

CEGSA NEWS



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CAVE EXPLORATION GROUP (SOUTH AUSTRALIA) Inc.

PO Box 144, Rundle Mall, Adelaide, South Australia, 5000.

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Meetings held on the fourth Wednesday of each month, except December, at 7.30 PM usually in the Royal Society of South Australia meeting room, Natural Science Building, South Australian Museum.

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	Marie Choi	As Above

Cover Photograph: Extracting the victim (patient) from the cave on the Search and Rescue training exercise at Cave Ridge, Western Victoria. (See reports commencing on page 9.) Photo: Marie Choi.

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QUARTERMASTERS NOTE.

High usage equipment will now be stored at the quartermaster's residence. Please make arrangements with the QM well in advance of required date for equipment. The QM can be contacted at the telephone numbers on the previous page.

NEWSLETTER MATERIAL

The deadline for copy or background material for Volume 46 Number 2 (Issue 182) must reach the Editor by Wednesday **9th MAY 2001**. Material not meeting this deadline may be retained for possible use in a following issue. The preferred method is via E-MAIL at atholjax@senet.com.au as an attachment or on 3.5" IBM floppy disk, in Word or ASCII text format. Of course other forms of communication will still be gratefully accepted.

The views expressed in this publication are those of individual authors and not necessarily those of the Cave Exploration Group (South Australia) Inc., its Committee or the Editor.

PRESIDENTS SPOT

Welcome to a new year. After two years as President Marie Choi has stepped down for some rest and relaxation, she has put a lot of time and effort into the club during her time as president and her efforts are much appreciated.

Another person who deserves recognition for the work that she has done is June MacLucas who has decided to stand down as our Treasurer and Membership Officer.

We still have some of our stalwarts holding the fort for another year like George MacLucas our Records Officer / Librarian and Athol Jackson our Publications Officer. These two put a huge amount of effort into their jobs. That's not saying that the other Office Bearers and Committee Members didn't put in a lot of time and effort last year because I know they did.

The Committee is the same as last years with the addition of Steve Milner. This came about as the old Committee nominated themselves at the AGM as there was so much unfinished business from last year that they thought they should at least make an effort to tidy it up and not leave it to some one else, and as only one other person was nominated to go on the Committee the old Committee got back on.

One poor nominee pleaded that he didn't want the job but this was ignored by the majority present and he was told no one else wants it so it is yours – so that's how I ended up writing this article.

Paul Harper.

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AWARDS SUMMARY

Leather Medals

Leather Arm Chair	Chris Gibbons
Leather Tools	Ray Gibbons
Leather P Bottle	Gary Woodcock
Leather Paint Brushes	June MacLucas
Spirit Of Caving	Paul Devine
Golden Compass Award	First through trip in Victoria Fossil Cave: Gary Woodcock, Bill Binks, Frank Hankinson and Paul Harper.
Rivett's Reward	No Recipient
Mundrabilla Marble	No Recipient

Marie Choi.

CONGRATULATIONS

Engagements

Andrea Ratcliff and David Trehearne.

Anne-Marie Hubycz and Matthew James Grant.

Tracy Colhoun and Simon Kendrick.

Congratulations and commiserations to these members. It looks as though we are in for considerable Knot Tying practice in the near future.

TRIP REPORTS

Murray Plains, Saturday 26th August.

Party: Simon Kendrick, Tracy Colhoun, Pam from Scout Shop, Alison from Venture Corporate Recharge and five punters from WEA.

Following a bad nights sleep and an early meet at the Scout shop to discuss a change of plan, we headed off to Swan Reach to introduce several “never caved before”, and a few “never got dirt on me before”, people to caving.

In between several stops for Simon to do his cave spieling, there were groans from some due to the bent over posture required in much of Punyelroo cave. The groaners spent some time being subdued by a candle while others who were more enthusiastic, visited the small lake and engaged in some reasonably challenging crawly bits.

One member of the group retreated to the car on hearing about River Road Cave, however the rest of us headed in. A visit to River Road Cave frequently ends in a swim in the Murray due to it's muddy, gloopish nature. Some of the group wearing white Nike's were a bit shy of the mud, which was fortunate, as it was a cold and windy day.

All said that they thoroughly enjoyed the day and a few expressed interest in joining CEGSA. It could be said that the day was a success.

Tracy Colhoun

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Flinders Ranges, Saturday 9th & Sunday 10th September.

CEGSA: Tracy Colhoun + Simon Kendrick

Visitors: Rod Quintrell and nine clients from the Pathfinders Adventure Program.

We gathered outside Parliament House at 7.00am on Saturday before driving to Bagalowie Homestead. After lunch and an initial briefing we visited Clara St Dora Cave 5F4 for a “gentle” introduction to caving. The discussions over tea were varied but it was obvious that everyone had enjoyed themselves. On Sunday we abseiled into Mairs Cave 5F3 and after visiting the main part of the cave self lined up the fixed ladder. We were able to introduce everyone to the cave environment, discuss minimum impact caving, and let them experience squeezes, crawling, speleothems, and the absence of light.

Simon Kendrick

%%%%%%%%%

Lower South East, Saturday 23rd & Sunday 24th September.

CEGSA: Daniel Fletcher, Bekki Bulger, Linda Deer, Alli Young, Tracy Colhoun, Paul Deer and Simon Kendrick

Visitors: Simon Drummond, Paul Barker, Frank Stomski, Shaun Leech and Pam Inverarity

Accommodation had been organised at “Greenhills”, Hatherleigh, about 15km northwest of Millicent and by Saturday morning everybody had arrived. This trip was organised as a follow-up weekend to the successful “Laddering and Abseiling” workshop 15th & 16th July and we had plans to visit 5 caves, 4 with vertical entrances.

Our first port of call was 5L99, which we located without any problem. Everyone geared up, the cave entrance was rigged and we abseiled in and then laddered out. Nobody had any problems, other than you would expect negotiating the logs over the entrance.

We then set off to find 5L322 and this did not prove as simple as it should have been. I must confess that I had incorrectly marked the location on my map, and this combined with a “fuzzy” memory (at least two years since my last visit). After two hours fruitless searching, it was time to have a late lunch and re-assess everything. Re-plot the location, correct the original mistake, re-orientate ourselves, re-organise ourselves and “I’ve found it, here’s the cave”. The funny thing was, Tracy and Paul Deer had found it two hours before, but because the entrance had been filled in, hadn’t recognised it as “our” cave. We immediately set about clearing pine debris away from around the entrance, plus logs and soil from out of the entrance solution tube. Once the cave was accessible, we packed up and drove back to “Greenhills” for showers and clean clothes, ready for a “pub meal” in Millicent. David Glowacki drove over from Naracoorte to say, “Hi”.

Sunday morning saw us all back at 5L322 and it wasn’t long before we were abseiling into the cave. This entrance can only be described as “snug”. Paul Barker looked very much like a gravity assisted entrance, so as a precaution Linda and I rigged a 3:1 Z-rig before we entered the cave. This is an interesting little cave with some good decoration. Some of the pine off-cuts, “falling” through the entrance have smashed some decoration, but otherwise the cave looks pretty much as I remembered it. Getting out did prove to be a bit of an epic and we had to re-rig the entrance and use the Z-rig. By the time we were all out and packed up it was getting late so Shaun, Frank, Alli and Paul headed back for Adelaide.

The rest of us set off for Tindale E Cave 5L18, which we found without too much trouble. One of the padlocks was rusted shut and we all had a go at opening it. Linda, Simon and Paul soon tired of this game and also left for Adelaide. After some persistence, the padlock finally came open and we could enter the cave. It was 6.00pm before Daniel, Bekki, Pam, Tracy and I finally exited the cave and started back to Adelaide.

Simon Kendrick

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Southern Flinders, Sunday 22nd October

CEGSA: Tracy Colhoun + Simon Kendrick

Over the weekend of 21st & 22nd October Tracy and I spent time in the Oladdie Hills, north of Orroroo. We arrived in Carrieton late on the Saturday and confirmed in person the arrangements made over the phone. The Carrieton Hotel proved to be an excellent “base” for the weekend. On Sunday we drove out to 5F34 via a “road” not shown on the 1:50,000 map but pencilled in by the landowner – the Subaru got a bit of a workout. A pair of Peregrine Falcons is nesting in the same cliff as 5F34 and cavers are advised to avoid this area during the nesting season – the Falcons do not like visitors! We went for a bit of a drive around the property, checking out the scenery and some old ruins and mines before unsuccessfully looking for 5F79. As time was pressing we climbed Mt. Olive for some great views of the Oladdie Plains before driving back to Adelaide.

Simon Kendrick

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Yorke Peninsula, Monday 23rd October

CEGSA: Linda Deer + Simon Kendrick

Visitors: seventeen students and a teacher from Mercedes College

After special arrangements were made between the landowner and the teacher from Mercedes College, we visited Corra Lynn Cave 5Y1, and introduced the students to the cave environment, discussed minimum impact caving, and let everyone experience squeezes, crawling, straddling, crevasses and the absence of light.

Simon Kendrick

Upper South East, Wednesday 25th & Thursday 26th October

CEGSA: David Glowacki, Linda Deer + Simon Kendrick

SCG: Zoe Grigg

Visitors: nineteen students, two teachers and two support leaders from
Norwood-Morialta High School.

We ran a two day activity to Naracoorte for Norwood-Morialta High School. The school group arrived at the Naracoorte Caves Conservation Park on Tuesday. After setting up camp they visited the Interpretation Centre and Victoria Fossil Cave. On Wednesday and Thursday we took them caving to Beekeepers 5U15, S102 5U47 and Cave Park Cave 5U37. This was part of the outdoor education program offered by the school and was the culmination of classroom theory and indoor climbing gym practical. Building on the students existing skill base, we used either ladder/belay or abseil/belay to enter the caves and ladder/belay or SRT to exit the caves. We were able to introduce the students to the cave environment, discuss minimum impact caving, and let them experience squeezes, crawling, speleothems, the absence of light and vertical skills. On Friday the students break camp and returned to Adelaide.

Simon Kendrick

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Southern Flinders Ranges, Saturday 4th November

CEGSA; Tracy Colhoun + Simon Kendrick

Visitors: Jill McPherson, Mike Thomas and eight clients from Terra Adventures

At all hours through Friday night we arrived at "The Springs" in the Bendleby Hills north of Orroroo. After an initial briefing after breakfast at the shearers quarters we drive to Buckalowie and visited Clara St Dora Cave 5F4 for a "gentle" introduction to caving. After lunch we abseiled into Mairs Cave 5F3 and after visiting the main part of the cave self lined up the fixed ladder, before driving back to "The Springs" for a shower and dinner. We were able to introduce everyone to the cave environment, discuss minimum impact caving, and let them experience squeezes, crawling, speleothems, and the absence of light.

On Sunday we drove to Solleys Well for a five hour day walk, with great views from spot high .719. After tidying up, we drove back to Adelaide.

Simon Kendrick

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Cave Ridge - Lower South East: 4th - 6th November 2000.

Participants:

CEGSA: Marie Choi, Paul Deer, Adam Bramford, David Glowaki, Bill Binks, Kevin Mott, Frank Stomski and Visitor Lucy from Adelaide

CCV: Ian Farhall, Doug Henry, George Christie, Mark Somers and Jo

Ian and Doug were the first to arrive at the scout hall followed closely by Paul and myself. A short time later Dave G and Bill B rolled up with some new caving gear namely a couple of electric Guitars and amps they were followed closely by Adam and his drum kit. Now being a youth worker, when a group this age pulls out band equipment I am used to hearing ear piercing thrash music (if you can call it music) so as they set up their gear I wondered if I should go for a walk. I must say that I was pleasantly surprised as they played some blues style music. They are quite a talented bunch.



The Band does its thing.

Photo: Marie Choi.

Saturday

First stop was at cave ridge where we met up briefly with Mark, Jo and George who were checking out CR1 for the rescue training weekend. George then joined Kevin in doing some surface work. I led the rest of the group to CR2 and directed them to the usual route. The Vics were duly impressed at how well decorated the cave is and posed for a few pics. I will let Bill tell the rest from here.

Whilst the others were checking out the main route, down towards the “pretty” section, Kevin Mott, Dave Glowacki and I headed the other way to check out a low section near the wall (although that is very hard to define) of the entrance chamber. Heading into a tight bit, we could look around a corner and look up at some fairly impressive and active flowstone, with some cascading effect over some small rimstone pools. It looked like there could be something behind the back of this flowstone ‘waterfall’, but it was hard to tell.

There were a couple of holes just back from our vantage point of this formation and I squeezed into one, turned a bit of a corner, and then confronted a serious “squeeze”. Sensing a bit of new passage was beckoning, I managed to negotiate the squeeze, then turned left, and the small passage began to open up again. There were now a couple of options for the way on and I began exploring. A passage continued around to the left and I followed my nose into some tighter bits, before eventually getting to a rise in the floor that lead to a lip, where I could look down on some active decoration and a flowstone floor. I was now on the other end of the whole waterfall flowstone formation looking back toward where Kevin was! Meanwhile Dave had followed me in through the squeeze and we met up, then continued looking around the new passage. There was a main “chamber” which was no more than 1.5 m high, but fairly roomy. On the right hand side there was a hole that neither of us had checked out at that point, and seemed to lead into something black. We passed through this and were into another low bit, which after a short distance opened up into another chamber. This was bigger though and we could actually stand up, with the roof suddenly rising in a major step. On the side of this chamber we were also confronted by a large mound of formation (a bit “wedding cake”-like), and were pretty impressed with the general scale of this and the chamber, compared to the low passage we had to go through to get in. We checked out some further leads off this chamber, but none went a great distance. There was a side of the chamber that seemed like it was heading up and up, like it was on the edge of a collapse chamber, but there was no obvious way on.

We could hear Kevin hammering away at the rock back at the squeeze, trying to get in to follow us, but he must have been unsuccessful. After Dave made an express trip to the entrance and back to get a new battery, we headed down another apparent lead off the end chamber. Dave was ahead of me and found that he was all of a sudden, back on the outskirts of the entrance chamber again – obvious from the worn path. The hole he had emerged through had not been noticed before, but now appeared to be a “quick access” route into the new section we had found – avoiding the very tight squeeze near the flowstone waterfall.

All up, the length of the new bits would probably be 60 to 100 metres, with one quite impressive chamber. We also made a couple of loops within the cave, making for some added complexity to the eventual survey (sound good Frank?!).

Back to Marie

As Usual we had dinner at one of the local watering holes before heading back to the hall for a night of a relaxed evening of cards, drinking, music and the old orgasmatron head massager.

Sunday

Sunday saw all of us except Frank and Lucy head out to some new holes that Kevin had been told about by Trevor from Forestry SA. It seems some one was working late on one of the big machines when he felt the front end of the machine head up a slope, as it was dark he decided to stop. Smart move there was a large doline in front of him with 2 small cave entrances in the middle. Even though Kevin's son had had a brief look at it earlier we decided to take a look. The group rigged a ladder down the lower entrance whilst Ian decided an abseil into the other may be nice. I had just finished getting rigged when Adam raced up the ladder looking a little pale. It seems the part of the roof was a little unstable and it decided to loose some large blocks. The rest of the group also decided to make

a quick exit. The cave is numbered 5L439 and it is very unstable. It has an 8-10metre pitch leading into a single chamber with no apparent leads.

We then headed to another doline with no apparent entrance near by and decided if it did go it would need some digging and we would save it for the Pom when he got back from the US. We decided to head off to 5L1, Snowflake cave. This is a lovely little cave on a couple of levels with a large quantity of moonmilk. It is near an old riverbed that leads down to the Glenelg River and is well worth a visit as it has some very photogenic Karst features.

After a quick visit to the Glenelg River it was back to the Scout hall. Bill, Dave and Adam left us from here. As it was a Victorian public holiday Paul and I stayed an extra night so we could join Ian and Doug at Piccaninnie Ponds.

Monday

We got up early, cleaned up and then went out to get our permits for Piccaninnie Ponds when who do we see across the hall but Mr Mott trying to look like he is working whilst deep in conversation with a colleague. After duly trying to embarrass him by telling everyone we were his secret love children we collected our permits and headed off to Piccaninnies. There were a group of divers going in at the same time. As Paul hadn't brought any gear he borrowed Doug's and had a great time. I wanted to see how water resistant my Pentax 90 WR was and actually it wasn't bad but I wouldn't hold it under for long so focussing is an issue. Paul and I said our goodbyes to Ian and Doug at the ponds to make our way home just after lunch. All in all it was a great trip.

Marie Choi & Bill Binks

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Murray Plains, 11 November 2000

CEGSA: Graham Pilkington, Ray Gibbons

Karst feature visited: 5M46

We decided to have a closer look at M46 that we had first noted on the 20 August. The rift in the dirt about 25m north of the road looked the most promising. It was about 3.5m deep and 1.2m wide then another 1m down a narrow slot against the eastern dirt wall.

During the day we removed 272 buckets of dirt. This lowered the floor of the rift by 2.5m to reach a total depth of 6.0m. It was interesting to find a sheet of fabric, possibly a bag, at the 4.5m mark but not so nice to find lots of broken glass. Even down near the 6m mark we were still removing glass. This indicates that the rift was once much deeper. Dating the rubbish is difficult but it did not look "new". Most of the glass was from flagon bottles of about 2 litre capacity with one found intact - containing liquid but no label - down at 5.5m. It might be possible to locate the persons responsible for this time capsule and get recollections of just what the feature was like before being degraded. On several occasions Ray and I thought that we could feel a slight draught coming from the bottom of the hole through the dirt but it might have been wishful thinking as it was a hot day and the sun shone down our dig.

Graham Pilkington

Abseil Training, Sunday 19th November

CEGSA: Allison Young, Linda Deer, Frank Stomski, Daniel Fletcher, Bekki Bulger, Tracy Colhoun and Simon Kendrick

Visitors: Stephanie Bowden, Andrew Disney, Romola Stewart, Tim Bowden, Paul Barker, Simon Drummond

We started to arrive at Tracy's mothers place in Hallet Cove around 10.00am on what was going to be a hot day. After an initial briefing we set off to practice our abseiling skills in preparation for the Canyoning and Caving trip to the Blue Mountains in January. Our aim was to practice twin rope abseiling and abseiling from a difficult start; from a sitting start or with a loose rope between you and

the anchor or by lowering yourself over the edge before abseiling. Then it was back to Hallet Cove for a well deserved drink, a B.B.Q. lunch and a swim in the pool.

Simon Kendrick

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Murray Plains, Tuesday 21st November

CEGSA: Simon Kendrick

SCG: Zoe Grigg

Visitors: students and teachers from Mercedes College

We met a bus load of students from Mercedes College at Swan Reach. After an initial briefing, we were underground for 1.5 hours before returning to the bus. A second bus load of students arrived, and while the first load returned to Adelaide, we briefed the second group prior to spending 1.5 hours underground. It was a hot day and this lead to hot and sweaty conditions underground. Even though the trips were rushed, we were able to introduced the students to the cave environment, discussed minimum impact caving, and let everyone experience squeezes, crawling and the absence of light.

Simon Kendrick

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Search And Rescue Exercise

Date: 2 / 12 / 00

Location: Cave Ridge caving area - Victoria

Caves used: Cave Ridge 1 and Cave Ridge 2

CEGSA Participants: Marie Choi, Linda Deer, Tracy Colhoun, Simon Kendrick, Michael Caruana, Kevin Mott, Paul Harper, Janine and Ken Grimes, Reto Zollinger and Margaret Brownlie. Simon Drummond (visitor).

Other Participants: Cave Rescue Victoria (CRV), Victorian SES, South Australian SES, FUSSI, Local Victorian Police, Victorian Police Search and Rescue, South Australian Paramedics, Rural Ambulance Victoria, VSA, and other individuals.

CEGSA was invited to participate in this exercise that was planned and run by the CRV.

The aim of the exercise was to test the local callout response by the emergency services and to give participants hands on experience in cave search and rescue.

The scenario was that a car had been found parked near the caves at midnight and there was no sign of the occupants, a backpack had also been found at a nearby cave entrance. The meeting point for the start of the exercise was at Dartmoor at 9am where they had a briefing before going to the caves. CEGSA and FUSSI waited at Mt. Gambier for the SA Police to call us out but the call never came so after a short wait we made our way to the caves. When we arrived the Police were manning the control point and every one else was walking the countryside looking for evidence to suggest which cave the missing people might have entered (there are quite a few caves in the area). We reported to the police and Kevin Mott being the local expert acted as the caving liaison to the police, it was decided to send 2 search teams into the cave next to where the back pack was found even though there was a great possibility that no one was in that cave as the missing people had not left a rope or ladder in place for the 4m entrance pitch. The 2 teams searched the cave while Kevin stayed at the entrance as a forward controller in radio contact with the control point, nothing was found in the cave so we returned to the control point. In the mean time a third search team was sent into a nearby cave and had not returned yet, it was after midday now when one of the missing people popped up out of the same cave that team three was in with a story that two others were still in the cave one who had been bitten by a snake and another with a twisted ankle while another two friends had wandered off on the surface and he didn't know where they were. A new search team was sent back into the cave with the missing person as a guide, the cave was low and quite narrow in some places, on the way to the two injured people we came across search team three who had not found a thing and seemed to have been searching another part of the cave, team three went out and after a bit of searching we found the injured people, one with a snake bite the other with a broken wrist and ankle. The snake bite victim was the priority but we had to wait for a full length stretcher to be sent down



Moving the patient through the cave. Photo: Marie Choi.

from the surface so the victim with fractures was strapped up and with help made her way toward the entrance but after a short distance it was realized that a stretcher was needed so a half length stretcher that was at hand was used to drag and carry her. It took over an hour for the stretcher to arrive for the snakebite victim, this was about 3pm, and her condition by this stage was critical (there was a paramedic with each victim). A runner was sent out with this information about the snake bite victim and a policeman from the control point went back in to locate the rescuers who were helping the victim with

fractures, he told them to leave the victim with fractures with a paramedic and to all go

and help get the snake bite victim out of the cave. By this time it was late afternoon and it would have taken many, many hours to get the snake bite victim out so a little cheating was done and the victim was forced to walk to the entrance she was then strapped back into the stretcher for the vertical lift out of the entrance, the victim with fractures was very close to the entrance and she was told to get out of the stretcher and make her own way out of the cave. The vertical lift of the stretcher out of the 4m entrance hole was set up and controlled by the police, they had two independent 3:1 pulley systems on one side of the hole and a 3:1 pulley system on the other acting as a redirection to keep the rope in the centre of the hole during the lift. The victim with a policeman attached was pulled out of the cave without incident.

The other two missing people were found safe and well at home.

SUMMARY

It was a well run exercise that ran smoothly but it did show up some problems, the main one being communication. The people at the control point need to be in touch with a forward controller in the cave,

There was no forward controller and only two runners left the cave to report to the control point so the control point did not know what was going on all the time and the two rescue teams were doing their own thing underground and not communicating between themselves. A cave radio or a phone line into the cave would be the best option; runners would wear themselves out very fast and would add a time delay to any action.

Track marking needs to be addressed, once a victim is found the fastest easiest path to the victim needs to be marked and every one needs to be told what to look for, i.e. tape, reflectors, string etc. It ended up with one group using reflectors and pink tape and later another group used blue tape so we ended up with several paths, another problem was that the markers were not at every intersection or within site of each other and some were placed in the middle of an intersection with no indication as to which passage to take. The other problem was the tape markers don't tell you which way is in and which is out while double sided reflectors would (i.e. red in, white out). When markers are laid it is usually to show the rescuers the quickest route to the victim but it does not always show the best route for the stretcher to follow on the way out so it pays to have 'scouts' who will select the best route for the stretcher before the stretcher starts moving, whether these scouts lay their own coloured track markers for the stretcher to follow or re arrange the track markers already laid is the question, having two different coloured paths could help with the movement of relieving rescuers around the victim. In the case of this exercise the scouts were only one step ahead of the stretcher with the fracture victim in it and so the stretcher was not always going along the easiest passage.

Manpower is needed and lots of it, the searching of the surface tied up all the available manpower but if there were more people the inexperienced could search the surface while people skilled in underground search could get straight underground into the most obvious hole. When removing the victim on a stretcher many teams of rescuers are needed and regular rotations to the surface for water, food and rest are needed.

Having paramedics who can cave is important, so is getting them to put their gear into cave friendly bags. Not the suitcase size monstrosity I had to lug through the cave for them.

The exercise 'victims' need to be looked after a lot better, hypothermia is a real threat. In this case they were in the cave five hours before they were found, then they spent another four hours being rescued. So they were very cold and only a lightweight space blanket was used to warm them during the rescue. It would pay to give the exercise 'victims' some, or all, of the following items when they are placed in the cave to use while waiting for the rescuers, they can be put aside if need be when the rescuers arrive. A closed cell foam mattress, thermals, pile jackets, a sleeping bag, a beanie, a thermos of hot drink, a large garbage bag and a candle to warm themselves, food and water and something to carry bodily wastes in. The topic of warming a victim came up and apart from a closed cell foam mat and a sleeping bag the idea of using saline bags left out in the sun then rushed into the cave or instant heat packs was raised as was a 12 volt hair dryer. A maximum time period for an exercise 'victim' could be set say after five hours the victim is changed, the rescue scenario stays the same just another person is used as the victim.

Prioritising the rescue – this comes under communication, the snake bite victim was bitten at 8am, One of the missing people told us about it at about 12.30-1pm, the victim was reached at about 1.30-1.45pm, and it was not till 3pm that the stretcher arrived so there was a huge delay, even then more than half the underground rescuers were helping the victim with fractures (who was in a stable condition) instead of the snake bite victim who was in a critical condition.

Cavers proved they were an invaluable resource –on the surface: for information on the caving area and specific caves, for cave and surface maps (and the interpretation of them), for suggestions on the size and make up of each search group, for advise on how to conduct the cave searches. Underground: cavers showed that they can move swiftly through a cave even in this unknown cave the cavers were finding their way around quite easily, cavers also showed they were more skilled in recognizing the trogged path as opposed to an untrogged passage

Unmapped or partly mapped caves mean that you are searching blindfolded. Get out there and map the caves.

Paul Harper

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Search & Rescue Exercise

Saturday, 2nd December

Organised by Cave Rescue Victoria

Some thoughts –

I have attended two previous Search & Rescue exercises and I must say that this was by far the best and the most productive. Not withstanding this, there are some areas where, I believe, improvements are possible: -

The information available to CEGSA participants prior to the activity was a little sketchy. The briefing sheet put out by Cave Rescue Victoria was good though it assumed a degree of prior knowledge. The reader was assumed to understand what would happen during a search & rescue, plus what equipment and personal refreshments they would require, As a result I believe less experienced participants were not as well equipped or prepared as they should have been. This could be minimised by circulating "minimum equipment" lists and a broad outline of what can be expected as far as conditions, times, physical requirements, etc. Verbal pre-briefing of participants could also be beneficial.

The information available to CEGSA participants as far as their specific involvement and arrangements was sketchy, incomplete and late. Improved communications would eliminate this.

The range of prior knowledge in search and rescue amongst the participants was quite noticeable, and while this probably "mirrored" any group gathered together in a real situation, this difference in knowledge also appeared to hamper the smooth running of the activity and possibly detracted from the learning experience. Prior briefing on the conduct of a search, so that everyone is aware of team and individual expectations. Prior briefing on the conduct of a rescue, so that everyone is aware of

team and individual expectations. Prior briefing on the conduct of a vertical rescue, so that everyone is aware of team and individual expectations. These need only be broad overviews, sufficient to give all participants a common base knowledge.

NOTE: Due to work commitments I did not arrive until after lunch by which time the search had been completed and the rescues were under way.

Poor communications between underground parties, plus between underground parties and the surface hampered the smooth running of the exercise. I am unsure of how to eliminate or minimise this problem.

A lack of knowledge on the team role and the individual roles during a stretch drag/lift was evident in the performance of this phase. The discomfort of the casualty was further proof. Prior briefing on the conduct of a rescue so that everyone is aware of team and individual expectations would maximise efficiency and minimise casualty discomfort.

A lack of knowledge on the cave and routes within the cave also added an extra degree of complexity and problems.

The Victorian Police Vertical Rescue section used a system that I have never seen before. The twin 3:1 Z-rig (one attached to the stretcher, then the rescuer; the other attached to the rescuer, then the stretcher) was complicated, gear intensive, and required two hauling teams and good communications. This seemed a little excessive, especially since the rescuer was able to move (vertically) independent of the stretcher.

The South Australian SES would use what they call the "building block approach". Block 1, the reversible LOAD LINE, attached to the rescuer then the stretcher. Block 2, the BRAKELINE, is a reversible front brake. Block 3, the HAUL LINE, is a "bolt on" 3:1 Z-rig. The rescuer is attached such that they are able to move (vertically) independent of the stretcher. Advantages; a simple and "easily" understood system, which is not excessively gear intensive. Disadvantages; are that the load is taken by a single 11mm rope.

The South Australian CFS & MFS would use a twin rope system. A reversible MAIN LINE attached to the rescuer and then the stretcher. The rescuer is attached such that they are able to move (vertically) independent of the stretcher. A "bolt on" 3:1 Z-rig haul system. A SAFETY LINE or belay line attached to the rescuer and the stretcher. Advantages; are its versatility and increased levels of safety because of the belay. Disadvantages; are its increasing complexity and gear requirements.

During the de-brief (I think it was) Ian gave an excellent de-brief of the overall exercise. I do not believe individuals were encouraged to honestly share their impressions of the role they played. This was an occasion to look at the learning outcomes and competencies required for individual tasks. It was a missed opportunity. With a multi-service exercise like this, it would have been good if the CEGSA group could have had a formal de-brief of their role.

Simon Kendrick.

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Rescue Training Weekend December 2nd and 3rd 2000

Cave Ridge and Drik Drik regions in Western Victoria

Being interested in rescue techniques and not having done too much caving outside of the work environment I was keen to join in on the rescue training weekend.

Having had a stressful couple of weeks I enjoyed the leisurely drive down to Mt Gambier in my trusty EH Holden. It was an early night for me while the rest of the crew arrived in dribs and drabs. The early night meant an early morning; just in time to find out they needed another casualty for the exercise. Out at Cave Ridge I had more time to relax while waiting to be rescued. Though in the end I had to rescue myself, but that's another story. It was then off to the pub for a meal to dissect the rescue, work out tomorrow's caving at Drik Drik and some more relaxing.

DRIK DRIK (DD4)

Participants:

CEGSA: Michael Caruana, Paul Harper, Tracy Colhoun, Simon Kendrick, Linda Deer, Simon Drummond (visitor)

SA AMBULANCE: Bernie Ferguson, Shaun Osullivan

CAVE RESCUE VICTORIA: Mark Somers, Jo

Sunday morning my body was ready to expel some energy and that it did. Having not experienced a wet cave before, except for photos and others stories, I was looking forward to the challenge. Marie wasn't feeling too well and kindly lent me her Bat overalls to help keep off the mud. I wasn't too keen to wear them at the start but was very grateful to have them on when I discovered first hand what the cave was like.

It was a completely different environment to the dry caving I had done. At first I tried to keep out of the water that ran through the centre of the cave but it wasn't too long before there was no choice but to get wet and muddy. We had to be very careful through the cave as the wet and muddy conditions made it very tricky at times to climb over the rock piles. I managed to have a bit of a fall, which made me even more cautious. The piece de resistance was having to crawl over a mud pond. We did this so that our weight was spread over a larger area and didn't sink into the waist deep mud (sorry about the grotty overalls Marie). The formations were beautiful and I felt very privileged to have the opportunity to see this lovely cave.

Lessons learnt:

Take a lot more time whilst navigating wet slippery rocks.

Whilst yellow PVC wet weather gear is great for standing in the rain, it has a high failure rate when traversing through a cave (mainly in the groin area, as some discovered.)

Make sure everything you want to keep dry is in waterproof containers. Soggy muesli bars weren't that appetizing.

Make plans to cave in Tasmania!!!

Michael Caruana.

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Murray Plains, 3 December 2000

CEGSA: Graham Pilkington, Ray Gibbons

Karst feature visited: 5M43

This trip was to continue the dig in the Gurgler, M43. Again we had to use a jackhammer to enlarge the vuggy rock. The air appears to come from every open hole we investigated but all the holes shrunk down to 0.2m diameter or less. By the end of the day it was apparent that this was a "Nullarbor blowhole" type of feature where an enterable vertical shaft rapidly branches into many un-enterable breathing holes.

It is remarkable that so much dirt has disappeared down such small holes. I took some time off digging to examine the dirt tunnel leading to the cave in the rock. An interesting facet was that the present tunnel appears to be a re-exhumation of an older red sand filled cavity within the calcareous grey soil. Small pockets and veneers of cemented red sand can be seen along the walls and roof but a large deposit is situated around the entrance to the rock cave. Red sands are no longer present on the surface but they do occur in many southern caves of South Australia. Some of these red sand cave deposits have been dated as thousands of years old created during a very long climatic dry spell when inland red sands were blown down south. Red sands found in Corra Lynn Cave, 5Y1 are several million years old. The presence of this sand implies that M43 is much older than a cave in dirt would be assumed to be.

Graham Pilkington

2001: a cave odyssey

23rd BIENNIAL CONFERENCE of the AUSTRALIAN SPELEOLOGICAL FEDERATION

28th December 2000 – 3rd January 2001 Bathurst, New South Wales, Australia.

The first Biennial Conference for the new century, held at All Saints' College, Bathurst, New South Wales.

Unlike the last Conference held at Yeppoon on the Capricorn Coast, Queensland when CEGSA had only one representative, this time we had 11 CEGSA members including 4 from Victoria. Those representing CEGSA were: Marie Choi, Graham Pilkington, June MacLucas, Chris and Ray Gibbons, Peter and Janine Kraehenbuehl along with Ken and Janeen Grimes, Ros Quick and Ian Farhall, our Country Members from Victoria.

Marie Choi travelled by air, Peter and Janine and family arrived several days later and June, Graham, Chris and Ray travelled by vehicle along with artwork for the pre arranged SpeleoArt/Down Under art exhibition to be held during the Conference. As we had quite a bit of overseas artwork as well as June's included in our vehicle, June and Chris had a relatively uncomfortable very hot trip to and from Bathurst with the artwork travelling in the back placed in front of their cramped up legs between the front and back seat. They could not see, move or feel the air conditioning or had any knowledge where they were until after they had been, not until signposts passed their view from the side windows.

Thursday 28th December 2000.

Graham, Chris, Ray and June arrived at the Conference around 10.00am and later settled into upstairs dormitories that were shared with about 10 others. As usual with any gathering of cavers, they were surrounded by a chorus of snorers. Add to this the stifling heat and lights out at ten, it was not a great way to get a good nights sleep. Although this did not seem to bother the ground floor residents who were busy with their own antics geared by a certain CEGSA member that kept the group in lively anticipation as to the next caper.

During the day Andy Lawrence, Visual Manager of Jenolan Caves Reserve Trust, Jenolan NSW arrived and joined June MacLucas, Chris and Ray Gibbons to help set up the art exhibition in the teachers common room that was offered as the art exhibition space. Setting up the exhibition took quite awhile as altogether they had to place 76 pieces of artwork and several books that had been sent from the UK, Austria, Slovakia, USA and Australia. It was encouraging as this year we were able to include four artists from Australia, 3 from the Blue Mountains and one from Adelaide. Later June joined Andy at the Central Office for Jenolan Caves at Bathurst to set up and type a catalogue for the exhibition. While this was happening the others were enjoying a Welcoming BBQ on the front lawn of All Saints' College.

Friday 29th December 2000

After breakfast two coaches left for the Official Conference Opening to be held at the Abercrombie Caves, opened by Patrick Larkin, Board Member of Jenolan Caves Reserve Trust (also a SUSS member). This was held in the grand Abercrombie Arch using the large old Gold-miners dance platform, built over a hundred years ago. Here we were all entertained by the competent voice of Domino Costa, a guide at Jenolan Caves who sang a beautiful aria "*Music of the Night*" from *The Phantom of the Opera*. After the opening we were encouraged to tourist our way through the cave before returning to the coaches to take us all back to Bathurst.

We arrived back in Bathurst in time for the Official Opening of the SpeleoArt/Down Under Art Exhibition, coordinated by June MacLucas and Andy Lawrence to be opened by the Mayor of Bathurst Cr. Ian Macintosh, with champagne supplied by Drayton's Family Wines. Unfortunately the Mayor never arrived; therefore it was left to Andy Lawrence as Visual Manager of Jenolan Caves Reserve Trust, to open the show. The reaction to the exhibition was encouraging and altogether 11 pieces were sold along with 3 books from Steven Powell of the UK, "*The Dudley Limestone Mines*" and 5 copies of Ian (Ellis) Chandler also from the UK with his book on poetry of the underworld, "*In Sight of Light*".

Later that night Angus Maccoun gave a seminar on *Understanding Lighting for Photography* that extended to include a trip into the Southern Show Caves at Jenolan. For those left behind a video from VSA showing an expedition to "Scrubby Creek" was offered in the Common room.

Whilst the group was at Jenolan doing the photography workshop a certain CEGSA member and ASF Conference organiser gained access to the school science building. The purpose of this expedition was to obtain a new girlfriend for our lone international caver, and a very thin (we believed female) was located in this area. She was promptly escorted to Paul's dorm and once her left foot and right hand were replaced she was propped up in bed with all the necessary accessories, chocolate, rose between the teeth and condom to await her mates return. It was then that some other ASF Conference organisers decided to perform a gender rearrangement on her. Paul's response was not photographed, as the Jenolan group didn't arrive back until the wee hours of the morning. However I am told he posed for a few photos with her.



She awaits her Lover.

Photo: Mari Choi.

Saturday 30th December 2000

Throughout the day numerous lectures were offered including *Hunting Signatures* by Darryl McDowell presented by Angus Maccoun, *Would We Develop Imperial Cave Today?* by E. Holland, *Bullita Cave* by Chris Bradley, *Jenolan Hydrology* by Henry Shannon, *Selection of a Cave for Wild Adventure Tours* by Nick White, *Aragonite in NSW* and *Cataloguing Speleothems* by Jill Rowling.

Chris Gibbons offered to stay and keep the art gallery open for the day, and was delighted with the sale of several pieces of artwork.

Later that night June MacLucas presented a workshop and slide show on *Art Techniques* used in Speleo art from 19th Century Engravings to a quick spontaneous use of charcoal and John Dunkley presented a workshop on *Maps of Australian Caves and Karst*.

The Prussik Challenge took place in the school Gymnasium and there were several categories using both soft and mechanical devices. As June mentioned it was quite warm at Bathurst so Marie took it upon herself to supply water to the contestants by means of a large super soaker. We then heard rumours that the famous Vic Tim was to make a guest appearance, the Victorians had asked how they could entice Vic Tim back to Victoria and were told the only way was to kidnap him. Being the deviant Youth Worker she is Marie devised a plan to hold them all at gun point whilst the CCV accomplices snatched the gnome at the end of the race, and escaped out to a waiting get away car. It was a success even though the CCV member sat near her car for most of the night to prevent her wheels being removed and her car put on blocks by the original guardian of Vic Tim, one Mark Westhorpe from Canberra Troggs. Sometime during the evening the gnome was returned to Mark but the car owner was not informed for sometime. The evening finished sometime after 3 am with a small group in the schools very nice heated pool. A Victorian took out the wet T-Shirt competition, not sure which of the guys won the skinny-dipping comp. Did we mentioned its not safe to skinny dip at conference as some bugger will always nick your clothes and it can be a long walk back to the dorms in the buff when people like Arthur are still up with their fancy new Digital cameras!

Sunday 31st December 2000

After an early breakfast the coaches left for a day spent at the Jenolan Caves.

At the same time John Dunkley led a *Historical Trip to Jenolan* via the old original Sydney-Bathurst Road through O'Connell, Tarana, Hazelgrove and Oberon.

At Jenolan we were offered several tours but by far the most interesting was the *Orient Cave Mineralogical/Speleothems Tour* by Jill Rowlings. Before lunch June MacLucas took her group into Devil's Coach House for a quick, on the spot, drawing lesson in charcoal. Tony Watson of VSA and Ray Gibbons of CEGSA revealed hidden talent by presenting several pieces that even surprised

them. Later in the afternoon Jill also gave another interesting tour on *Mineralogy Tour of Jubilee Cave, Imperial Cave and Chifley Cave*. On the way back to Bathurst June took John Dunkley's mini bus *Historical Tour* in reverse that included a stop at Tarana, the heritage listed railway station dating from 1876. Here a train came through and as there were 15 of them standing at the station, the driver hesitated, unsure whether to stop. Later they made a short stop at Hazelgrove cemetery for a glimpse of a curious headstone, which throws some doubt on traditional legends of Jenolan history.

Later that night Arthur Clarke gave a slide show of his Cave expedition to Western Guangxi Province – China, while others were ferried to the local St Pat's Sporting Club to view the Fireworks.



Our pet Bat Marie at the New Years Eve Party. Photo: Marie Choi.

All returned later, many in costumes to suit the bat theme for the New Years Eve party. One of the most ingenious costumes was Arthur Clarke who had cut down a black umbrella and attached eyes to it, and whilst wearing a fluffy suit (it wasn't exactly Tassie weather) and a headband with bats. Dave Wools-Cobbs also made a great effort with his Oldham Battery costume. The party was well attended although it was noticed that 3 CEGSA men had sneaked off not long after the music started even though rumour has it that they aren't bad on the dance floor. June Chris and Janine kept up CEGSA's good name when it came to partying. The remnants were finally kicked out around 3am with only a small group heading to the pool.

Monday 1st January 2001

Today started off with an interesting talk by Norm Poulter on *Who Was Edie Smith?* followed by *Scientific Publishing: Where Do Cavers Fit?* by Sue White, *NSW GIS Karst Database* by Peter Dykes, *An Evolution of Club Caving* by Evalt Crabb, *National Cave Rescue Commission* by Grace Matts, *Karst Index Workshop (ASF)* by Mike Lake and Jill Rowling and *Survey of Graffiti in Cliefden Caves* by Ian Curtis. Later Norm Poulter returned with a thought provoking talk on *The Nullarbor*

– *Fuel Stove Only?* where he points out the degradation of ground cover and habitat destruction by consumption of timber for campfires. *Explorers, Surveyors & Missionaries* by John Dunkley was also interesting pointing out the first cave visits, cave illustration and maps and the first scientific work on caves near Sydney. While Ken Grimes offered a *Survey Challenge* set up on the oval, after which he held a seminar on *Mapping Tips* back in the lecture rooms.

The Speleo Sports were held near the school oval and involved an elaborate field that was laid out to represent a caving trip. First there came the farmers barbed wire fence and then the gate to the cave, this led to a narrow windy crawl way, and then on to a tight squeeze. There were a few small obstacles before coming to the 1st ladder pitch, followed by a slide through a spider web and then the swinging pendulites. Next came the waist high squeeze followed by the muddy wet sump (sand pit with cover) more tight squeezes then the rope obstacle followed by the following in others footsteps in the last stretch you have the straw crawl but then one gets injured so you must stretch them to the finish line. As always no one wanted to go first but as the CCV 1 team was ready they got the job. The team consisted of Ian Farhall, Greg Leader, Ros Quick, and Ros's cousin Sue (who's not a caver). Because 2 were also CEGSA members Marie offered to act as team Manager bribing the judge, Mark and sabotaging other teams. Marie's attempts at bribery failed dismally, her glasses of wine, Chair, cold beer, grapes, head massages could not beat a certain NSW cavers cleavage and flashing.

Later June, with the kind help of Chris and Ray Gibbons decided to get a head start and between them they packed up the art works ready to take back to Adelaide or to give the overseas work to Andy Lawrence to pack off to the UK, Europe and USA.

After dinner judging of the Photographic Competition Division 5 took place with a slide show of all the other divisions. This year the work presented was of a high quality giving the judges a difficult time to select the winners in each division.

Later June showed a video in the common room of artists David Bellamy and Jenny Keal "Painting Wales" showing David's fitness and determination to get closer to his subjects for his artwork. Both artists took part in our SpeleoArt / Down Under Art Exhibition.

Tuesday 2nd January 2001

For some this was a full day taking part in the ASF Council Meeting held in the Library.

For others it was a family fun day spent caving at Borenore led by Mia Thurgate. The day was extremely hot and for those with very young children it was a long, hot, sticky walk to the caves. For others after the long hot walk, it was a good wade through ankle deep water that had a cooling effect. Later we all stopped to check out the main arch at Borenore, offering interesting photographic chances for most of us.

Later that night Julia James presented slides on *Speleo Brazil 2001* offering information about the 13th International Congress of Speleology being held in Brasilia, July 2001.

The dinner was a great opportunity to reflect back over the week, of the good times had, interesting talks given and old friendships renewed and new ones made. Arthur, with the help of others gave a PowerPoint presentation of some of the photos he took over the week. Awards were given for the photo comp and although we don't remember all of who won what the names that kept coming up were Stefan Eberhard, Arthur Clarke and Dave Wools-Cobbs along with others. I am sure future Australian Cavers will contain more detail.

Before the evening finished much fun and merriment was had during an auction held with the sale of various items that included the sale of about 6 cartoons drawn by and donated to ASF by Robin Gray of the UK. It is also rumoured that a certain CEGSA member paid the outrageous price of \$10 for a Mars Bar, and then repeated the same for a Cherry Ripe! During the dinner a gorilla was raffled that raised \$145 for CEGSA.

Final conclusions –

Over the past few weeks there has been much debate on OZ cavers about why go to the conferences. Every one will have a different reason. Some go for the papers and presentations that are available and the chance to gain new knowledge and to share ideas. I go to have fun, catch up with people I may have met on interstate trips, meet new people. This was only my second conference and I had a ball. I didn't get to all the presentations but that's okay I still learnt a lot from the others I met and talked with as we played cards, or rummy late into the morning. Conferences are as fun as you make it and I have been assured we will be in for a good time in 2003 in WA. The other reason I go is some one has to keep up "Mottys" reputation from the Vulcon conference!

Post Conference Trips

There were many trips offered such as Post Conference trips to Cliefden, Colong, Cave Rescue exercises at Wombeyan, Tuglow, Jenolan, Canyoning in the Blue Mountains, Wyanbene, Yarrangobilly and Cooleman Plain in the northern Kosciuszko National Park. Peter and Janine returned to Adelaide via Wombeyan. Marie returned comfortably by air. And June, Graham, Chris and Ray once again loaded to capacity headed to Adelaide via the back roads to Wombeyan, as June was the only one in this group who had visited these caves while on an art drawing expedition in 1997. Ray was brought up in New South Wales but had never had a chance to visit the caves in this area. Here June introduced them to Annette and Mike Chalker, later Mike took them through Wombeyan's pride and joy, Junction cave. They also enjoyed the walk through Fig Cave and Victoria Arch. All in all it was an enjoyable afternoon and a great way to finish off **2001-cave odyssey**.

Post note:

One week after the close of the Conference, ASF offered to pay for the artworks to be returned to overseas artists. This was seen as very generous and the artists involved have advised June by e-mail that they were very grateful and impressed by the encouragement of Australian cavers and ASF full involvement with the art exhibition.

June MacLucas & Marie Choi.

Blue Mountains, Saturday 13th to Friday 26th January

CEGSA: Allison Young, Paul Deer, Daniel Fletcher, Bekki Bulger, Simon Kendrick, Tracy Colhoun, Romola Stewart, Andrew Disney, Frank Stomski.
Visitors: Paul Barker, Stephanie Bowden, Tim Bond, Ivan Riley, and Robert Hunter

After about six months of planning, training and buying gear the big day had finally arrived, Friday 12th January. Four cars left Adelaide at different times all heading for Mt Victoria in the Blue Mountains. It is a 1300km drive so our arrivals were scattered over Saturday afternoon.

Sunday 14th: Ivan and Robert joined us for our first taste of canyoning, swelling our group to 14 people. The weather was warm and did not present any problems. Fortress Canyon (grade 2)*"There are a few canyon sections in between creek-walking. Then there is a 2m jump-in at the start of a 40m swim. The highlight of the canyon is a 6m abseil or jump-in. If jumping, note the water is not more than 2m deep. The end of the canyon is reached at the top of a big waterfall looking out over the Govetts Valley. This is a spectacular place for lunch."* A nice canyon to start with, which let everyone adjust to the requirements of the activity, check their gear and sort themselves out.

Monday, 15th: The weather was starting to warm up, but still did not present any problems. Again, we were joined by Ivan and Robert. Valley-of-the-Waters Canyon (grade 3)....*"There are some little jump-ins. When you get to the big drop, abseil 30m from bolts on the left (the abseil is tricky at the start because of an overhang)." Now this was more like it, the final abseil was spectacular, though the walk out was a bit of a grind – little did we know this was one of the easier walkouts! After an early dinner, eleven of us, Andrew sat this one out, went to Grand Canyon (grade 2)...."The short 12m overhanging abseil is done from an obvious large dead tree near the handrail or from several other trees nearby. The walk along the bottom of the canyon is slippery and there are a few challenging sections. You can climb around these, or swim. The 30m swim is near the end."* Doing a canyon by head torch gives a very different feel. The glow worms were great, and even though it took Simon a little while to find the exit track it was a great night. More stairs to climb on the way out!

Tuesday 16th: We split into three groups of four people and set off for the 1½ hour walk to Bell Creek Lower Section (grade 2)....*"This is an outstanding canyon, dark and narrow. There are some tricky little climb down boulders and logs, and several places where it is difficult to get onto the li-lo."* Another warm day. We followed Bell Creek down to Du Faur Creek and then onto the Wollangambe River before hiking back to the cars. What a great day and so different to anything we had done so far. All the stair climbing and walking was starting to take its toll with a few sore knees amongst the group.

Wednesday 17th: was a day of rest, relaxation, shopping and visiting the laundry. After such a hard day we rewarded ourselves with a meal at the Blackheath Hotel.

Thursday 18th: We had our first taste of Blue Mountain thunder, lightening and rain overnight, with the rain continuing during the day. After much procrastination and changing of plans we chose a wet weather (winter) canyon which would not pose a risk if the rain continued – even so Andrew, Daniel and Paul Deer chose to sit this one out and rest their legs. Birrabang Canyon (grade 1)....*"No abseils. No swims – with scrambling you need to get wet only to the top of your legs. A nice canyon and a spectacular gorge."* Even though the showers continued it was a fun day.

Friday 19th: The weather forecast was a little ambiguous, though promising, as we set off for Mt Tomah. We split into two groups of six and as the first group left the cars the showers and 5m visibility did not cause any change to our enthusiasm. The forecast was for early showers only, so we could still pull out... Claustal Canyon (grade 4)....*"The "Black Hole of Calcutta" (where the three abseils are) is really spectacular. There are some tricky climb-down and climb-around sections before the first compulsory swim is reached. After this there are two swims with jump-ins. The creek soon begins to drop more steeply and you scramble down to the start of the first abseil (10m). There is a cleft at the bottom to stand in to un-clip; then jump in and swim a few metres around a corner to the top of the next abseil (10m).. The next pool can be either full or half-empty, depending on the level of water and whether a round hole is chocked with debris or not. If it is half-empty (the usual condition), you can stand up to your knees in the water, and go down through the hole (15m abseil). From a good ledge at the bottom of this abseil jump in or climb down and swim round the corner. After 50m Ranon Canyon comes in on the right and there is a short swim. Now walk and wade down the impressive canyon until Thunder Canyon comes in on the right. From the junction the canyon opens out for half an hour. Then there is some scrambling down through boulders and a short drop, to the start of the "tunnel swim" (50m). A few short swims follow, and one tricky jump-in. The canyon*

soon turns to the right and there is a final 20m swim." The weather did clear, though it remained overcast and gave us a hot, humid walk out. But what a great canyon and the three abseils.....

Saturday 20th and Sunday 21st: were days off. Time to relax, catch the train to Sydney, party, catch up with friends or relatives, practice rock climbing and prussic, plus sleep in. Andrew was joined by three friends from Sydney and Canberra for a Saturday night trip to Claustal Canyon – left about 5.00pm and got back about 2.00am.

Monday 22nd: Again we had a clear sky and hot, humid conditions. With the exception of Rom and Steph, we set off for Serendipity Canyon (grade 3)....*"Walk down the pleasant creek. The main canyon bit is near the end. The first abseil (6m) is from a tree on the right and is a bit tricky due to an overhang after the first chockstone. A little swim follows. The second abseil (6m) can be done from a tree growing on top of a boulder upstream of the drop – it goes down a waterfall and is followed by a short swim. The third abseil (4m) can be done from a large tree on the left and is also a bit tricky, ending in the water. At the Wollangambe you swim upstream, which is shorter but more difficult (than swimming downstream) because of a 3m waterfall which is hard to get up."* Another great day.

Tuesday 23rd: Another clear hot day and for Steph, Frank, Bekki, Daniel, Tracy and Simon a 6.00am rise. After breakfast and a quick gear check it was off to Kananga-Boyd National Park, a 1½ drive, for Kalang Falls (grade 4).... *"Nine or ten abseils, mostly over 30m. No swimming – can be done in winter. With its great views and reasonably straightforward abseils this must be one of the most enjoyable and spectacular trips of its kind imaginable."* Everything was going to plan, at 9.00am we were at the top of the first fall and the view was great. By 9.40am we had all completed the abseil. We let a group of four pass us and waited for them to descend the second fall before rigging our rope. Just after Daniel reached the bottom the leader of the other group scrambled back to advise that one of their team had a suspected broken ankle and could we supply first aid equipment plus assist with a rescue. The next 5 hours were spent hauling the casualty up a 40m water fall using a 3:1 Z rig, getting Daniel back up, assisting the other three members of the team up the waterfall, rigging a fixed line up the scree slopes around the first fall, assisting the casualty back to the tourist track and retrieving all our gear. It was a hot, sweaty, scratched and blistered group who gathered in the car park – happy to have completed a successful rescue, but very disappointed at not being able to complete Kalang Falls. There was nothing else to do but have a drink at Jenolan Cave House. Meanwhile, Andrew, Rom, Paul, Tim, Alli and Paul went to Whungee-Wheengee Canyon (grade 5)....*"The canyon is long and complicated, with lots of tricky climb-downs, climb-ups and climb-arounds. A fascinating canyon with a couple of difficult abseils. There are some "duck-unders" – bits where the roof comes down near the water level. One of these is a dark section. The canyon gets really good near the end."* We had lots of stories to share over tea that night.

Wednesday 24th: Once again, a clear, hot day. Andrew, Rom, Tim and Paul left for Kanangra-Boyd National Park and Kalang Falls. They reported having an excellent day, with "lunch with a view" and a swim in the pools at the base of the sixth fall. This changed while exiting up Murdering Gully when they were "hit" by a thunder storm, "buckets" of rain and hail stones. To top the day off Andrew blew a valve in a rear shock absorber and very nearly ran out of petrol. At the same time, Steph, Frank, Daniel, Bekki, Tracy and Simon went to Whungee-Wheengee Canyon for a really great day. Added excitement was gained from encounters with three snakes and hearing the thunderstorm over Kanangra-Boyd (100km away). Again we had lots of stories to share over tea that night. Due to commitments in Adelaide, Alli and Paul left during the morning for the drive home.

Thursday 25th: We woke to a clear morning and were expecting a hot day. Ideal for a leisurely visit to Wollangambe One (grade 1)....*"This is the most popular of the easy canyons. With many long, deep pools. It is also a good canyon to practice the sport of "Jump-Ins". First, check the water is deep enough and there are no hidden rocks or logs. Next, climb up on one side of the canyon to a height suited to your ability, courage, recklessness and eardrums. Then jump."* After a relaxing day, we were hit by heavy rain and very strong winds during the drive home. As this was our final night, we went to the Imperial Hotel in Mt Victoria for dinner.

Friday 26th: Everyone was up early and after breakfast we set about packing up our gear, loading the cars and cleaning up our accommodation. Just after 9.30am Daniel, Bekki and Frank set off for the drive to Melbourne, while Andrew, Rom, Tim, Simon, Tracy, Steph and Paul set off for brunch at a bakery in Bathurst. The drive home to Adelaide was very hot.

- *canyon descriptions* from CANYONS NEAR SYDNEY, third edition, Rick Jamieson, 1998.

TECHNICAL and OTHER ARTICLES

MEMBERSHIP

NEW FULL MEMBERS – WELCOME TO

0014 QUICK Rosalind 12 Aloomba Street, CHADSTONE VIC 3148 (H) 03-9888-3696

NEW ASSOCIATE MEMBERS – WELCOME TO

0013 STOMSKI Frank 8 Durant Road, CROYDON PARK SA 5008 (H) 8346-1313 (W) 8222-3722

0015 BROWNLIE Margaret 1 Greenham Ave., MAGILL SA 5072 (H) 8333-2025 (W) 0408-808-205

0016 ARBON Paul 4 Rosella Street, MODBURY HEIGHTS SA 5092 (H) 8396-3062 (W) 8230-4235

0101 DISNEY Andrew (H) 8342-6884 (W) 8224-7719
(Fam) with 0102 73 Livingstone Ave., PROSPECT SA 5082
0102 STEWART Rom (H) 8342-6884 (W) 8 204-9412
(In fam) with 0101 73 Livingstone Ave., PROSPECT SA 5082

0103 SURFIELD Karen (M) 0418-848-033
(Fam) with 0104 1 Drummond Ave., REYNELLA SA 5161
0104 WALLACE Tony (M) 0418-848-002
(In fam) with 0103 1 Drummond Ave., REYNELLA SA 5161

0105 ZIMMERMANN Lyndon (H) 8272-9262 (W) 0414-91-4577
(Fam) with 0106 24 Waverley Street, MITCHAM SA 5062
0106 BOROKY Jane (H) 8272-9262 (W) 8362-7650
(In fam) with 0105 24 Waverley Street, MITCHAM SA 5062

0107 BINKS Kathy 43 Jervois Avenue, WEST HINDMARSH SA 5007 (H) 8340-1164

TRANSFER TO FULL MEMBERSHIP

9714 GRINDLEY Amanda

0005 GIBBONS Chris

CHANGE OF ADDRESS

9419 HUBYCZ Anne-Marie 42 Kew Drive, OAKDEN SA 5086 (H) 8266-6951
9610 GRINDLEY Damian {342 Piper Place, HEALDSBURG CA 95448-3912 USA
9714 GRINDLEY Amanda {(H)+1-707-433-5643

CHANGE OF PHONE NUMBER

9004 MILNER Steve (W) 8354 7773 (urgent only) (M) 0402-884-121 (till 10PM) Delete Fax#
Postal Address: PO Box 25, BLACKWOOD SA 5051

8004 MacLucas George (M) 0401-125-731

UPDATE TO E-MAIL

7401 MOTT Kevin mott.kevin@saugov.sa.gov.au

CORRECTIONS TO ANNUAL REPORT

9412 BINKS Bill Pine Grove – not Pine Street.
9504 GHEUDE Julius Delete (W) Number.
9510 GLOWACKI Dave (H) 8762 4183 Delete (W)(M) Number.
0007 PAYNE Tim (M) 0427 103 618
0103 STOMSKI Frank Change to 0013.

*June MacLucas
Ex Membership Officer*

GETTING TO KNOW OUR COUNTRY MEMBERS

Fred Aslin – Mount Gambier

Fred's first formal correspondence with CEGSA is dated 15-11-1958, being a letter from one NJ Mollet, Hon Sec. (Maybe we should get Noel to list his caving exploits, being both older in years and his caving career).

An early interest in geology and water saw Fred start his caving in the early 1950's and by about 1953 this interest was becoming quite serious. His association with CEGSA changed his emphasis from sightseeing to study and documentation. Much of this was done in association with the late Norm Hocknell.



People like Sprigg, Hossfield and Ludbrook may not be household names to many present cavers, but their written works and their patient dealing with a young enquiring mind provided the stimulation a country lad needed.

In early 1974 Fred was asked to move a vote of thanks to a guest speaker at a special CEGSA meeting. In that vote of thanks he commented that the leader of his first CEGSA Trip was Judith McLean – Smith. “Jud” as she was affectionately known got him “started” but that guest speaker was Margaret Marker, an older English academic and she “finished him off”. In the few months she spent in Mount Gambier she challenged every comment, opinion and suggestion he made in the clear and ever helpful way that endeared her to all she met.

Those masters of cave surveying, Sexton and Hill, introduced him to the art and mysteries of mapping, Elery Hamilton – Smith invited him to join many bat banding and recovery weekends. That led him on to a long-term love of all aspects of bat research and protection.

Have you ever seen an adult male reduced to tears because he could not capture a 2mm long wingless fly (called a Nycteribid) darting around in the fur of a tiny bat? Using a small camel hair brush dipped in alcohol Fred has succeeded, but admits that nimble female fingers do it so much easier.

The Aslin passion for introducing new cavers to research and documentation has led to heated battles with people on both sides of the border, but with two generations having passed through his hands he continues to stand firm on what he has expounded for forty years.

His territory is the SE of SA and adjacent Victoria but he relished being invited to join the 1966 Mulla-mulla Expedition to the Nullarbor.

At 61 he is still active in both the exploration and documentation (is there no rest) areas and has a perpetual pile of “jobs to do” that would daunt most people. His fields of interest have expanded over the years to bone collecting, native land snail research and other cave fauna documentation. This has led him throughout SA and Australia recording frogs and snails. Some of those trips have led to the discovery of new caves. A memorable scene from an ABC Wildscreen documentary has Fred reminding the viewer that if you want to catch a snail then you have to think like a snail. Could apply to caves and karst. For all his exploits he still draws the line at meeting a snake face to face in a crawlway in a cave at Kongorong.

Kevin Mott.

Dave Lowe – Alice Springs

Moved from Adelaide to Alice Springs mid 1997. Presently working as an electrical engineer with an Indigenous organisation, designing and installing renewable energy power and water supply systems (mainly solar power) for remote communities (saves them from burning up too much diesel). Work takes me from the Kimberleys to Cape York and from the Nullarbor to Arnhem Land and I fall into a few caves along the way (e.g. Lasseter's and Tunnel Creek WA).



DAVE LOWE with Ruth and Harrison

From QLD originally, but spent most of my life in Sydney (Bungonia Caves were a well-visited favourite with plenty of vertical elements). Then Adelaide for 5 years, involved in running some outdoor adventure programmes for Westcare and YFC-Campus Life. This included regular caving trips to the Flinders Ranges, the South East and a yearly trip to the Nullarbor. Also plenty of rock climbing, canoeing, surfing and bushwalking trips. Working with 'youth at risk' certainly more challenging than any of my electrical work, but also worth it. I reckon that if being out in God's creation is good for me, then it just might be good for others too!

There are a few caves around Alice Springs, mostly small, but interesting in any case. I ran a field day last year for the Field Naturalist Club of Central Australia to a cave 80km east of Alice with the largest Stick Nest Rats' nest I've ever seen. Also "Bat Cave" is a miniature Corra Lynn within 15 minutes of Alice that sees a few visits. (Am still chasing up a lead about a huge sinkhole that's meant to be out west too.) Great trip from here to the Nullarbor via Ayers Rock and the Great Victoria Desert that I did one time too. Only took 4 days, 5 flat tyres, one bent trailer axle...

So if you're in Alice Springs and want to get out of the heat (or cold), let us know and we'll see what caves we can find.

Dave Lowe.

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UNCOVERING LIFE MEMBERS



5701 Life Member Athol Jackson.

This revealing shot of Athol mysteriously came to light recently. It was discovered that it had been taken during the 21st Biennial Conference of the Australian Speleological Federation, held at Quorn, South Australia, 1997. It appears, according to eye witnesses that Athol, not to be outdone by the younger set, proved that age holds no barriers and successfully proceeded, to the excited chanting of the crowd, to weave and ease his way through a wire coat hanger during the Cavers' Dinner. To achieve this marvellous feat of



endurance it was necessary for Athol to remove a few items of clothing and it was only through the skin of his teeth that all was not made bare for the honour of the occasion. Well-done Athol, I shall never forget this "sporting" event.

JUNE MACLUCAS, Photographer Unknown.

IT'S THAT TIME OF YEAR AGAIN MEMBERSHIP FEES ARE DUE

YEAR 2001 CEGSA MEMBERSHIP FEES

	CEGSA	+ ASF	TOTAL
FULL MEMBERSHIP	\$38.00	\$26.00	\$64.00
FULL COUNTRY MEMBERSHIP	\$32.00	\$26.00	\$58.00
ASSOCIATE MEMBER	\$31.00	\$26.00	\$57.00
LONG TERM ASSOCIATE	\$38.00	\$26.00	\$64.00
First Year Associate (no Australian Caver)	\$31.00	\$5.00	\$36.00
Life Member (Active)	\$0.00	\$26.00	\$26.00
ASF fee for full time students		\$18.50	

VARIATION FOR FAMILY MEMBERSHIP

	CEGSA	+ ASF	TOTAL
1) First Full member \$38 + second Full member \$38 Less \$16 for only 1 CEGSA NEWS	\$76.00 \$60.00	\$44.00 \$44.00	\$120.00 \$104.00
2) First Full member \$38 + Second Associate member \$31 Less \$16 for only 1 CEGSA NEWS	\$69.00 \$53.00	\$44.00 \$44.00	\$113.00 \$97.00
3) First Associate member \$31 + second Associate member \$31 Less \$16 for only one CEGSA NEWS	\$62.00 \$46.00	\$44.00 \$44.00	\$106.00 \$90.00

Chris Gibbons
Treasurer

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CEGSA APPROVED TRIP LEADERS

Subject to being financial members.

If you have a query about your status, please contact the Safety Officer.

NAME	HORIZONTAL	VERTICAL Including laddering	SRT Including abseiling
Fred Aslin	Yes	Yes	
Bill Binks	Yes	Yes	Yes
Marie Choi	Yes	Yes	Yes
Linda Deer	Yes		
Grant Gartrell	Yes	Yes	
Julius Gheude	Yes		
Damian Grindley	Yes	Yes	Yes
Max Hall	Yes	Yes	
Paul Harper	Yes	Yes	Yes
Frank Hankinson	Yes	Yes	Yes
Anne-Marie Hubycz	Yes		
Athol Jackson	Yes	Yes	
Peter Kraehenbuehl	Yes	Yes	Yes
Dave Lowe	Yes	Yes	Yes
George MacLucas	Yes	Yes	Yes
June MacLucas	Yes		
Steve Milner	Yes	Yes	Yes
Kevin Mott	Yes	Yes	Yes
Pam Payne	Yes	Yes	
Tim Payne	Yes	Yes	Yes
Graham Pilkington	Yes	Yes	
Ian Richards	Yes	Yes	Yes
Eddie Rubessa	Yes	Yes	
Mark Sefton	Yes	Yes	Yes
Tom Szabo	Yes	Yes	
Gary Woodcock	Yes	Yes	Yes

Please Note: Simon Kendrick is no longer an approved CEGSA trip leader.

LIBRARY AND RECORDS

The first working bee moved along rather slowing involving filing of periodicals and placing information into a database.

Simon Kendrick handed in some old CEGSA NEWSLETTERS and ANNUAL REPORTS from 1965 – 67 received from Arthur Ward, an early CEGSA Member whom he met while attending a Bush Walking meeting.

The Library has 20 videos available for members to view at home. Just peruse through the list and ring George or June MacLucas 8261-4180 and your choice will be brought along to meetings.

NO	DATE	TITLE	REMARKS
1	1991	Old Homestead Cave, NULLARBOR	20 Mins - No sound
2		Narrina Cave, FLINDERS	34 Mins
2		Sellicks Hill Mine Cave, ADELAIDE	36 Mins
3	1991	Cave Rescue, BUNGONIA STATE RECREATIONAL AREA NEW SOUTH WALES LECTURERS	43 Mins
4	1951-52	St Peters College with Capt. J. Maitland Thomson (Nullarbor)	Taken from original film collected by Athol Jackson.
4	1965-66	Mullamullang Expedition	Mullamullang Expedition by CEGSA 1966
5		TMX 410 Gas Analyser	Gas analyser showing Industrial portable unit that reads Oxygen, Methane, Carbon monoxide and hydrogen Sulphite
6	1997	UIS Congress, La Chaux-De-Fonds, SWITZERLAND	0:20 Speleo Art Exhibition, 4:05 Speleo Sports, 5:15 Folklorique 10:40 Gymnase Cantonale. 12:15 Biospeleology Day excursion - St Catherine Cave, Grotte de Reclere at 22 mins end Copy right Glen Baddely 1997
7		National Geographic - Mysteries Underground.	Finding Link through to Mammoth Cave, USA
8		Deep Probe - FLORIDA - Windows to the Hidden World	Underwater Exploration Beyond the Last Frontier
9	1990	Warbla Cave, NULLARBOR SA	29 mins Diving in a Nullarbor Cave, Produced by Tony Carlisle & Greg Bulling
10	1998	Nullarbor Dreaming	Cave in of Pannikin Plain Cave produced by Andrews Wight
11		Cave Safe 1, 2 & 3	CAVE SAFE 1 Enjoying & Protecting the Underground World in Safety 57 Mins,
11		Cave Safe 1, 2 & 3	CAVE SAFE 2 Ropes, Rigging, Ladders and Lifelines 55 Mins,.
11		Cave Safe 1, 2 & 3	CAVE SAFE 3. SRT and Advanced Rope work 76 Mins
12	1999	Down Deep, Down Under, Discover the Hidden Secrets of Mt Gambier's Famous Fresh Water Caves	45 Mins
13		Discover the Flinders Rangers	58 Mins, From Melrose to Arkaroola Flinders SA
14	1988	SAUSS Inc. SL250 Preliminary Assessment Dives 26-27 November 1988. NOT FOR GENERAL VIEWING	By Tom Carlisle Ten-Eighty Video, Sinkhole Research Project. Also Blue Lake TV Segments on SES Channel 8, Mid 1989, with Mgr. EWS (Mt Gambier) Vince Sweet & Carolyn Kenny. Fossil Cave with Music showing V/W Grid 1987-88
15	1989	Land of Ancient Grandeur, Flinders Rangers	30 mins Explores the ancient beauty and grandeur of the Flinders Ranges. Includes views of Sacred Canyon, Wilpena Pound, Brachina Gorge, Arkaroola, Kanyaka Homestead Ruins, Ochre Wall
16	1989	Land of Island Treasurers, Kangaroo Island	30 Mins Explores Natural beauty of Kangaroo Island, Includes Kelly Hill Caves, Emu Bay, Flinders Chase, Remarkable Rocks, Seal Bay, American River
17	1989	Land of the Rainbow Gold, Central Australia including Alice Springs	30 Mins Explores the Natural beauty of Central N.T. including Ayers Rock, The Olgas, Kings Canyon, Palm

			Valley, Chambers Pillar
18	1989	Land of Tropical Splendour, Far North Queensland	30Mins Explores Natural beauty & treasures of Far North Queensland. Includes Cape Tribulation, Daintree River, Great Barrier Reef, Crater National Park
19	1988	Land of Nature's Dreaming, Northern Territory Top End	30Mins Explores Natural beauty & treasures of Northern Territory Top End. Includes Twin Fall, Ubirr, Yellow Waters Billabong, Jim Jim Falls, Fog Dam, Berry Springs, Kakadu, Katherine Gorge
20	1989	Land of Timeless Beauty, Kimberley Western Australia	30Mins Explores The Kimberley Region of Western Australia. Includes Bungle Bungles, Wolfe Creek Gorge, Windjana Gorge, Geikie Gorge, Tunnel Creek

Working bees will continue on a monthly basis on Saturday following General Meetings from 2.00pm until late. ALL WELCOME – PLEASE CONTACT GEORGE OR JUNE 8261 4180.

George MacLucas
Library And Records Officer

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MEMBERSHIP – A QUESTION OF NUMBERS

If you ask anyone about CEGSA membership numbers the most likely response is, “The club’s doing OK” or “Membership is pretty consistent” and these responses would be right.

ANNUAL MEMBERSHIP COMPARISONS

YEAR	TOTAL	LIFE	FULL	ASSOCIATE
2000	87	12	50	25
1999	72	12	47	13
1998	70	12	47	11
1997	83	12	51	20
1996	87	12	51	24
1995	84	12	53	19
1994	85	12	49	24
1993	74	13	46	15
1992	72	11	44	17
1991	68	11	47	10

But if we look at the figures (and I’m no great mathematical or statistical genius) do they tell us another story. Give or take a bit, our total membership really hasn’t changed much over the ten years. The number of Life members is basically consistent. The number of Full members is also pretty consistent. The number of Associate members fluctuates up and down.

Does this suggest that prospective members join the club for a short period of time and then leave? Does this suggest that the core membership, the Life and Full members, is slowly aging? If the “mean age” of a CEGSA member is slowly rising, does this suggest that the club will slowly become less active (do less caving)? At what point of this aging process does the club become un-viable?

I would suggest that a static membership is not a good thing, in-fact, I would suggest that we should sit up and take notice. We should look at what we do and why we do it. We should aim for best practice management. We should seek the opinions of our newer members. We should seek the opinions of people who have left CEGSA or of cavers who will not join. We should ask ourselves, “What’s in it for me?” If we all did this and collated the results, then we would probably know what changes we need to make and the direction we need to take.

In CEGSA NEWS Volume 45, Number 1, Issue 177, Page 17, appears an article, “Been there done that”, penned by an anonymous author. While I do not necessarily endorse everything “Grumpy” wrote, there is a lot of truth contained in the article.

We all share the same dream. The dream that CEGSA is viable, active, meaningful and relevant. I hope that one day, in the not too distant future, we can all get together and make it so.

Simon Kendrick

WHY JOIN CEGSA ?

I encourage all members to ask themselves, "Why did I join CEGSA?"

While the answers to this question will vary from individual to individual, it is possible to summarise the principal answers to this question.

Organised caving clubs offer five things* that budding speleologists can't provide for themselves – and for the most part won't be able to find any other place.

- Experienced cavers, by definition, know how to cave. CEGSA members know how to cave and can show budding speleologists how. They also know the caves in their area and what's needed to explore these caves.
- CEGSA members know where the caves are. This is worth the price of admission all by itself.
- CEGSA has the ropes, ladders and other special gear necessary to safely enter and exit caves.
- CEGSA members go caving. There are scheduled trips, some to horizontal caves, some to vertical, some for beginners, some more advanced, some surveying, some searching, some digging, some photography and some just for fun.
- CEGSA will welcome you, whether you're a beginner or an experienced caver.

Organised caving clubs, like CEGSA, offer fellowship and a framework for cave exploration.

* Adapted from, *Adventure of Caving*, David McClurg, 1987.

Simon Kendrick

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INDEX TO VOLUME 45

Volume 45 contained the following issues:

45 (1) February 2000	Issue 177	45 (3) August 2000	Issue 179
45 (2) May 2000	Issue 178	45 (4) November 2000	Issue 180

The index is divided into the following categories

Caving activity by region

Technical and Other articles

Key to abbreviations used in this index

B	Biological	Bo	Botanical
D	Description	Di	Diving
E	Exploration	F	Fantasy
H	History	L	Locate
M	Map	P	Photography
Pa	Palaeontology	S	Surveying
Sc	Scientific	SR	Search & Rescue
T	Tourist	Tg	Tagged
Tr	Training	W	Work

CAVING ACTIVITY

Caving activities are listed by Cave Number, Newsletter Reference, Author, and Type of activity.

ADELAIDE HILLS

A3	45 (1) p19	G MacLucas	D, E
A25	45 (1) p18	S Kendrick	W
u/n	45 (2) p38	L Dallow	D, H

EYRE PENINSULA

No trips

FLINDERS RANGES

F1	45 (3) p65	S Kendrick	E, H
F3	45 (1) p18	S Kendrick	E
	45 (3) p66	S Kendrick	Tr
	45 (3) p74	S Kendrick	Tr
F4	45 (3) p66	S Kendrick	Tr
	45 (3) p74	S Kendrick	Tr
F10	45 (2) p36	S Kendrick	D, E

KANGAROO ISLAND

K9	45 (1) p18	S Kendrick	E
K10	45 (1) p18	S Kendrick	E
K31	45 (1) p18	S Kendrick	E

LOWER SOUTH EAST

L5	45 (2) p35	M Choi	E
L6	45 (1) p18	S Kendrick	T
L23	45 (1) p18	S Kendrick	E
	45 (2) p35	M Choi	E
L34	45 (1) p18	S Kendrick	E
L40	45 (1) p18	S Kendrick	T
L60	45 (2) p35	M Choi	
L61	45 (1) p18	S Kendrick	T
L69	45 (1) p18	S Kendrick	E
	45 (2) p35	M Choi	B, E
L119	45 (2) p36	M Choi	W
L301	45 (3) p59	D Grindley	S
L412	45 (1) p16	S Kendrick	
L426	45 (3) p59	D Grindley	D, E, H
	45 (3) p61		Sc
L427	45 (3) p60	D Grindley	D, E, M
L430	45 (3) p59	D Grindley	E, H, S, Pa

MURRAY PLAINS

M1	45 (1) p19	G MacLucas	E
	45 (3) p64 (x2)	S Kendrick	Tr
M18	45 (1) p19	G MacLucas	E
	45 (3) p64	S Kendrick	E
M38	45 (1) p7	G Pilkington	W
M39	45 (1) p8	G Pilkington	D, L, SR
M40	45 (1) p7	G Pilkington	D, L
M41	45 (3) p67	G Pilkington	D
M42	45 (3) p67	G Pilkington	D, H
M43	45 (3) p67	G Pilkington	E, L
	45 (3) p68	G Pilkington	D, E
	45 (4) p90	G Pilkington	W
M44	45 (3) p68	G Pilkington	D
M45	45 (3) p68	G Pilkington	D
M46	45 (4) p89	G Pilkington	D
M47	45 (4) p89	G Pilkington	D
M48	45 (4) p89	G Pilkington	D

NULLARBOR PLAINS

N1	45 (3) p69	G Pilkington	T
N3	45 (1) p15	J MacLucas	P
N6	45 (3) p68	G Pilkington	
N7	45 (1) p10	J MacLucas	E, H
N8	45 (1) p10	J MacLucas	T
N9	45 (1) p10	J MacLucas	T
N14	45 (1) p10	J MacLucas	
N20	45 (1) p11	J MacLucas	E, Tg
N21	45 (3) p69	G Pilkington	E
N22	45 (1) p10	J MacLucas	P
N44	45 (1) p15	J MacLucas	T
N45	45 (1) p15	J MacLucas	T
N55	45 (4) p84	P Devine	P
N63	45 (1) p15	J MacLucas	P
N83	45 (1) p6	G Pilkington	E, P, S
	45 (1) p7	G Pilkington	E, Tg
	45 (1) p11	J MacLucas	E, P, S
	45 (3) p70	G Pilkington	H, S
	45 (4) p85	P Devine	S
	45 (4) p93	G Pilkington	W
	45 (4) p94	G Pilkington	S
	45 (3) p70	G Pilkington	D, S, Tg
	45 (4) p85	P Devine	
N132	45 (4) p85	P Devine	T
N139	45 (3) p69	G Pilkington	D, H
	45 (4) p92	G Pilkington	
N140	45 (3) p69	G Pilkington	D, H
	45 (4) p86	P Devine	Tg
	45 (4) p88	P Devine	D, E, H, Tg
	45 (4) p93	G Pilkington	D, E
N143	45 (4) p84	P Devine	
N145	45 (3) p69	G Pilkington	E
N146	45 (3) p69	G Pilkington	E
N147	45 (3) p56	S Milner	E, L
N206	45 (1) p13	J MacLucas	E, P, S
	45 (4) p85	P Devine	E
N210	45 (3) p68	G Pilkington	E, S, Tg
N264	45 (3) p68	G Pilkington	
N265	45 (3) p69	G Pilkington	D, E, H, S
N372	45 (4) p94	G Pilkington	
N373	45 (4) p94	G Pilkington	
N374	45 (4) p94	G Pilkington	
N380	45 (4) p94	G Pilkington	
N383	45 (1) p13	J MacLucas	B
N385	45 (4) p86	P Devine	Tg
N386	45 (4) p86	P Devine	Tg
N400	45 (4) p94	G Pilkington	
N483	45 (1) p14	J MacLucas	
N645	45 (4) p85	P Devine	B, W
N683	45 (4) p86	P Devine	Tg
N684	45 (4) p86	P Devine	Tg
N685	45 (4) p86	P Devine	Tg
N747	45 (4) p85	P Devine	E
N758	45 (1) p13	J MacLucas	H
N868	45 (4) p86	P Devine	Tg
N982	45 (3) p69	G Pilkington	D
N985	45 (3) p69	G Pilkington	
N1177	45 (4) p84	P Devine	L
N1180	45 (4) p84	P Devine	H, L
N1181	45 (4) p84	P Devine	H, L
N1208	45 (4) p85	P Devine	Tg

N1210	45 (4) p94	G Pilkington	
N1211	45 (4) p94	G Pilkington	
N1214	45 (4) p94	G Pilkington	
N1218	45 (4) p85	P Devine	E
N1225	45 (3) p69	G Pilkington	
N1313	45 (4) p94	G Pilkington	
N1314	45 (4) p94	G Pilkington	Tg
N1347	45 (4) p85	P Devine	E
N1348	45 (4) p86	P Devine	H
N1369	45 (4) p85	P Devine	E
	45 (4) p86	P Devine	S
N1383	45 (4) p85	P Devine	
N1384	45 (4) p85	P Devine	E, H
N1411	45 (1) p13	J MacLucas	B, D, P
	45 (4) p86	P Devine	E, P
N1414	45 (1) p15	J MacLucas	E, P
	45 (4) p86	P Devine	T
N1536	45 (1) p27	P Devine	B
N1551	45(4) p84	P Devine	
N1556	45 (1) p27	P Devine	B
N1586	45 (1) p27	P Devine	B
N1593	45 (1) p27	P Devine	B
N1602	45 (1) p24	M Meth	D, H
N1603	45 (1) p24	M Meth	H
N1612	45 (1) p27	P Devine	B
N1620	45 (3) p70	G Pilkington	L
N1638	45 (1) p11	J MacLucas	D, E
N1648	45 (4) p88	P Devine	
N1649	45 (4) p89	P Devine	
N1650	45 (1) p24	P Devine	Tg
N1651	45 (1) p24	P Devine	Tg
N1652	45 (1) p24	P Devine	Tg
N1653	45 (1) p24	P Devine	E, Tg
N1654	45 (1) p24	P Devine	Tg
N1655	45 (4) p84	P Devine	D, H
N1656	45 (4) p84	P Devine	D
N1657	45 (4) p84	P Devine	H
N1658	45 (4) p84	P Devine	H
N1659	45 (4) p84	P Devine	
N1660	45 (4) p84	P Devine	
N1661	45 (4) p84	P Devine	
N1662	45 (4) p84	P Devine	D
N1663	45 (4) p86	P Devine	D
N1664	45 (4) p86	P Devine	L
N1665	45 (4) p86	P Devine	D
N1666	45 (4) p86	P Devine	
N1667	45 (4) p86	P Devine	
N1668	45 (4) p86	P Devine	
N1669	45 (4) p86	P Devine	
N1670	45 (4) p86	P Devine	
N1671	45 (4) p86	P Devine	
N1672	45 (4) p86	P Devine	
N1673	45 (4) p86	P Devine	
N1674	45 (4) p86	P Devine	
N1675	45 (4) p86	P Devine	
N1676	45 (4) p86	P Devine	
N1677	45 (4) p86	P Devine	
N1678	45 (4) p86	P Devine	
N1679	45 (4) p86	P Devine	Tg
N1680	45 (4) p86	P Devine	Tg
N1681	45 (4) p86	P Devine	Tg
N1682	45 (4) p86	P Devine	Tg
N1683	45 (4) p86	P Devine	Tg

N1684	45 (4) p86	P Devine	Tg
N1685	45 (4) p86	P Devine	Tg
N1686	45 (4) p86	P Devine	Tg
N1687	45 (4) p86	P Devine	Tg
N1688	45 (4) p87	P Devine	
N1689	45 (4) p87	P Devine	
N1690	45 (4) p87	P Devine	D
N1691	45 (4) p87	P Devine	
N1692	45 (4) p87	P Devine	
N1693	45 (4) p87	P Devine	D
N1694	45 (4) p87	P Devine	
N1695	45 (4) p87	P Devine	
N1696	45 (4) p87	P Devine	
N1697	45 (4) p87	P Devine	
N1698	45 (4) p87	P Devine	
N1699	45 (4) p87	P Devine	
N1744	45 (4) p94	G Pilkington	D, Tg
N1745	45 (4) p94	G Pilkington	D, Tg
N1746	45 (4) p93	G Pilkington	H, Tg
N1747	45 (4) p93	G Pilkington	H, Tg
N1748	45 (4) p93	G Pilkington	H, Tg
N1749	45 (4) p93	G Pilkington	H, Tg
N1750	45 (4) p87	P Devine	
N1751	45 (4) p87	P Devine	
N1752	45 (4) p87	P Devine	
N1753	45 (4) p87	P Devine	
N1754	45 (4) p87	P Devine	
N1755	45 (4) p87	P Devine	
N1756	45 (4) p87	P Devine	
N1757	45 (4) p87	P Devine	
N1758	45 (4) p87	P Devine	
N1759	45 (4) p87	P Devine	B, S
N1760	45 (4) p87	P Devine	
N1761	45 (4) p87	P Devine	S
N1762	45 (4) p87	P Devine	
N1763	45 (4) p87	P Devine	
	45 (4) p94	G Pilkington	D
N1764	45 (4) p87	P Devine	B, D
N1765	45 (4) p87	P Devine	
N1766	45 (4) p87	P Devine	
	45 (4) p94	G Pilkington	
N1767	45 (4) p87	P Devine	
	45 (4) p94	G Pilkington	
N1768	45 (4) p87	P Devine	
	45 (4) p94	G Pilkington	
N1769	45 (4) p87	P Devine	
N1773	45 (4) p87	P Devine	B, D, H
N1776	45 (4) p88	P Devine	D, E, H
N1777	45 (4) p88	P Devine	
N1778	45 (4) p88	P Devine	
N1779	45 (4) p88	P Devine	S
N1785	45 (4) p88	P Devine	
N1786	45 (4) p88	P Devine	
N1787	45 (4) p88	P Devine	
N1788	45 (4) p88	P Devine	
N1789	45 (4) p88	P Devine	
N1790	45 (4) p88	P Devine	
N1791	45 (4) p88	P Devine	
N1792	45 (4) p88	P Devine	
N1793	45 (4) p88	P Devine	
N1794	45 (4) p88	P Devine	
N1795	45 (4) p88	P Devine	
N1796	45 (4) p88	P Devine	

N1797	45 (4) p88	P Devine	
N1798	45 (4) p88	P Devine	
N1799	45 (4) p88	P Devine	
N1800	45 (4) p89	P Devine	D, H
N1801	45 (4) p89	P Devine	D, H
N1802	45 (4) p89	P Devine	D, H
N1571	45 (3) p54	S Milner	B, D, E
	45 (3) p58		M
	45 (4) p98		H
N1572	45 (3) p54	S Milner	D, E, L
	45 (3) p58		M
	45 (4) p98		H
N1573	45 (3) p54	S Milner	D, E, L
	45 (3) p58		M
	45 (4) p98		H
N1574	45 (3) p54	S Milner	D, E, P
	45 (3) p57		M
	45 (4) p98		H
N1575	45 (3) p55	S Milner	D, E
	45 (4) p98		H
N1576	45 (3) p55	S Milner	
	45 (4) p98		H
N1577	45 (3) p55	S Milner	D, E
	45 (3) p58		M
	45 (4) p98		H
N1578	45 (3) p56	S Milner	D, E
	45 (3) p57		M
	45 (4) p98		H
u/n	45 (1) p16	J McLucas	D
u/n	45 (1) p24	P Devine	D
u/n	45 (4) p87	P Devine	D
NX77	45 (4) p84	P Devine	H
NX80	45 (4) p84	P Devine	H
NX156	45 (4) p94	G Pilkington	
NX157	45 (4) p94	G Pilkington	
NX326	45 (4) p84	P Devine	H
NX572	45 (4) p86	P Devine	
NX609	45 (4) p84	P Devine	
NX610	45 (4) p84	P Devine	
NX681	45 (4) p84	P Devine	H
NXG2	45 (3) p69	G Pilkington	D
NXG3	45 (3) p69	G Pilkington	D
	45 (4) 93	G Pilkington	H
NXG5	45 (3) p69	G Pilkington	D
	45 (4) p93	G Pilkington	H
NXG6	45 (3) p69	G Pilkington	D
	45 (4) p93	G Pilkington	H
NXG7	45 (3) p71	G Pilkington	D
NXG13	45 (4) p94	G Pilkington	D
NXK41	45 (4) p94	G Pilkington	D
NXK42	45 (4) p94	G Pilkington	D

TORRENS

T1	45 (1) p8	G Pilkington	D, E, H, S, Tg
T2	45 (1) p9	G Pilkington	

UPPER SOUTH EAST

U1	44 (4) p78	M Choi	Pa
U3	45 (1) p18	S Kendrick	T
U8	45 (1) p18	S Kendrick	E
U12	45 (1) p18	S Kendrick	Tr

	45 (1) p18	S Kendrick	E
U15	45 (1) p18	S Kendrick	Tr
	45 (1) p18	S Kendrick	E
U37	45 (4) p95	M Choi	E
U47	45 (1) p18	S Kendrick	Tr
	45 (4) p95	M Choi	E
U65	45 (4) p96	M Choi	E
U151	45 (1) p18	S Kendrick	

YORKE PENINSULA

Y1	45 (1) p19	G MacLucas	E
	45 (3) p71	G Pilkington	E, W
	45 (3) p74	S Kendrick	E
	45 (4) p92	G Pilkington	Pa
	45 (4) p99		H
Y2	45 (3) p72	G Pilkington	
Y4	45 (3) p71	G Pilkington	D, H, L

INTERSTATE & OVERSEAS

3BR1	45 (1) p19	S Kendrick	E
3BR2	45 (1) p18	S Kendrick	E
3BR5	45 (1) p18	S Kendrick	B, E
3BR2	45 (1) p19	S Kendrick	E
3BR7	45 (1) p18	S Kendrick	
3BR28	45 (1) p19	S Kendrick	E
3BR29	45 (1) p19	S Kendrick	E
3BR30	45 (1) p19	S Kendrick	E
3BR59	45 (1) p18	S Kendrick	E
3BR61	45 (1) p19	S Kendrick	E
3BR65	45 (1) p19	S Kendrick	E
3BR80	45 (1) p19	S Kendrick	E
3BR81	45 (1) p19	S Kendrick	E
3DD4	45 (3) p73	M Choi	E
3H15	45 (3) p72	M Choi	E
3H16	45 (3) p72	M Choi	E
3H? (Chocolate Surprise)	45 (3) p72	M Choi	E
7IB10	45 (2) p34	M Choi et al	E
7IB11	45 (2) p34	M Choi et al	E
7MC1	45 (2) p32	M Choi et al	E
7MC13	45 (2) p32	M Choi et al	E
7MC14	45 (2) p34	M Choi et al	E
7MC15	45 (2) p33	M Choi et al	E
7MC203	45 (2) p32	M Choi et al	E
Drik Drik	44 (2) p34	M Choi	E, S
Wolf Hole (Tas)	45 (1) p4	A Clarke	B, E, P
	45 (2) p34	M Choi et al	

TECHNICAL AND OTHER ARTICLES

Technical and Other Articles list the Title of the article, Newsletter reference and the Author.

Access arrangements for Y1		45 (4) p99
Accident - O-9 Well, Texas, USA		45 (4) p100
Acidosis - the facts		45 (3) p61
Award summaries (1999)	M Choi	45 (1) p3
Been there - done that	Grumpy	45 (1) p17
Camping practices ...Lechuguilla	D Grindley	45 (1) p20
Cave fauna report - Balgair Stn	P Devine	45 (1) p27

Cave occurrence at Myponga Dam	L Dallow	45 (2) p37
Cavers Dinner and cave clean up	M Choi	45 (2) p35
Errata for Vol 45 (3)		45 (4) p98
Index Volume 44		45 (2) p44
Friends of the Forest	M Choi	45 (2) p31
Marriage of Fred Aslin to Jeanette Nearmy		45 (4) p100
Notice of motion		45 (1) p25
Notices of motion		45 (4) p106
Obituary - Stuart Keith McEachern	Viv & Bob Peters	45 (3) p77
		45 (4) p98
Photo flight-Bunda Cliffs -9/9/1989	M Meth, A Jackson	45 (4) p90
Questions & dilemmas (CO ₂ in L426)		45 (3) p61
Suck it and see (CO ₂ in L426)		45 (3) p61
The riddle of the Blue Lake		45 (2) p37
Training (<i>responsibilities</i>)	S Kendrick	45 (2) p43
Visitor Indemnity Forms	S Kendrick	45 (3) p51
Whale of a time	K Mott	45 (1) p16

Kevin Mott.

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INTERESTING ITEMS ON THE WEB

The BLM Elko Field Office has just completed a webpage interpreting our work at Mineral Hill Cave. The site is Pleistocene in age, and contains a wealth of well-preserved faunal material. Most of the bones date between 30,000 and >50,000 BP. We have created a virtual tour that discusses our research efforts to date. We also have posted a number of photos of the bones, including comparison photos with modern specimens.

If anyone is interested in taking a peek, it can be accessed at:

<http://www.nv.blm.gov/Elko/cultural/mineralhill.htm>

In a previous ACKMA jnl, Elery mentioned about Sue Churchill's book guide to the identity and distribution of bats in Australia being one of the best general books around on bats in caves etc. It is being remaindered at the Andrew Isles Book shop in Melbourne - selling for less than half price. Below is the detail from the Andrew Isles website:

Australian bats. Frenchs Forest: 1998. Paperback, 230 pp.,
NOW \$15 + \$5 postage.

A guide to the identification of 75 species, with photograph, map and biological information for each species.

You can order via internet by going to: **<http://www.AndrewIsles.com>**

It may be interesting... I have prepared some virtual guides made with the interactive VR Panoramas (Virtual Reality Panoramas). VR Panorama is stitched together from 8 and up to 36 photos, so this technique is quite difficult for use underground. Some finished projects:

<http://WWW.burger.si/Jame/PostojnskaJama/UvodENG.html>

<http://www.burger.si/Jame/SkocjanskeJame/ParkSkocjanskeJame.html>.

I am continuing with some other caves in Slovenia..."home of the original Karst"

Kind regards!

Bostjan Burger

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ERRATA

Vol. 45 No. 4 Ed. 180

P 97 Membership Fees for 2001

Family Memb(a) (with only 1 CEGSA NEWS) should read \$53 and \$95, not \$45 and \$87.

P 99 Access arrangements for Corra Lynn Cave (5Y1).

Trip Notice

Under advice from the Land Owner, **No** Commercial caving is permitted under any circumstance.

CALENDAR OF EVENTS

Date	Type of Event	Description	Contact
28/02/01	General Meeting	Royal Society Room	Paul Harper
03/03/01	Working Bee	Library and records	George MacLucas
Feb-Mar	Caving	Beekeepers Cave - Naracoorte	Ian Lewis
03-04 /03/01	Caving	Photo W/Shop & Cleanup Aust. Day Whiskas Woolshed Penola	Marie Choi
14/03/01	Committee Meeting	Old Queens Arms Hotel, 88 Wright St. Adel.	Paul Harper
25/03/01	Social Caving & BBQ	Corra-Lynn Cave Curramulka	Marie Choi
28/03/01	General Meeting	Royal Society Room	Paul Harper
31/03/01	Working Bee	Library and Records	George MacLucas
11/04/01	Committee Meeting	Old Queens Arms Hotel, 88 Wright St. Adel.	Paul Harper
13-16 /04/01	Easter Caving	Cave Ridge and Mt. Gambier with CCV	Marie Choi
25/04/01	General Meeting	Royal Society Room	Paul Harper
28/04/01	Working Bee	Library and Records	George MacLucas
09/05/01	Committee Meeting	Old Queens Arms Hotel, 88 Wright St. Adel.	Paul Harper
23/05/01	General Meeting	Old Queens Arms Hotel, 88 Wright St. Adel.	Paul Harper
26/05/01	Working Bee	Library and Records	George MacLucas
	Caving	Ongoing Vic Fossil Survey contact	Garry Woodcock
	Caving	Regular trips to 5A25 contact	Grant Gartrell
		Terry Reardon Bat Project contact	Marie Choi
28/12/01 -15/1/02	Caving	Tassie Mole Creek - Ida Bay - Junee Florentine	Marie Choi

Don't forget to register your trip with the Trip Liaison Officer so that the trip becomes official and is covered by insurance. If it is not registered then it is not covered and you may be liable. You must also be an accredited trip leader with the appropriate skill endorsement to take a party underground. Also, please make sure that a report of the trip is submitted.

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Safety Warning

The front cover of the CEGSA NEWS Volume 45, No. 4, Edition 180, of November 2000 showed a newer member of the club exiting Cave Park Cave up an approximately 4 metre ladder pitch whilst not belayed. It has been pointed out that this is not congruent with ASF Cave Safety Guidelines 7.2 which states that 'Safety lines (belays) should be used on all pitches where a ladder is more than just a hand-hold'. As the person responsible for running that trip I accept responsibility for that trip and realise that a belay should have been used. I wish to remind members to follow accepted safety practices. As a Committee member and office bearer it is important that I, and all experienced members set a good and safe example to our newer members.

Marie Choi.