47	31(1) p11	K Mott	To
U58	31(2) p20	C Hales	To
U65	31(1) p10	K Mott	E
U132	31(1) p10	K Mott	E
	31(2) p20	C Hales	E
U143	31(2) p20	C Hales	D, E

Yorke Peninsula

Y1	31(4) p56	N Pledge	Pa
	31(4) p57	G Pilkington	Pa
	31(4) p57	G Pilkington	E, S

Interstate and Overseas

Fabulous Florida	31(2) p23	P Horne	To
Java	31(3) p35	N Smith	E
Naracoorte Crossword	31(4) p64		
NW Queensland	31(1) p8	N Pledge	B

TECHNICAL AND OTHER ARTICLES

Capt. J M Thomson - Obituary	31(1) p11		
CEGSA Library List	31(3) p41		
Naracoorte Crossword	31(4) p64		
Nullarbor Caving Atlas	31(2) p25	G Pilkington	
	31(3) p40	G Pilkington	
Rogaining	31(3) p46	N Smith	
The Greatest Cave	31(2) p26	Unknown	
Wilderness Society	31(3) p47	M Reardon	

ANSWERS

NARACOORTE CROSSWORD

Across

1. Naracoorte Caves Conservation Park.
10. N.P.W.S.
11. Shawls or curtains
12. Sand
13. Dig.
14. Weta.
16. Calcite.
17. Candles.
18. Bones.
19. Pets.
20. Raft.
23. Blanche.
25. Creek.
27. Bus.
28. Limestone.
30. Rest.
33. Fossils.
36. Alexandra.
37. Shells.
41. Roof collapse.
47. Native.
49. Brown Snake.
51. Bed.
54. Wheel.
55. Trap.
56. Gum.
58. Cave Range.
59. Feet.

61. William Redden.
64. Noon.
65. Chambers.
68. Span.
70. Point.
71. Decoration.
72. Deeper.
73. Puddle.
74. Den.
75. History.
76. Marsupials.
77. Dormant.

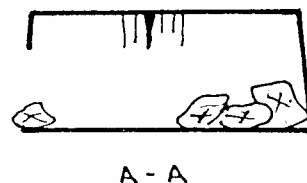
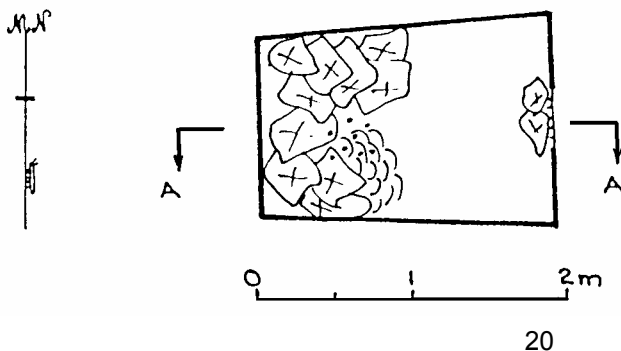
Down

1. Nest.
2. Rangers.
3. Old.
4. Cone.
5. Emus.
6. Era.
7. Victoria.
8. Nature.
9. Kangaroo.
14. Water.
15. Tours.
21. Flora.
22. Helictites.
23. Bees.
24. Cool.

26. Pillars and the columns.
28. Underground.
31. Tickets.
32. Cave Cricket.
34. Straws.
35. Bentwing.
37. Stalactites.
38. Tomato Cave.
39. Stalagmite.
40. Very fast drip.
42. Flowstone.
43. Pinetrees.
44. Extinct.
45. Tree fern.
46. Snakes.
48. Weak acid.
50. Swamp.
52. Explored.
53. Bats.
54. Wombat.
56. Guano.
57. Stones.
58. Crawl.
61. Wet.
62. Dome.
69. Area.

UN-NUMBERED CAVE

KELLY HILL TOURIST COMPLEX



PROGRAMME

JULY

4 – 5	Lower South East	Chris Hales
8	Committee Meeting 7-30 pm	67 Myrtle Rd Seacliff
11 - 12		
18	River Murray	Kevin Mott
22	General Meeting 7-30 pm	
25	BBQ & Auction 4:00 pm	66 Eyre Cres Valley View

AUGUST

1 – 2	Southern Yorke Peninsula	Chris Hales
8 – 9		
12	Committee Meeting 7-30 pm	3 Harcourt Rd Payneham
15 – 18	Kangaroo Island	Chris Hales
23	Training Session - Morialta	
26	General Meeting 7-30 pm	
29 – 30	South Coast	Kevin Mott

SEPTEMBER

5 – 6		
9	Committee Meeting 7-30 pm	26 Burford St Elizabeth Downs
12 – 13		
19 – 20	Naracoorte	Chris Hales
23	General Meeting 7-30 pm	
26 – 27		

OCTOBER

10 - 12	Lower South East	Kevin Mott
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26 Mar – 10 Apr 1988 Nullarbor	Graham Pilkington
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Contact

See Office Bearers

Please inform the Social Secretary of

- any trips you are planning
- any type of trip you would like to see run
- any cave or area you would particularly like to visit

Remember - we can only satisfy your desires if we know what they are.