

CEGSA NEWS



Newsletter of the Cave Exploration Group of South Australia Inc.

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CAVE EXPLORATION GROUP SOUTH AUSTRALIA Inc.

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

<http://www.users.on.net/smilner/index.html>

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

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Cover Photograph:- Chris Hales and Ian Charlesworth with their raffle prize, Teddy Trog, at the SA / VIC Caveman's Christmas Dinner at Wiskas Woolshed, Penola.

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The deadline for copy or background material for Volume 43 Number 2 (Issue 170) must reach the Editor by Wednesday 13th May 1998. Material not meeting this deadline may be retained for possible use in a following issue. The preferred method is on 3.5" IBM floppy disk or via EMAIL at atholjax@cobweb.com.au as an attachment, 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.

LETTER TO THE EDITOR

Sir

I have just perused volume 42 of CEGSA News to prepare the index. I was surprised to find in some issues that members seem more interested in venting personal feelings rather than objective trip reporting. Let's maintain some credibility and interest in the News and sort out personal differences privately.

Thank you to the people who use cave numbers in their reports, particularly those who summarise the caves visited and relate cave names and numbers at the start of the article. New caves are continually being recorded so it is impossible for me to be aware of names for all features, as updates to regional listings are not produced. The problem with cave names is that different people tend to use different names for the same feature.

None the less please keep producing trip reports in the News as it is the only way we country bumpkins learn what people are doing and the indexing keeps me off the street.

Kevin Mott

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PRESIDENTS SPOT

Since the last CEGSA News we have seen a few well-attended social events. The first was the General Meeting held at the Crown and Anchor in the City and there was the Christmas Dinner which was held at Whiskers Woolshed near Penola (see the report elsewhere in this issue). Another social occasion was the barbecue at Gary Woodcocks place just before Christmas.

People have also been busy caving down in the South East, and in Tasmania (see the caving reports in this issue). Future trips appear to be increasing with trips planned to the SE, Flinders, Nullarbor and elsewhere. Of note, the Caving Club of Victoria (CCV) has proposed a joint CCV/CEGSA trip to Nelson and the lower Lower SE at Easter. This is to be based at Nelson on the Glenelg River with some great caving planned and some family orientated caving activities. Ring the organizer Robert Atkins or myself for details.

The committee and sub-committees have been busy, catching up with a multitude of issues that have needed attention and brief reports were made at the January General Meeting.

Lastly, CEGSA has a website. In my spare time I have put together a website which hopefully will attract attention to caving in South Australia, and perhaps get more people excited about caving and exploring the uncharted caves around us.

Point your browser to "<http://www.users.on.net/smilner/index.html>"

Steve Milner.

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Remember that the ASF Code of Ethics and Conservation (1992) and the Minimal Impact Caving Code (1995) exist and that it is every cavers responsibility to ensure that their activities are consistent with these codes.

See <http://rubens.its.unimelb.edu.au/~pgm/asf/stds.html>

Steve Milner.

TRIP REPORTS

CEGSA Christmas Dinner Weekend at Wiskas Woolshed

This was a pretty good event. The inaugural CEGSA Christmas Dinner, held near Penola at Whiskers Woolshed was organised by Marie Choi and we all thank her for her efforts. Unfortunately for her, she did such a good job that she's got the job for next year as well!

Whiskers did an excellent job on the catering and provided magnificent fare for the 40-odd attendees. His fine effort contributed to the success of the event.

The whole weekend was of course centred around caving. First, was a raffle for 8 places on a Sand Cave trip on the Saturday morning. 18 tickets were sold and the 8 winners were: Mark Sefton, Reto Zollinger, George MacLucas, June MacLucas, Pam Alvaro, Yvone Ingeme, Jude Matthews and Heath Butler. The same morning, Dave Trehearne and Simon Kendrick led trips to Naracoorte caves, Marie Choi, Chris Hales and Kevin and Adrian Mott investigated caves around Penola and Steve Milner led three youngsters (6 to 8 year olds) around the entrances of the same Penola caves. The trip reports should be elsewhere in this journal.

The highlight was of course the dinner, with magnificent entree, main course and desert. The atmosphere was appropriate for such an occasion with liberal quantities of fine beverages consumed. The Teddy Bear Raffle was won by Ian Charlesworth (who donated it to Chris Hales: ed) and the 2nd prize of a pen went to Mark Sefton. This raised \$250 towards cave conservation. The raffle continued with the 1st prize going to Marie Choi (Voucher & Film), 2nd to Jude Matthews (Bottle Wine & Film) and 3rd prize to Marie (Battery & Film). After dinner, the games started...

Prizes were donated by various individuals for the games: Scout Outdoor Centre (Simon Kendrick: 2 gift vouchers), Southcorp Wines (Kevin Mott: 4 bottles of wine), Andy (Wiskas) Clifford (6 pack of beer and pen), Southside Centre (Marie Choi: 5 Duracell 4.5v batteries), Shutterbug Photographers (Marie: 3 rolls film), Jude Matthews (Bar Book and Stationery), Steve Milner (Bolting Drill), Pam Alvaro (Gingerbread Bats), Reto Zollinger (Mini Prusiking Caver) and Marie Choi (Mars Bars and Teddy Bear).

The bolting competition was simply to drill by hand a bolt into a big chunk of Gambier limestone. The rock was pretty soft and the fastest time of just under 2 mins was recorded. The booby prize went to NAME SUPPRESSED for the slowest time of 11 minutes. The fastest was not necessarily the safest, and the safest anchor placement went to Kevin Mott who placed his first ever bolt.

George and June introduced the phone book climbing competition, which involved the multiple skills of balance and dexterity, nevertheless it was physique that dictated the winner. The usual coat hanger competition was again won by those possessing the most suitable physique. The prize for the skinniest person was a big plate of the gingerbread bats!

By far the most hilarious scene was the overall stuffing competition where the teams had to stuff as many people as possible into a giant pair of overalls. Kevin Mott had resurrected the overalls from a 20-odd year retirement, and they survived. CEGSA beat VSA by 11 people to 9. The funniest moment was when the private parts of CEGSA female A were in indelicate proximity to CEGSA male B who could hardly contain himself... and then there were all the others trapped inside!

The winners were:

Kids Coat hanger Competition:	1st	Christie (?)	Prusiking Caver
	2nd	Adrian Mott	Bat Book & Stationery
[Tight] Coat hanger - Adults	1st	Jude Matthews	All the gingerbread
	2nd	Steve Milner	No Prize
Bolting Competition	[Safest] 1st	Kevin Mott	Petzl Bolting Driver
	[Fastest] 1st	Dave Trehearne	Duracell Battery
Overall Stuffing	1st	CEGSA	Wine & Beer
Phone Book Climbing (male)	1st	Dave Trehearne	Gift Voucher
	2nd	Reto Zollinger	Bottle Wine & Battery
Phone Book Climbing (female)	1st	Pam Alvaro	Battery
	2nd	J. Kraehenbuehl	Battery
Phone Book Climbing (under 16)	1st	Adrian Mott	10 Mars Bars

The evening progressed / degenerated with the imbueement of plenty of fluid and a fine slide show by both VSA and CEGSA members. A social weekend to remember.

Steve Milner

NORTHERN FLINDERS RANGES

DATE: November 13-16, 1997

TRIP LEADER: Eddie Rubessa

PARTICIPANTS: Ray Gibbons
Kerry Ninnes

TRIP OBJECTIVE: Locate F81 and to attempt a further penetration into Spring Cave F127.
Also further surface exploration for more caves.

TRIP REPORT:

En route to the Northern Flinders Ranges Ray stopped at an area we considered back in Easter and May 1997 which appeared to be interesting from a distance. Referring to a geology map of the area confirmed that limestone occurs in this area. We entered a gully, which turned into a very steep and amazing gorge with lots of holes up high, a few of which can be numbered. We certainly will be looking over this area more thoroughly in the near future.

We arrived at our campsite later that afternoon and went to the pool in the gorge for a dip. The next day, Nov 14, we tried to find F81, but were unsuccessful. However we then walked the area north of F82, Attic Cave and subsequently found a new cave tagged and numbered F130, Indecision Cave. The entrance is approx. 2m x 2m, the total length is approx. 10m, the width is approx. 2m tapering to a small window approx. 0.5m.

Back for lunch and a lingering dip by the waterfall before attempting to negotiate further in F127. Kerry was almost in but a salient piece of rock was protruding into her back and made progress untenable at the moment. Back to the pool to wash off the dust. The day was also quite hot and humid and we were subjected to the rain, thunder and lightening storms that passed over the Flinders. That evening we set our chairs up and watched a mountainous cloud drift by in the distance, giving us a spectacular lightening show.

Saturday, Nov 15, we drove down a track that required us to do some track repairs at times, in order to continue our journey. This took us to numerous old mines and some historical ruins. En route we found a gully in outcrops of limestone where we discovered the remains of a large collapsed karst feature and a small cave associated with it. This cave is approximately 5m x 2.5m x 1m and is numbered F131, Stick Nest Rat Mine Cave. On a ledge of the collapse we found the remnants of a Stick nest rat's nest. Another cave was located 500m ESE of F131 and numbered F132, Mooroo Mine Cave. This is a small through cave with both entrances being approx. 1m x 1m. We walked south from this cave for approx. a kilometre searching around the hill for caves. Holes in the distant hills were observed but not investigated. We drove to a gorge further south that we explored and four new caves were found. F133, See All Cave, the entrance is quite visible from a distance being approx. 15m x 3m. Inside the cave has a vertical component, which was difficult to explore. F134, Big Wiggly Bits Cave is located about 2m above a spring, the entrance is approx. 6m x 1.7m, the cave went in approx. 7m with a small back extension and no further leads. F135, Little Wiggly Bits Cave is approx. 10-15m east of F134, dimensions being 6m x 2m x 1m. F136 is located up a hill slope with an open face entrance approx. 3m x 3m with a 5m vertical component. This gorge and surrounding area consists of Wilkawillina limestone and warrants much further investigation.

Sunday, Nov 16, we packed up to leave and negotiated a tricky road due to the rain washing out parts of the track. On the way out we visited F83, Collapse Cave and found remnants of a Stick nest rat's nest. A skull was recovered from the nest and is reported to be that of a young Brushtail Possum *Trichosurus vulpecula*.

Eddie Rubessa.

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Tham Pha Daeng (MH 66) - North-West Thailand

The Mae Hong Son province in northwest Thailand is home to many spectacular caves, including some of the longest in South-East Asia (Dunkley and Brush 1986, Dunkley 1994, 1995). Tham Pha Daeng (Red Cliff Cave) - MH 66 is a fine stream passage through-cave, situated to the west of the Nam Khong river, near the border with Burma, and is just a few kilometres from Tham Mae Lana (12 600 m) and Tham Nam

Lang (8550 m), the two longest in the country. During the Australian expedition of 1998, a trip to MH 66 and several nearby 'coffin caves' was undertaken as a little light relief between explorations of Tham Nam Lang and Tham Mae Lana. The cave was surveyed by Dorothy Nichterlein, John Dunkley, Ken Boland and the author in a single three hour trip. A map was produced shortly after, but has, hitherto, not appeared in print. Some details of this cave, and others in the vicinity are given in Dunkley (1995). MH 66 should not be confused with MH 75, another cave with the same name.

Location. The resurgence of Tham Pha Daeng (MH 66) is located high above, and to the west of the Nam Khong river, at the top of a slope of massive boulders. The upstream entrance is approximately 700m to the southwest (see map for precise relative coordinates) on the other side of a ridge. Several 'coffin caves' (see below) are located in the cliff above the upstream entrance.

Description. The upstream end of the cave begins with an impressive cliff-side entrance, the stream entering via a smaller second entrance 20 m to the south. After a climb down among boulders in a 35 m long by 15 m wide chamber, the stream is reached on the right hand side. The passage forks for a short distance, with the easier route on the right. The cave continues as a single stream passage, averaging some 5 to 10 m in width and, for the most part, in excess of 5 m high. After passing two oxbows, first on the right and then on the left, the passage narrows to a small hole, widening again immediately on the far side. Although a simple crawl when the cave was surveyed at the end of the dry season, this constriction almost certainly sumps in wetter weather (one or two other parts of the cave probably also sump). The passage continues, past calcite flows on the left and right, then a sandy alcove on the left at a point where the passage turns sharply right. Several large columns up to four metres in diameter are encountered in this section and beyond. A small side passage (unexplored) is then passed on the right, and the stream is followed for a further 300 m before finally emerging from the side of a cliff, 1090 m from the upstream entrance. The total surveyed length of the cave is 1323 m. The length (1100 m) cited in Dunkley (1994, 1995 p11) is an approximation of the traverse length.

Pha Daeng Coffin Caves (MH 139-142). Five small largely daylight caves, four containing ancient teak coffins, are located in the cliff face above the upstream entrance to Tham Pha Daeng (see Dunkley, 1995 for cave descriptions). Two were visited by the group, following the survey of Tham Pha Daeng. Such coffins, made from hollowed-out teak logs, are found in many of the caves in the north and west of Thailand. They are between 1300 and 2500 years old, and are artefacts of an ancient civilization that inhabited the northwest of Thailand before disappearing more than a thousand years ago. Unfortunately, many of the coffins have been badly damaged by local honey gatherers who use them for firewood to smoke out bee swarms. At Tham Pha Daeng, bamboo scaling poles, up to 30 m long, were evidence of such activity.

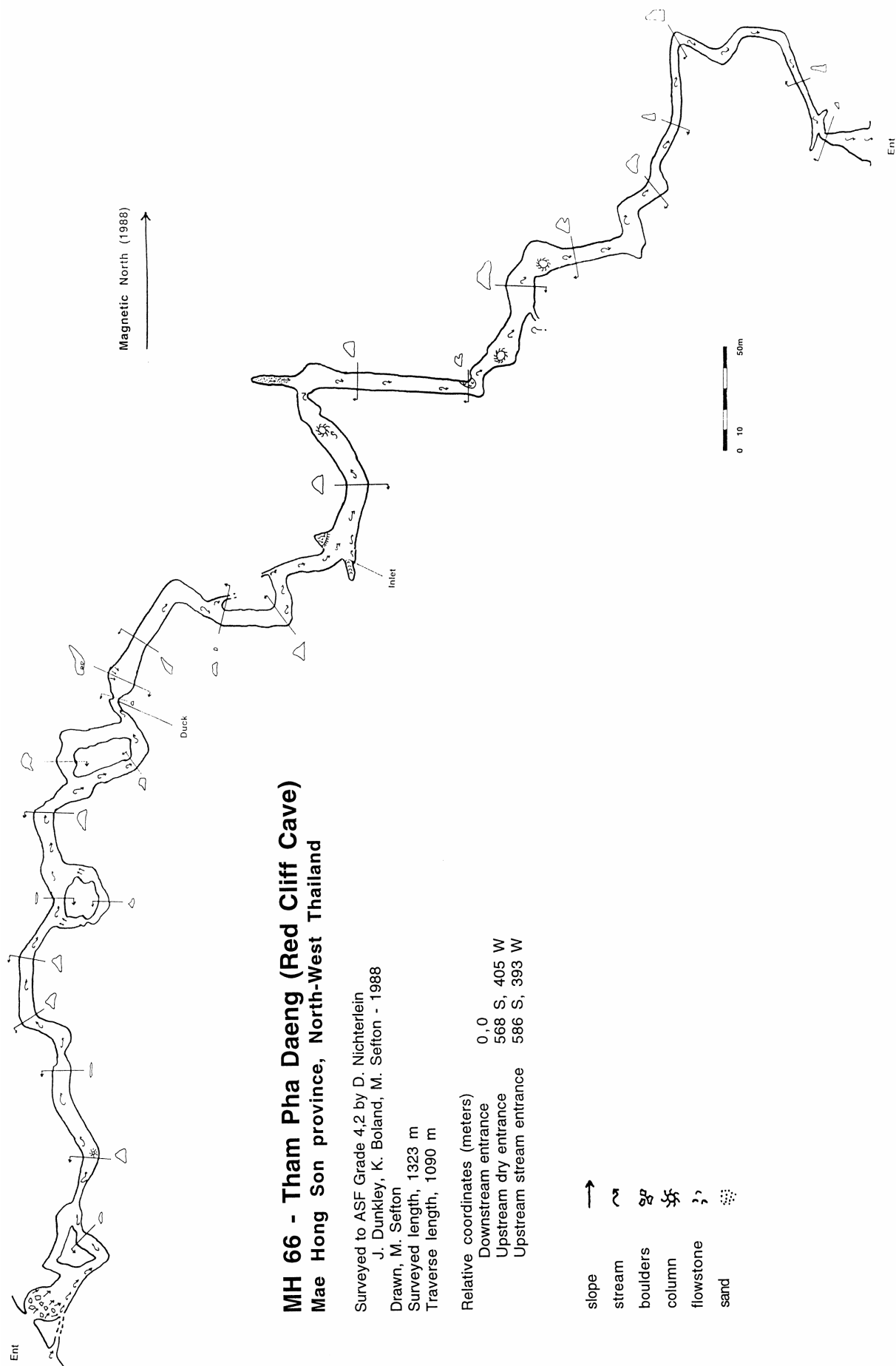
The first cave visited and documented was Pha Daeng Coffin Cave Nr 2 (MH 142). Several simple coffins were suspended across wooden beams in the roof of a 7 m high chamber. These could be viewed from above *via* a climb up to a second, higher level entrance and were in near-pristine condition. In the second cave, Pha Daeng Coffin Cave Nr 1 (MH 139), three large and ornate, but damaged coffins had not fared so well. Each had been hewn from a single teak log, split down the centre to make a coffin plus lid. The ends had been carved to resemble the prow of a ship and had apparently once been suspended from two crossbeams, supported by four massive uprights. The four uprights surrounding one of the coffins appeared to have had some sort of four-legged animal carved on the sides, but only remnants of these carvings now remained. We saw no bones, nor artefacts of any kind in any of the coffins in either cave.

As intended, the trip through Tham Pha Daeng made for a relaxed, but highly rewarding outing, and anyone visiting the area could profitably do likewise. Equally memorable was the drive back to base. Seventeen of us in all were crammed into an old Landrover, with those in the back leaning first one way then the other in order to keep the vehicle upright as we churned slowly up and down muddy tracks on the hillsides, chains on the wheels, first gear and four-wheel drive all the way - a vivid reminder of the ruggedness and remoteness of this part of the world.

References

- Dunkley, J.R.; Brush, J.B. Caves of North-West Thailand. Speleological Research Council Ltd, Sydney, Australia. 1986
 Dunkley, J.R. Thailand Caves Catalogue. Speleological Research Council Ltd, Sydney, Australia. 1994
 Dunkley, J.R. The Caves of Thailand. Speleological Research Council Ltd, Sydney, Australia. 1995.

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PUNYELROO CAVE, SWAN REACH

DATE: Saturday 13 December 1997.

PARTY: International group comprising Peter 'Puddles' HORNE (Trip Leader) and Korean first-timers Eun-do SUNG, her mum Mrs Kyoung-ja LEE, Mrs Da-woon (Myung-ok) JUNG, her son Jin-woong HONG, Young-mi JANG, my nice flat-mate Soung-taek KWON and three other Korean guys.

This was just a quick one-day-to-the-Murray trip for this party, all sharing a 12-seater hire minibus for the first time and being supplied with a myriad of lights and helmets etc provided by yours truly and Marie Choi (thanks again Marie!!). As Da-woon and her friend Kyoung-ja were 40-ish ladies who had NO idea whatsoever about the river's snakes or cliff-climbing requirements (let alone the cave itself - heh, heh!), and their young kids were also not "atmospherically-oriented" types, I tried to find another method by which they might have been able to access the cave's entrance without having to descend and later of course, ascend the rather difficult cliff (well, it IS a bit awkward for first-timers and fossiliferous cavers with crook hips and backs!).

In my efforts to find an alternative route, I was put in touch with a number of very helpful local identities who I hoped might have been able to suggest a small boat or something to get across to the cave from the other side of the river, but then learned that the lagoon at the cave was extremely shallow due to lack of rain and anything larger than a kayak would most likely never make it anywhere near the edge before becoming bogged. So I prepared the party for the cliff descent, knowing the terror which faced at least four members of the group (who suffered everything from vertigo to claustrophobia, I was later to discover halfway into the cave!), and resigned myself to having to take forever to get down the cliff face ... until I was fortunate enough to contact the landowners, John and Margaret Kroehn, who very kindly offered to provide an alternate vehicular access facility via a track down to the river!

Meeting up with John and Margaret soon after midday, we were entertained for a short time by their pet lamb (now a sheep) before driving down to the cliff. One look was enough for the 4 non-cliff-ites ... so while the rest of us scrambled down the "real" way, the others sat back in relative luxury in John's vehicle and met us at the pump at the bottom about 15 minutes later!

Offering to return at 4pm to take "the softies" back up the cliff again, John bade us farewell and we slugged our way to the cave and went in, doing all the usual things like bumping heads and getting exhausted and sitting in the dark at Randells Rock while the more adventurous boys crawled right up into the final chamber etc etc. I told them about the "lake room" (hee hee again), and intended to take them into this little grovel, but while I stayed back for a few minutes the others went off too far, out of earshot (despite my warnings), and I spent a few more minutes looking in the lake room in the hope of encountering them there. However, there was no sign of them so I could only head out alone, hoping that they had either gone along the main route OK or had stopped further along if they had become disoriented.

As it turned out, about 15 minutes later I ran into my flat-mate, Soung-taek, who had thoughtfully waited near the duck-under log junction for me, and he said the others had wanted to get out fairly quickly (especially the older lady who had claustrophobia - although because of language problems, I hadn't known of the problem earlier). Sure enough they were all happy and healthy outside, and after we walked back to meet John at the pump, they were all very pleased with their visit to one of my favourite Murray River caves - especially when I gave them some little Certificates to remember the day!

A bonus from this trip for CEGSA I feel was the great personal welcome we received from John and Margaret at their house - the only one to the right of the cave gate, about a kilometre along the main highway and at the end of another 1-2km driveway track - and they have offered to provide similar assistance for other groups which might care to contact them. John also dug out some old historical information others had provided him about the cave, especially one very interesting report referring to "The South Australian Naturalist" of October 1938 (Vol. 19 No. 2) entitled "A Limestone Cave at

Swan Reach, River Murray, SA" by L.W. Parkin in which reference to the two old logs is made, many years before the comments I have read elsewhere which suggest they were washed in by floods during the mid-1950's. Steve Milner referred to this report in a recent CEGSA News historical study about this cave but I have added another copy to Records, just in case!

With no opportunity these days to do my former, beloved surveying and exploratory trips, these educational sorties to such places as Punyelroo are becoming a normal part of the Horne Activity Curriculum these days - but it's still better than sitting at home, looking through my old super-8mm movies!

Peter Horne

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A Quick (unplanned) Visit to Caves in "LOCH ARD GORGE", Great Ocean Road, Victoria (.... and some Lower South East features)

DATE: 17/18 JANUARY, 1998.

PARTY: Peter HORNE (Tour Organiser/Driver/etc/etc) and Korean Students Soung-taek KWON, Hyun-kyung (Kelly) CHO, and sisters So-yop and Kyung-lee KIM.

During a 10-day period in early January, I acted as a tour group organiser/guide/driver for my flatmate Soung-taek and three of his very nice female Korean friends, Kyung-lee, So-yop and Kelly, so they could enjoy experiencing the sights and sounds of the south-eastern corner of Australia. We drove from Adelaide to Brisbane in 2 days, looked around the Sunshine and Gold Coasts (highlights including the majestic Glasshouse Mountains and Mt. Tamborine's rainforests), drove along the often very pretty coast roads via Byron Bay etc to the Blue Mountains (but no time to see Jenolan Caves, unfortunately) and then drove down to Sydney (night cruise on Sydney Harbour to see "the coat-hanger" Bridge and the very pretty BLUE Opera House - coloured lighting for some festival or something), before heading down to the Great Ocean Road via Canberra and Melbourne.

I had not intended to do any serious caving whatsoever on this trip and in fact had only packed three small torches in case we had a flat tyre or whatever during our drive (6,600kms in 10 days without a single problem - GREAT car, the Toyota Camry!), so I was naturally somewhat uncomfortable with being confronted with the sight and smells of a beautiful, significant cave feature which beckoned me from the inner wall of Loch Ard Gorge that hot, windless day! I had seen the entrance many times during other trips to the Gorge with other student friends but had assumed it was probably a small and insignificant cavity. An earlier attempt to find out for sure had almost ended in disaster for my video-camera thanks to an unexpected 2m wave, but the weather this time was great and I had no trouble whatsoever in walking across to the entrance of "Eva Carmichael's Cave" (3SW-3).

I really encourage cavers who are visiting the Great Ocean Road to have a look at this interesting feature. One of the first things you notice as you reach the quite large opening is the "cavey" smell, not the "aroma" of putrid, rotting sea life and weed as is normally the case with sea caves. When I was there a fair amount of rainwater was dripping down from the walls and ceiling, and in many areas around the walls the cave is decorated with unusual forms of curtain-like flowstone material, appearing something like columns which have fused into the wall. (Ken Grimes has recently written a paper about these features - please refer to the February 1998 Karst Seminar paper entitled "Sand Speleothems at Loch Ard Gorge, Victoria, and the Field Guide to Karst Features in SE SA/Western Victoria, by Ken and Sue White 1996 - ISBN 0 646 27128 8).

Without a torch or compass I could only do a quick pacing in the cave and refer back to my video for fill-in features, but generally speaking the cave is a single large passage about 80 metres long,

varying from around 3m to 15m in width and around 4-6m in height. The floor is made up of a deep layer of fine, white sand dotted here and there with boulders, and only a small area near the end of the cave is in total darkness. Stumbling around in the cavern at the end of this feature, I encountered a young fellow and his lady friend and via idle chatting about how unexpectedly interesting the place was, one of them said something about the "stals" in the cave ... "Ah-HA! CAVERS!", I thought! Turns out they were from FUSS in Adelaide! (Sorry I didn't note their names well enough for the old memory banks now!) ... and because they were ALSO bumbling around in the darkness without torches, I didn't feel quite so stupidly unprepared (bet these folks are happy I can't remember their names now...)!

Another cave under an overhang around the left corner as one approaches the beach - 3SW-2, Tom Pearce's (or Pierce's, depending on your references) - is also well worth visiting because it, too, is not just a typical wash-in erosion feature; in fact, the entire Gorge has the appearance of possibly having once been a single huge cave which has subsequently collapsed and disintegrated, because there are similar speleothem-like features under the gorge's final overhanging walls. The whole area is limestone and actually looks like a miniature Nullarbor in many ways, and with features such as the spectacular Blowhole and Thunder Cave still attracting tourists there, I wonder what else is waiting to be explored?

Oh yes, I should mention in closing that we dropped in to see Dene, Malcolm and Mrs Kilsby at Glendene Park Cave so we could admire both the feature itself for a few minutes (not enough torches to go far, as mentioned above) and Kevin Mott & Fred Aslin's handiwork with the GATE which they installed a few months back. It was a fantastic job (as their gating work always is), and I believe that the Group owes both Kevin and Fred a sincere vote of thanks for their laborious and much-appreciated efforts. Members who have not yet seen this small, delicate but in many ways very beautiful cave are encouraged to do so when next they visit the nearby Little Blue Lake (after prior arrangement, naturally).

Before returning to Adelaide we also did some quick visits to the Cave Walk at Lady Nelson Tourist Centre (also seeing their most impressive computer-graphic display), Piccaninnie Ponds, Hells Hole, Blue Lake, the other lakes, Mount Schank and the Little Blue Lake, and I am also pleased to report that the marauding nocturnal possums are still plentiful at Umpherston Cave ... so make sure you are armed with an apple or some bread! We also dropped in quickly at The Pines where my old mate Warren Reid and some other cave divers were kind enough to tolerate the visitors' jubilant interrogations as they tried to concentrate on preparing for their dive, and finally I showed them Alleyns (Death) Cave, before they enjoyed the unique experience of driving through the silent beauty of the surrounding pine forests prior to heading back to Adelaide via the Woakwine Cutting etc.

A really enjoyable trip for all concerned!

Peter Horne.

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Remember that when trips are approved or recorded as CEGSA trips, it is on the understanding that the necessary permission has been obtained from the appropriate landowner or land manager.

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TECHNICAL and OTHER ARTICLES

The Beginnings of CEGSA

Many years ago, a small group of friends agreed that they were running the risk of not being able to find good ways of spending their weekends. They had virtually walked every feasible bushwalking route within a reasonable distance of Adelaide, and were looking for something new. All were involved in the Scout Movement, and in particular, the Rovers. They all agreed that there seemed to be two interesting possibilities: caving or scuba diving. By the following week, they had discovered both the location of what seemed to be the nearest cave and the price of scuba equipment. The latter made it easy to decide that caving sounded just right.

So, within the week, they made their first visit to what is now known as Corra Lynn Cave. The group by then included Graham Chinner, David Pegum (who had some caving experience in N.S.W.), the late Cecil Giles, David Taylor, Noel Mollett and Elery Hamilton-Smith. Both Noel and Elery are life members of the Association, and Elery has continued his interest in caves to the present day. Such was the enthusiasm generated by that first weekend visit that several of the group went back for seven consecutive weekends !

Three other things happened at this time. One was the first visit led to the discovery of a number of mammalian sub-fossils. A skull was brought back, shown to scientists at the South Australian Museum, and this was the beginning of a continuing relationship between cavers and researchers. The second was that a number of the group met with Captain J. Maitland Thomson and this led to the resolve that a Nullarbor Expedition must be put on the agenda. Thirdly, a rapidly growing number of other people, both from within Scouting and otherwise, became interested. So that although for some time trips were organised either informally, or through the Rover Movement, it eventually became clear that a new organisation had to be formed.

So in 1955, a meeting was held at Scout Headquarters, attended by a number of interested cavers and others, including both Norman Tindale of the South Australian Museum and Dr. P.S. Hossfeld of the Geology Department of Adelaide University. It was decided that the Cave Exploration Group (South Australia) should be established, and an interim committee was appointed with Elery Hamilton-Smith as foundation president. Tindale, in particular, argued at this time for the importance of proper recording. - "exploration without documentation is nothing but idle curiosity!" This was an important step for the group in establishing a commitment to proper record-keeping.

At the same time, preparations were already under way for the first Nullarbor expedition at Christmas 1955. Another important landmark came at Easter 1956. An expedition to Kelly Hill found itself severely hampered by dense regrowth following bushfire, and it was virtually impossible to determine the precise location of caves. Alan Hill, as trip leader, decided that a consecutive number would be marked on each cave as it was discovered and investigated. This proved valuable, so Hill later proposed and developed a scheme where every cave would be allocated a number consisting of a letter prefix to denote the area concerned and a consecutive number for each recorded cave. This was the beginning of what is now a well-established national system, since adopted by a number of other countries.

Some time later, a letter was received from the presidents of the two caving groups in Sydney, suggesting that an Australian Speleological Federation should be formed. The Adelaide group responded with an invitation to hold a foundation national conference in Adelaide at the end of 1956, with the additional lure of a major Nullarbor Expedition. This was accepted, and so 1956 passed rapidly with planning and organisation for both the conference and a Nullarbor expedition involving 62 cavers from throughout Australia. That expedition made a number of important discoveries, including the recognition of Aboriginal rock art and a workshop where tools had been produced from the chert boulders found in walls of the cave, both in Koonalda Cave. These two discoveries alone marked a major turning point in Australian archaeology and rock art studies.

The group has continued to the present day with a strong commitment to not only real exploration but to detailed recording and mapping of caves, a close link with science, and a special interest in the remarkable features of the Nullarbor Plain.

Elery Hamilton Smith.

Gating of Glendene Park Cave - 5L 238

On 1 February 1984 P Horne and A Cox reopened the cave which had been sealed for a number of years. Following their initial exploration they mapped the cave over the next twelve months. F Aslin mapped the cave on 5 & 11 February 1984. Not surprisingly the maps by both Aslin and Horne bear remarkable resemblance. Following the reopening, the cave entrance was covered by a steel plate to prevent animals from falling in.

The plate has since suffered from the ravages of time. The owner expressed his concern that the plate was unsafe as it could not be handled safely and would not prevent anything from falling through. He was particularly concerned that stock and young children may be injured by treading on the plate. He recognised that the cave was of value to the caving fraternity and that CEGSA visited the cave. If cavers were not interested in constructing a gate then his only option would be to fill in the entrance. CEGSA committee agreed to the construction of a gate.

After much discussion on the design, construction of the gate by F Aslin, K Mott, A Mott, L McLean was commenced on 3 October 1997. The old plate, sundry pieces of steel and surrounding weeds were removed. The topsoil was excavated to reveal the underlying limestone that would provide a bed for the concrete base of the gate. Some existing limestone ashlar were left in situ, but keyed to the concrete base. The formwork was constructed and the concrete poured. Bolts to attach the hinges were moulded into the concrete base.

Late the next day the formwork was removed. Some minor touch up work was required to fill in some gaps in the concrete base. The gate was then attached to the base. To everyone's delight (some may say surprise) the gate actually fitted. The cave was visited a week later to make final adjustments to the gate.

The gate is a tubular steel frame sitting on a concrete base. Expanded mesh covers the framework. A chain and padlock are used to secure the gate. All the steel is galvanised then coated with a cold galvanising paint.

Thanks must go to the following for their contributions towards the gate

- Krueger Engineering, Mount Gambier - for provision of all the steel at a very reasonable cost
- Mount Gambier Saw Works - for fabricating the gate.

The owner has retained the keys and access to the cave can be arranged by contacting Dene Kilsby on 08 87385 322. If he is unavailable he has arranged that the key will be available through local CEGSA members Kevin Mott or Fred Aslin.

Kevin Mott.

%%%%%%%%%

RECORDS AND LIBRARY UPDATE

Kevin Mott and Fred Aslin of Mt. Gambier continue to search and find newspaper cuttings adding interesting information to our files. Fred has asked if someone will check some of the gorges in the Flinders that he has made note of in his own personal records of 20 years ago. Eddie Rubessa intends to check out a few of these when he returns to the Flinders in April.

Kevin Mott when recently down in Adelaide took home our cluttered books of news clippings for cataloguing, which he has now completed.

The Manager of Scout Outdoor Centre Mr. George Driscoll donated a copy of Australian Geographic No. 45 Jan-Mar 1997 which contains an article on "Mysterious McCavity" an underwater cave with extensive decoration in the Wellington Caving area of New South Wales.

During the year we had a new recruit to the working bees, Alex Sandison, who answered a call to the Librarian Association placed by our club for anyone interested in work experience. Alex has attended regularly but now has been offered full employment as a librarian.

Bart Jansen has replaced some missing maps of Mullamullang using microfilm cards.

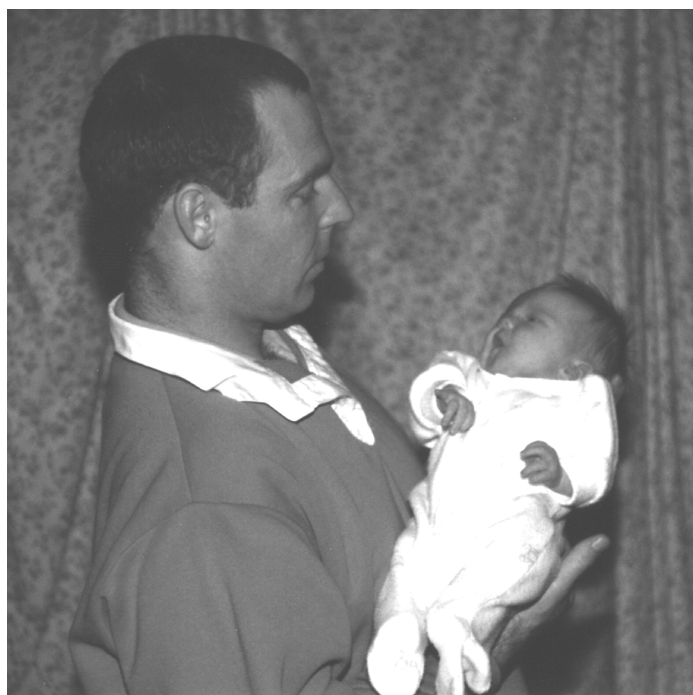
Kevin Mott sent a copy of Cave Rescue Training Guide and Training Exercises from the last few years held at Upper and Lower South East.

Working Bees will continue to meet throughout the year on the first Saturday after General Meetings at 11 Gulfview Parade, Valley View from 2 pm until late. Please bring a plate.

George MacLucas

Records Officer and Librarian.

MEMBERSHIP



Proud father Mark Thiselton holds his and Lynne's new baby daughter, Emillie Rose, who was born at Ashford Hospital at 8.26 AM on the 12th of September 1997.

According to Grandma she has red hair, blue eyes and weighed in at 7 lb 4 oz or 3.283 kg.

Congratulations, Mark and Lynne.

Change of Address

Damian GRINDLEY	9610	PO Box 7, CAMBRAI SA 5353	(08) 8564 5068
Amanda WAGENER	9714	" " " "	"

Delayed Renewals

Kerry NINNES	7601	91 Valley Rd, HOPE VALLEY SA	5090	(H) 8264 8336
Ian RICHARDS	9506	8 Knightsbridge Crt, Happy Valley SA	5159	(H) 8322 2894

New Associates

David Bartholomeusz	9801	1/274 Sturt Rd, Marion SA	5043	(H) 8358 2324
Matthew McDowell	9802	17 Kanowna St, Hallet Cove SA	5158	(H) 8322 4352

%%%%%%%%%

1998 CEGSA MEMBERSHIP FEES

FULL MEMBER	\$35
COUNTRY MEMBER	\$30
ASSOCIATE MEMBER	\$28
LONG TERM ASSOCIATE MEMBER	\$35
VARIATIONS FOR FAMILY MEMBERSHIP	
1) 1 ST FULL MEMBER \$35 + 2 nd FULL MEMBER \$35	
LESS \$20 FOR ONLY ONE NEWSLETTER =	\$50
2) 1 ST FULL MEMBER \$35 + 2 nd ASSOC MEMBER \$28	
LESS \$20 FOR ONLY ONE NEWSLETTER =	\$43

CEGSA MEMBERSHIP DOES NOT INCLUDE ASF FEES, YOU MUST PAY THE APPROPRIATE AMOUNT LISTED BELOW AS WELL AS CEGSA MEMBERSHIP FEES.

AUSTRALIAN SPELEOLOGICAL FEDERATION (ASF) FEES FOR 1998 (INCLUDES INSURANCE)

FULL/ASSOC/LIFE MEMBERSHIP	\$24.50
FAMILY MEMBERSHIP	\$42.00
STUDENT MEMBERSHIP	\$17.50
FIRST YEAR MEMBERS (with Australian Caver)	\$24.50
(copy of Australian Caver not included)	\$5.00

%%%%%%%%%

CELEBRATION IN ABERCROMBIE CAVE

Australia Day January 26th 1998 was celebrated at Abercrombie caves, New South Wales, with colour and ceremony with an official launching of a catalogue of cave images by Elery Hamilton-Smith, a display of pastel drawings by June MacLucas of the Caves of Abercrombie, Wombeyan, Jenolan and Yarrangobilly, New South Wales and a classical recital by Domino Costa.

The opening commenced at 1.30pm when the Australian Flag was raised to the National Anthem. Domino Costa a Jenolan Guide, who has an amazing voice, disappeared into the cave and gave a powerful recital that echoed throughout the cave system.

The keynote address for Australia Day was delivered by Elery Hamilton-Smith after which he then officially launched the catalogue of his research on cave images *"Perceptions of Australian Caves in the 19th Century: The Visual Record"* and *"Nineteenth Century Paintings, Drawings and Engravings of Australian Caves"* Published by Helictite Journal of Australian Speleological Research, 1997, and available for \$20 a copy, purchased through Elery (03) 9489 7785.

June's work consisted of 15 pastels displayed on easels built by Abercrombie Caves Manager Andy Lawrence. These were hurriedly constructed at 6.00am that morning when all the drawings were loaded onto a trailer and transported to the Grand Arch and displayed in a suitable manner.

This was the first time original artwork had been exhibited inside an Australian Cave and the effect was stunning. To view the work from this perspective was a challenge in itself and one that seems to have worked, the enormity of the cave arch along with the colours of the pastels together made their own magic. After the viewing of the art work guests were invited back to the visitors area for afternoon tea and huge serves of damper.

Quite a few members from various caving groups of New South Wales attended the opening along with representatives from Jenolan Caves Reserve Trust and National Parks and Wildlife Service NSW. Ben Nurse, President of Sydney Speleological Society, took a video of the occasion.

Later the artwork was packed in boxes and June and George drove down to Melbourne to hang the pastels and oil paintings at St Francis Pastoral Centre, 329 Lonsdale Street, Melbourne, for another opening to be held on the 29th January 1998. Here Elery Hamilton-Smith after launching his catalogue declared the exhibition open, where it remained on show until February 15th 1998.

The artwork presented in Abercrombie Cave and at St Francis Pastoral Centre was also shown at Coventry Art Gallery, Sydney, NSW, November 1997 for a period of 3 weeks.

The artist gratefully acknowledges the assistance of the Jenolan Caves Reserve Trust, and the NSW National Parks and Wildlife Service.

Special thanks to Elery Hamilton-Smith, Andy Lawrence, Manager, Abercrombie Caves, and St Francis Pastoral Centre Gallery, Melbourne and to others who helped organise both these openings. Special appreciation goes to Rimstone Co-operative for their sponsorship of the presentation at Melbourne.

June MacLucas



Andy Lawrence, June MacLucas, Elery Hamilton-Smith and Andrew Flector at the Abercrombie Caves Art Exhibition on Australia Day, January 26th 1998.

THE NEW CAVING GEAR IS HERE TO BE HIRED OUT

CEGSA has just purchased some new caving equipment, which has been assembled into specific kits for hiring to its members. The reasons for the kits are SAFETY, simplicity, user-friendliness and not to mention, a lot easier on the Quartermaster. There are two types of kits: (1) A Vertical Ladder Self-Lining Kit (which includes a Rescue Kit) and (2) Two SRT kits. All kits have been marked with reflector tape with each kit having a different colour coding. The new kits contain the following:-

VERTICAL LADDER SELF LINING KIT (PLUS RESCUE KIT)

- 50m 11mm Static Edelrid Rope (incl. rope protectors).
- 2 30ft Ladder. *
- 2 8ft Trace. *
- 2 3m x 25mm Bluewater Tube Tape.
- 4 4.5m x 25mm Bluewater Tube Tape.
- 10 Steel Screw Gate 'Big D' Karabiners.
- 1 Stitch Plate.
- 1 Vertical Chest Harness.
- 1 Petzl Chest Ascender.
- 1 Maillon Rapide Steel 6mm Delta.
- 2 Rope Protectors. *
- 1 Bag. *
- 2 Vertical Caver Harness (fully adjustable).
- 1 Rap Rak Descender.

plus

- 1 Prusik Loop 1.0m x 6mm.
- 1 Prusik Loop 1.5m x 7mm.
- 1 SRT Pulley P1.
- 1 SRT Pulley P1P.
- 5 Steel Screw Gate Karabiners.
- 2 3m x 25mm Tube Tape.
- 1 Yachting Pulley Hauling Kit.
- 1 First Aid Kit.

* From original equipment.

SRT KIT (Made by S.R.T.)

- 1 S.R.T. Explorer Hand Ascender.
- 1 S.R.T. Chest Ascender.
- 1 Vertical Chest Harness.
- 1 Vertical Caver Harness (fully adjustable).
- 1 Rap Rak Descender.
- 1 Maillon Rapide Steel 10mm C.
- 1 Maillon Rapide Steel 6mm Delta.
- 1 Maillon Rapide Steel 10mm Normal.
- 1 S.R.T. Adjustable Leg Loops.
- 1 Cows-tail. (on 9mm Dynamic Rope, with 2 Straight-gate Karabiners and 2 Eye Clips)
- 1 Safety Rope.
- 5 Alloy Screw Gate 'D' Karabiners.
- 1 Bag.

Continued »

SRT KIT (Ascenders & Descender made by Petzl)

Except for the following items, this kit is identical to the SRT Kit above.

- 1 Petzl Right Hand Ascender.
- 1 Petzl Croll Chest Ascender.
- 1 Petzl Rappel Rack Descender.

MISCELLANEOUS ITEMS

- 4 Helmets (International Standard (UIAA) approved).
- 4 Petzl Zooms (with helmet clips, no batteries).
- 100m 11mm Edelrid SRT rope.
- 50m 11mm Edelrid SRT rope.

CEGSA GEAR HIRING PRICE LIST FOR 1998***CONDITIONS OF HIRING***

- A \$20 deposit will be required for each kit, which will be refunded if the gear is returned in a clean state, and without loss or damage.
- If the gear needs to be cleaned a charge of \$15 per hour will be charged to the trip leader.

THE HIRING CHARGES

Vertical Ladder Self Lining Kit.

\$20.00 per caving day with a maximum charge of \$100.00. This is a group charge.

Each SRT Kit.

\$10.00 per caving day with a maximum of \$50.00.

Personal Gear.

Each Helmet: \$2.50 per caving day with a maximum charge of \$10.00.

Each Light: \$2.50 per caving day with a maximum charge of \$10.00.

Ropes (with protectors).

Prices are available on application.

Existing CEGSA equipment

Extra ladders are available for \$5 per day with a maximum charge of \$25. (this is a group charge).

Extra SRT harnesses are available for \$2.50 per day with a maximum charge of \$12.50.

HIRE CHARGE EXCEPTIONS

- 1) Training Days (or Bridge Days) which use the vertical kit and the two SRT kits. On these training days a cost of \$5.00 per user is required.
- 2) Surveying Trips.
As always, the surveying gear is free of charge. Trip leaders can approach the committee for reduction on the price of vertical kits where the surveying trip is a continuing project.

While I have your attention, I would like to thank a few people who helped me set up this system. They are David Trehearne and Tim Payne (for their technical knowledge) and Simon Kendrick. I would also like to thank Damien Grindley for storing the old gear for the first half of the year,

Pam Alvaro.

Retiring Quartermaster.

OBITUARY - HARRY W WHEELER

25 May 1910 to 26 Aug 1990

Harry died 8 years ago, aged 80 years.

Harry Wheeler was not a member of any caving club, and at the time of his death, very few cavers would have heard of him.

This obituary has been written, to complete a chapter in Australian Caving History.

I first heard about Harry 3 years after his death, when I was visiting my sister in Kalgoorlie. She mentioned that she knew someone who was interested in caving, namely Keith Quartermaine. (Keith died on 10 Dec 1995 and his obituary¹ has already appeared in this publication.) So on 11 Nov 1993 I visited Keith and was amazed by the many stories he had to tell about Nullarbor caves. And Keith had a collection of 26 typed books, that were his personal record of his many expeditions to the Nullarbor. In these I noticed that caves were referred to as, for instance, QW100. So I asked Keith what this meant.

Keith said that on his Nullarbor trips he was often accompanied by Harry Wheeler who had maintained a KARST INDEX for the Nullarbor region. This index, known as the QW LIST, contained at least 200 karst features. Keith was unsure exactly how many features were listed, as he did not have a copy, and he hadn't seen Harry for quite a few years. In fact Harry had died in Adelaide 3 years earlier, but his 2 sisters still lived there.

I contacted Graham Pilkington with this news and within a month CEGSA had negotiated with Harry's sisters to obtain the "QW LIST" plus a few other items belonging to Harry.

The QW LIST proved to be a hand written list of 143 pages that gave locations and descriptions of Nullarbor Karst features. Harry had numbered 492 features but there were a few duplications so the number was closer to 550. Harry did not have the benefit of a computer to sort out his records. His achievement, being all done by hand, and by Harry alone, was quite remarkable.

It rapidly became apparent, that Keith and Harry effectively belonged to their own caving club, the QW club. Which had just two members (Keith) Quartermaine and (Harry) Wheeler. Harry Wheeler began his Nullarbor trips and the QW LIST, in 1953.

There were numerous other people who went on caving trips with them, most notably, John Carlisle. (John died on 18 June 1993 and his obituary² also appeared in this publication.) John provided Keith and Harry with much 'local' information about cave locations. John had lived on the Nullarbor for many years, and since moving to Kalgoorlie/Boulder, John continued to visit the Nullarbor, first as a rabbitier, and later as a meteorite hunter.

Harry was a lecturer (in chemistry) at the Kalgoorlie School of Mines from 1953 to 1969 then he moved back to Adelaide where he had been born.

Harry suffered a fall when on a caving trip and this limited his further activities on the Nullarbor. His last major trip being in 1976.

For many years Harry had been 'writing' a book about the Nullarbor, and in his forced retirement he finished it. But Harry did not publish it. The Mortlock library now has a copy that was obtained from Wheeler's sisters. It is titled:

FEATURES OF THE NULLARBOR LIMESTONE COUNTRY, written 1980 (though 95% of the text had been written at least 4 years earlier). The book has 99 pages and covers many aspects of the Nullarbor: historical, botanical and geological as well as a detailed account of the mode of creation of blowholes and rockholes.

Harry served in the RAF during World War 2 serving in the Western Desert Campaign and on 17 Dec 1944 received the Distinguished Flying Cross. The citation reading in part): Harry's "outstanding

¹METH Max, 1996, Obituary Keith Quartermaine, CEGSA News 41(3) p58.

²METH Max, 1993, Albert John Carlisle, CEGSA News, 38(3) p57.

professional ability and ever confident and cheerful manner has been an inspiration to other navigators of the squadron".

Harry was certainly an interesting person who has made a major contribution to caving in this country.

Max G Meth

Feb 1998

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NOSTALGIA CORNER

News From Past Newsletters.

10 YEARS AGO [32#4 Apr 1988]

- 11 Feb 1988, Peter Kraehenbuehl located 2 new caves on the Murray River.

20 YEARS AGO [22#5 Feb 1978]

- Sep 1977, Graham Pilkington resurveying in Corra-Lynn cave 5Y1 due to errors with Ian Lewis's map.

30 YEARS AGO [Nov 1967]

- Wayne Goedecke has been mapping Sand Cave 5U29 at Naracoorte, and further discoveries have been made.

40 Years Ago [Feb 1958 AR] (This item inserted by editor)

- The card index of SA caves was growing at a rapid rate and contained the following caves:-
- | | | | |
|-------------------|----|------------------|---|
| • Kangaroo Island | 10 | Nullarbor Plains | 6 |
| • South East | 57 | Eyre Peninsula | 2 |
| • Flinders Ranges | 14 | Yorke Peninsula | 4 |

HISTORICAL ITEM

120 YEARS AGO

- The first telegraph line across the Nullarbor Plain was completed on 8 Dec 1877. The final section erected to complete the link between Adelaide and Perth, was between Esperance and Eucla. There were telegraph stations at Israelite Bay, Eyre (near Cocklebidy), Eucla, Head of the Bight and Fowlers Bay. As an aside, the microwave system, commissioned in 1970, has now been decommissioned. Some of the antennae have been removed from the towers.

Max G. Meth.

%%%%%%%%%

SPELEO CAVING CALENDER

Don't miss out on getting a copy of this amazing calendar and you will also be supporting a worthwhile cause.

NOW AVAILABLE at a cost of \$35 including postage.

Please make cheques or money orders payable to

New South Wales Cave Rescue Organisation

and forward to:-

Grace Matts, 176 William St., Bankstown, NSW, 2200.

INDEX TO VOLUME 42

Volume 42 contained the following issues:

- 42 (1) February 1997
- 42 (2) May 1997
- 42 (3) August 1997
- 42 (4) November 1997

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

No Trips

EYRE PENINSULA

E17	42 (4) p73	G Ninnes	H
E18	42 (4) p73	G Ninnes	H
E19	42 (4) p73	G Ninnes	H

FLINDERS RANGES

F26	42(2) p37	R Gibbons	B, E, P, Tg
F38	42 (2) p42	R Gibbons	S
F39	42 (2) p42	R Gibbons	B, P, S, Tg
F40	42 (2) p42	R Gibbons	P, S, Tg
F41	42 (2) p42	R Gibbons	P, Tg
F42	42 (2) p42	R Gibbons	S
F45	42 (2) p42	R Gibbons	
F46 (x2)	42 (2) p39	R Gibbons	
F47	42 (2) p39	R Gibbons	E
F48	42 (2) p39	R Gibbons	B
F50	42 (2) p38	R Gibbons	
F51	42 (2) p38	R Gibbons	
F83	42 (2) p39	R Gibbons	D
F87	42 (2) p38	R Gibbons	B, P, S, Tg
F88	42 (2) p38	R Gibbons	P, S, Tg

F105	42 (2) p38	R Gibbons	B, W
F106	42 (2) p37	R Gibbons	S, Tg
F108	42 (2) p39	R Gibbons	
F109	42 (2) p39	R Gibbons	
F115	42 (2) p42	R Gibbons	H
F116	42 (2) p39	R Gibbons	
F117	42 (2) p39	R Gibbons	
F118	42 (2) p39	R Gibbons	
F119	42 (2) p39	R Gibbons	D
F120	42 (2) p39	R Gibbons	D
F121	42 (2) p39	R Gibbons	D
F122	42 (2) p39	R Gibbons	
F123	42 (2) p40	R Gibbons	
Big Split	42 (2) p42	R Gibbons	
Miners Attic	42 (2) p42	R Gibbons	S
Panorama	42 (2) p42	R Gibbons	S
Wedged Rock	42 (2) p42	R Gibbons	S

KANGAROO ISLAND

K5	42 (2) p34	S Milner	L
K17	42 (2) p34	S Milner	L
K18	42 (2) p34	S Milner	L
K31	42 (2) p34	S Milner	L
u/n	42 (2) p34	S Milner	

LOWER SOUTH EAST

L5	42 (1) p13	M Choi	P
L6	42 (3) p52	P Horne	T
L8	42 (3) p52	P Horne	T
L9	42 (3) p52	P Horne	T
L11	42 (3) p52	P Horne	T
L13	42 (2) p35	D Grindley	T
L19	42 (3) p53	P Horne	T
L21	42 (1) p13	M Choi	P
L23	42 (1) p13	M Choi	P
	42 (3) p54	M Choi	E
L39	42 ((2) p35	D Grindley	T
L40	42 (2) p36	P Horne	T
L44	42 (2) p37	P Horne	T
L69	42 (3) p54	D Grindley	
L72	42 (3) p53	P Horne	T
	42 (2) p36	P Horne	Di
L73	42 ((2) p35	D Grindley	E
L74	42 ((2) p35	D Grindley	E
L75	42 ((2) p35	D Grindley	E
L84	42 (3) p53	P Horne	T
L99	42 (3) p54	D Grindley	
L119	42 (1) p14	M Choi	E
L144	42 (2) p36	P Horne	E
L158	42 (2) p36	P Horne	Di
L159	42 (2) p36	P Horne	Di
L238	42 (2) p36	P Horne	
L262	42 (3) p53	D Glowacki	T
L263	42 (3) p53	D Glowacki	T
L302	42 (3) p54	M Choi	
L309	42 ((2) p35	D Grindley	

L314	42 ((2) p35	D Grindley	E
L327	42 (3) p55	D Grindley	P, S
L333	42 (1) p14	M Choi	S
L335	42 (3) p54	D Grindley	D, E
L365	42 (1) p14	M Choi	E, P, Pa, S, W
	42 (3) p54	M Choi	
L368	42 (3) p54	M Choi	E
L374	42 ((2) p35	D Grindley	D, E
L379	42 (3) p54	M Choi	E
L381	42 (3) p55	D Grindley	D, E, S
L382	42 (3) p56	D Grindley	E

MURRAY PLAINS

M1	42 (2) p40	P Horne	E
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NULLARBOR PLAINS

N2	42 (1) p5	S Milner	
	42 (1) p15	D Grindley	Sc
N4	42 (4) p86	M Meth	H
N5	42 (4) p86	M Meth	H
N6	42 (4) p86	M Meth	H
N15	42 (4) p86	M Meth	H
N24	42 (1) p5	S Milner	
N26	42 (4) p86	M Meth	H
N27	42 (4) p86	M Meth	H
N31	42 (4) p86	M Meth	H
N37	42 (1) p15	D Grindley	Sc
	42 (2) p43	N Pledge	B
N39	42 (4) p84	M Meth	H
N46	42 (1) p15	D Grindley	Sc
N47	42 (4) p76	M Meth	
	42 (4) p83	M Meth	H
N48	42 (1) p15	D Grindley	Sc
	42 (4) p75	M Meth	Di
	42 (4) p76	M Meth	E, S
	42 (4) p77	M Meth	H, (Sc)
N48	42 (2) p32	M Choi	P
N49	42 (1) p15	D Grindley	Sc
N50	42 (1) p15	D Grindley	
N62	42 (4) p84	M Meth	H
N81	42 (4) p75	M Meth	D, E, S, Tg
N83	42 (4) p84	M Meth	H
N132	42 (4) p84	M Meth	H
N133	42 (4) p84	M Meth	H
N149	42 (1) p15	D Grindley	S
	42 (4) p74	M Meth	E
N159	42 (4) p81	M Meth	D, H
N176	42 (1) p4	S Milner	Tg
N177	42 (1) p4	S Milner	
N178	42 (4) p86	M Meth	H
N193	42 (4) p84	M Meth	H
N206	42(1) p6	S Milner	T
N268	42 (4) p86	M Meth	H
N271	42 (4) p86	M Meth	H
N272	42 (4) p86	M Meth	H
N324	42 (1) p15	D Grindley	

N397	42 (4) p85	M Meth	H
N398	42 (4) p85	M Meth	H
N399	42 (4) p84	M Meth	H
N525	42 (1) p4	S Milner	Tg
N530	42 (4) p84	M Meth	H
N645	42 (4) p74	M Meth	D
N647	42 (4) p74	M Meth	D
N648	42 (1) p6	S Milner	D
	42 (1) p7	S Milner	Tg
N707	42 (1) p6	S Milner	S
	42 (1) p9	S Milner	D, S
	42 (1) p9	D Hall	H
	42 (1) p12		M
N732	42 (1) p15	D Grindley	E, Sc
	42 (4) p74	M Meth	
N796	42 (4) p83	M Meth	H
N798	42 (4) p83	M Meth	H
N822	42 (4) p86	M Meth	H
N840	42 (4) p83	M Meth	H
N841	42 (4) p83	M Meth	H
N842	42 (4) p83	M Meth	H
N843	42 (4) p83	M Meth	H
N880	42 (4) p83	M Meth	H
N865	42 (4) p80	M Meth	H
N875	42 (4) p81	M Meth	D, H
N894	42 (4) p81	M Meth	H
N895	42 (4) p77	M Meth	H
	42 (4) p83	M Meth	H
N902	42 (4) p76	M Meth	
N935	42 (4) p85	M Meth	H
N936	42 (4) p85	M Meth	H
N937	42 (4) p85	M Meth	H
N938	42 (4) p85	M Meth	H
N939	42 (4) p85	M Meth	H
N940	42 (4) p85	M Meth	H
N941	42 (4) p85	M Meth	H
N944	42 (4) p86	M Meth	H
N946	42 (4) p84	M Meth	H
N965	42 (4) p86	M Meth	H
N972	42 (1) p7	S Milner	
N979	42 (1) p5	S Milner	D, H, L
N992	42 (4) p86	M Meth	H
N993	42 (4) p86	M Meth	H
N995	42 (4) p86	M Meth	H
N996	42 (4) p86	M Meth	H
N1027	42 (4) p86	M Meth	H
N1031	42 (4) p86	M Meth	H
N1057	42 (4) p86	M Meth	H
N1066	42 (4) p86	M Meth	H
N1074	42 (4) p83	M Meth	H
N1075	42 (4) p83	M Meth	H
N1076	42 (4) p83	M Meth	H
N1086	42 (4) p81	M Meth	H
N1087	42 (4) p81	M Meth	H
N1088	42 (4) p83	M Meth	H
N1089	42(4) p78	M Meth	
N1094	42 (4) p81	M Meth	H
N1095	42 (4) p81	M Meth	H
N1096	42 (4) p81	M Meth	H
N1097	42 (4) p81	M Meth	H

N1098	42 (4) p82	M Meth	H
N1099	42 (4) p83	M Meth	H
N1100	42 (4) p83	M Meth	H
N1101	42 (4) p83	M Meth	H
N1123	42 (4) p81	M Meth	H
N1124	42 (4) p81	M Meth	H
N1125	42 (4) p82	M Meth	H
N1126	42 (4) p82	M Meth	H
N1127	42 (4) p82	M Meth	H
N1128	42 (4) p82	M Meth	H
N1129	42 (4) p82	M Meth	H
N1130	42 (4) p83	M Meth	H
N1131	42 (4) p83	M Meth	H
N1132	42 (4) p83	M Meth	H
N1133	42 (4) p81	M Meth	H
	42 (4) p83	M Meth	H
N1134	42 (4) p76	M Meth	
N1135	42 (4) p76	M Meth	D, Tg
	42 (4) p83	M Meth	H
N1137	42 (4) p81	M Meth	H
N1159	42 (4) p85	M Meth	H
N1160	42 (4) p85	M Meth	H
N1161	42 (4) p85	M Meth	H
N1162	42 (4) p85	M Meth	H
N1163	42 (4) p85	M Meth	H
N1164	42 (4) p85	M Meth	H
N1165	42 (4) p85	M Meth	H
N1289	42 (4) p78	M Meth	
N1290	42 (4) p83	M Meth	H
N1291	42 (4) p81	M Meth	H
N1331	42 (1) p15	D Grindley	
N1343	42 (4) p76	M Meth	D, Tg
N1347	42 (1) p15	D Grindley	
	42 (4) p74	M Meth	E
N1369	42 (1) p15	D Grindley	Sc
N1383	42 (4) p74	M Meth	
N1384	42 (4) p74	M Meth	D, E, H, S
N1389	42 (1) p7	S Milner	Tg
N1401	42 (4) p77	M Meth	L
N1411	42 (1) p15	D Grindley	
N1421	42 (1) p5	S Milner	B, D, Tg
N1422	42 (1) p5	S Milner	D, Tg
N1423	42 (1) p5	S Milner	D, L, Tg
N1424	42 (1) p5	S Milner	L, Tg
	42 (1) p7	S Milner	D, S
N1425	42 (1) p5	S Milner	D, L, Tg
N1426	42 (1) p5	S Milner	D, L, Tg
	42 (1) p6	S Milner	P
	42 (1) p8	S Milner	D, S
	42(1) p11		M
N1427	42 (1) p5	S Milner	D, L, Tg
N1428	42 (1) p6	S Milner	D, Tg
N1429	42 (1) p6	S Milner	D, P, Tg
N1430	42 (1) p6	S Milner	D, Tg
N1431	42 (1) p6	S Milner	D
N1432	42 (1) p5	S Milner	Tg
	42 (1) p7	N Dobson-Keefe	D, S
	42 (1) p10		M
N1433	42 (1) p5	S Milner	Tg
	42 (1) p8	S Milner	D, S

	42 9!0 p11		M
N1434	42 (1) p5	S Milner	D, Tg
N1435	42 (1) p7	S Milner	Bo, D, Tg
N1436	42 (1) p7	S Milner	D, L, Tg
	42 (1) p8	S Milner	D, S
	42 (1) p12		M
N1437	42 (1) p7	S Milner	D, L, Tg
N1481	42 (4) p73	M Meth	
N1482	42 (4) p75	M Meth	D, Tg
N1483	42 (4) p75	M Meth	D, Tg
N1484	42 (4) p76	M Meth	D, Tg
N1485	42 (4) p76	M Meth	L, Tg
N1486	42 (4) p76	M Meth	D, Tg
N1487	42 (4) p76	M Meth	D, Tg
	42 (4) p83	M Meth	H
N1488	42 (4) p77	M Meth	H
x210	42 (4) p81	M Meth	H
x211	42 (4) p81	M Meth	H
x225	42 (4) p80	M Meth	H
x354	42 (4) p83	M Meth	H
x378	42 (4) p80	M Meth	H
x379	42 (4) p80	M Meth	H
x381	42 (4) p81	M Meth	H
x386	42 (4) p83	M Meth	H
x387	42 (4) p80	M Meth	H
x388	42 (4) p80	M Meth	H
x420	42 (4) p85	M Meth	H
x422	42 (4) p82	M Meth	H
x423	42 (4) p82	M Meth	H
x424	42 (4) p82	M Meth	H
x425	42 (4) p83	M Meth	H
x426	42 (4) p83	M Meth	H
x611	42 (1) p6	S Milner	D
x731	42 (4) p73	M Meth	
x732	42 (4) p73	M Meth	
x733	42 (4) p73	M Meth	
x735	42 (4) p73	M Meth	
x736	42 (4) p75	M Meth	
u/n	42 (4) p85	M Meth	H

UPPER SOUTH EAST

U16	42 (3) p66	S Bourne	
	42 (4) p72	M Choi	E, W, P
U37	42 (1) p13	D Grindley	E
U47	42 (1) p16	P Horne	W
U63	42 (1) p13	D Grindley	E
U65	42 (1) p13	D Grindley	E
U163	42 (1) p14	D Grindley	P, S
Riddoch #1	42 (3) p56	D Grindley	
Riddoch #2	42 (3) p56	D Grindley	

YORKE PENINSULA

Y1	42 (3) p54	B Binks	E
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INTERSTATE & OVERSEAS

Chalker Cave	42 (3) p60	J MacLucas	P
Glory Hole	42 (3) p62	J MacLucas	P
Rennick Forest	42 (3) p53	D Glowacki	E
Ribbon Cave	42 (3) p61	J MacLucas	P
Selina Cave	42 (3) p61	J MacLucas	P
2A2	42 (3) p58	J MacLucas	P
2A6	42 (3) p58	J MacLucas	P
2A9	42 (3) p58	J MacLucas	P
2A27	42 (3) p58	J MacLucas	P
2A29	42 (3) p58	J MacLucas	P
2A56	42 (3) p58	J MacLucas	P
2J2	42 (3) p61	J MacLucas	P
2J2	42 (3) p61	J MacLucas	P
2J2	42 (3) p61	J MacLucas	P
2J7	42 (3) p62	J MacLucas	Sc
2J8	42 (3) p61	J MacLucas	P
2J9	42 (3) p61	J MacLucas	P
2J10	42 (3) p61	J MacLucas	P
2J13	42 (3) p60	J MacLucas	P
2J145	42 (3) p62	J MacLucas	P
2W2	42 (3) p58	J MacLucas	P
2W11	42 (3) p59	J MacLucas	P
2W137	42 (3) p59	J MacLucas	P
2W144	42 (3) p60	J MacLucas	P
2W146	42 (3) p60	J MacLucas	P
2W149	42 (3) p60	J MacLucas	P
2W150	42 (3) p60	J MacLucas	P
2W152	42 (3) p60	J MacLucas	P
2Y12	42 (3) p63	J MacLucas	P
2Y13	42 (3) p63	J MacLucas	P
2Y31	42 (3) p62	J MacLucas	P
6AU1	42 (2) p32	M Choi	
6AU11	42 (2) p32	M Choi	T
6AU14	42 (2) p32	M Choi	T
6WI30	42 (2) p32	M Choi	T
6WI31	42 (2) p32	M Choi	T
6WI113	42 (2) p31	M Choi	T
6WI121	42 (2) p31	M Choi	E
6WI138	42 (2) p31	M Choi	T
6WI142	42 (2) p31	M Choi	E
6WI149	42 (2) p31	M Choi	T
6WI156	42 (2) p31	M Choi	T
6WI157	42 (2) p31	M Choi	E
6WI165	42 (2) p31	M Choi	E
6YA1	42 (2) p31	M Choi	T
6YA51	42 (2) p31	M Choi	E

TECHNICAL AND OTHER ARTICLES

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

Are you looking for a caving project?		42 (3) p65
Bat Lyssavirus and cavers	T Reardon	42 (1) p19
"Cavers lost in park"		42 (2) p43
Death by exposure is not an accident	Nargun 14 (8)	42 (4) p90
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Insects found in caves
 Letter to Editor (re projects)
 Peter Stace (profile)
 Pimpernel Baxter
 Safety incident report
 Sand Cave - an update
 Speleo art
 The Mullamullang monster
 Think of the next generation
 Trip report writing

R Simms	42 (3) p64
S Milner	42 (2) p30
P Horne	42 (2) p45
M Meth	42 (4) p78
F Hankinson	42 (4) p87
S Bourne	42 (3) p66
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P Horne	42 (3) p64
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AUCTION



♦ **HAVE SOME FUN AND AT THE SAME
 TIME HELP RAISE FUNDS FOR CEGSA
 BRING THOSE OLD BOOKS,
 OVERALLS, BOOTS, LAMPS, BRIC-A-
 BRAC, EVEN THE KITCHEN SINK TO**

**DONATE YOUR GOODIES OR
 OFFER CEGSA
 A PERCENTAGE OF SALE
 COME AND JOIN THE FUN
 AND AT THE SAME TIME GET
 RID OF YOUR JUNK - IT
 COULD BE SOMEONES TREA-
 SURE**

***CEGSA AUCTION AND BBQ A GREAT
 DAY OF FUN AT GEORGE AND JUNE
 MACLUCAS - 7TH MARCH 1998*** **4 PM**
***BRING YOUR OWN FOOD
 AND DRINKS - DESSERT WILL BE
 PROVIDED DETAILS 08 8261 4180***

CALENDAR OF EVENTS

DATE	TYPE OF EVENT	DESCRIPTION	CONTACT
25/2/98	General Meeting plus Computer Demo of CEGSA Web Pages and Cave Surveying Software	Royal Society Rooms	Steve Milner
28/2/98	Working Bee	Library and Records	George Mac Lucas
28/2/98	Caving	Sand Cave	Marie Choi
7/3/98	BBQ and Auction	Cavers Auction & BYO BBQ	June MacLucas
11/3/98	Committee Meeting	Steves Place	Steve Milner
25/3/98	General Meeting	Royal Society Rooms	Steve Milner
28/3/98	Working Bee	Library & Records	George MacLucas
7/4/98	Committee Meeting	Steves Place	Steve Milner
Easter W/E 10-13/4/98	Caving	Nelson / Mt. Gambier with CCV	Robert Atkins 0418 598473
Mid April	Caving	Mundrabilla Station Survey & Exploration	Max Hall
22/4/98	General Meeting plus Ethics and Exploration Talk	Royal Society Rooms	Steve Milner
25/4/98	Working Bee	Library & Records	George MacLucas
25/4/98	Caving	Flinders Ranges	Steve Milner
October	Caving	Mundrabilla Station Survey & Exploration	Steve Milner

For updates on the calendar point your browser to
<http://www.users.on.net/smilner/index.html>
 or contact Steve Milner.