

CAVE EXPLORATION GROUP SOUTH AUSTRALIA Inc.

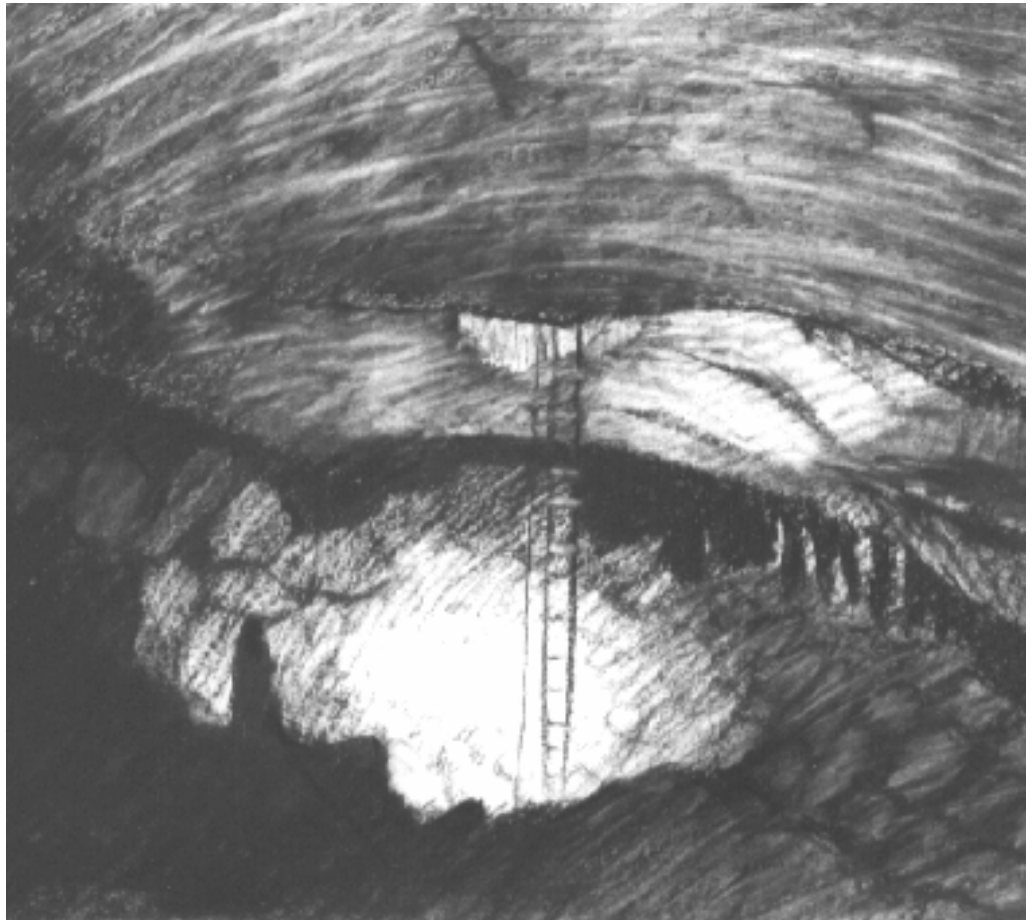
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Volume 40 Number 2

May 1995

N E W S L E T T E R



CAVE EXPLORATION GROUP SOUTH AUSTRALIA Inc.

P.O. Box 144, Rundle Mall, Adelaide , South Australia, 5000.

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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Front Cover

Entrance chamber of Thampana cave 6N206 drawn by June MacLucas in 1994.

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The deadline for copy or background material for Volume 40 Number 3 must reach the Editor by Wednesday 26th July, 1995. Material not meeting this deadline may be retained for possible use in a following issue.

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

EDITORIAL

Welcome to this special Nullarbor edition of the Newsletter. Why is the Nullarbor so special you may ask? Well it appears to be about the only area that CEGSA members are visiting and willing to write trip reports about. I would like to thank Max Meth for his articles in this edition. It is good to hear that Max is still as active as ever and willing to write a trip report. It was also pleasing to see one of our newer members, Marie Choi, writing an article for the Newsletter, thanks Marie. To all members and Newsletter readers please keep those articles coming in.

The entertainment at the February general meeting was provided by Peter *Krunchy* Kraehenbuehl. Peter discussed different aspects of cave photography along with examples of his fine work in the form of a slide show. Thanks Peter for a most enlightening presentation.

The 21st ASF Biennial Conference will be held in South Australia next year. This will be a great opportunity for all South Australian Speleo's to get together and show our strengths and take part.

Those present at the March general meeting were entertained by Dr. Rod Wells. He provided a very informative presentation on cave evolution. Rod enhanced his presentation with the use slides to. Both the Naracoorte and Nullarbor cave regions were discussed during the presentation. Thanks Rod for your excellent work.

Unfortunately I missed the March general meeting due to work commitments. Fortunately I found myself in Mount Gambier, so I decided to contact one of the local cave Guru's, alias Kevin Mott, who put me to work. I spent some eight hours of one day on a weekend assisting Kevin Mott and Fred Aslin in their survey project of the Monbulla cave system. Just for the record - It would appear that I do actually go caving when I can be levered away from my computer.

Athol Jackson chaired the April general meeting in the absence of Janine. This was also the first time that our Secretary, Simon Kendrick, has actually been seen at a general meeting due to other commitments.

The entertainment for the April general meeting was provided by Steve Milner. Steve discussed the techniques commonly used to survey caves in South Australia to produce a cave map. Along with his discussion, Steve made use of overhead transparencies. On display were a couple of caves maps that have been or are currently being surveyed. Thanks Steve for a most informative discussion.

Congratulations to Karin and Mark Sefton who are the proud parents of Alistair. Apparently Alistair was in a bit of a hurry to arrive into the world and was born at home on April 29, 1995. Alistair is Mark and Karin's second son, brother to Murray. We wish you all the best.

It was with great disappointment that I learned at the April general meeting that Peter Horne was moving interstate. I believe that Peter will be missed as he has offered a great deal of service to caving over the few years that I have known him. I wish Peter all the best for the future.

Just a reminder to all CEGSA members who have voting rights that the committee is holding an Extra-ordinary General Meeting from 8.00pm to 8.30pm on Wednesday 28 June 1995. This of course is the same night as the June General Meeting. So you have no excuses for not attending. Your presence is required for a quorum and your contribution is sought for the issues being voted on. Members with voting rights will find a supplement enclosed with this edition of the CEGSA Newsletter. Please take the time to read the motions being put forward along with the background information supplied. Finally if you are not able to attend the meeting either make a postal vote or ask some one who is attending the meeting to be your proxy for the vote (use the forms supplied).

Mark Thiselton

TRIP REPORTS

Nullarbor

3 to 19 January 1952

Participants; (this is really 2 separate expeditions that combined into one)

- 1 from Kalgoorlie - Keith Quartermaine (Leader) plus 4, Harry Woodall, Jack Clugston, Norval Watts and Doug Kemsley
- 2 from Adelaide - Jack M Thomson (Leader) plus 29

St Peters College - Ken(PJ) Peake-Jones (teacher), David Dyer (teacher), Richard Lamphee, Neill Wallman, Nigel Samuel (student), Hugh Wigg and Ron Knowles (student)

Geelong College - Murray Creed, John Varley, John Backwell, William Bell, Graham Rice, John Roberts, Peter Fleming, Max Neale, Fred Elliot, Alex Gray, Don Lawler

Le'Fevre Technical School - Neil Laidler, Allan McColl and John Sleeder.

Unattached - Jack Kean, Ron Davies (studying as Anglican priest), Andrew (prof) Robertson and K V Knowles (father of Ron)

Drivers - Lance Window (bus), Mervyn Blanks and G C (Bill) Hennewell

Features; (38 + 3 not found) in the order visited:
SA: 5N85 258 97 98 96 x428 7 8 9 18 23 (120) 13 390 225 22 871 280 321 20 (x248) (1043) 212 x429 32 33 4 x430 x431 (1065) 1068 16 1057 5 171 6 1049 176 1.
WA: 6N17 3 2.

Features; in numerical order:
1 2 3 4 5 6 7 8 9 13 16 17 18 20 22 23 32 33 85 96 97 98 (120) 171 176 212 225 258 280 321 390 871 (1043) 1049 1057 (1065) 1068 (x248) x428 x429 x430 x431.
(#) indicates looked for, but did not locate.

- Notes:
- 1 As this account was written by Keith (a West Australian), the SA party may have visited further features either before meeting, or after leaving the WA group.
 - 2 QW and RH numbers given in brackets. These were allocated on later trips by Harry Wheeler.

Editors Note: This report was originally written by Keith Quartermaine in 1967. This version has been rewritten by Max Meth from the book titled "The inland sea" or "Carry on regardless" (some 163 typed pages) . Max has included current karst feature details . References to the original book are made throughout this report, so please do not go searching through this CEGSA Newsletter for them.

Thursday 3 January 1952 (page 30)

The 2 parties meet at Riddle's gate, on the (old) Eyre Highway between Nullarbor and Ivy Tanks. All drove to No 6 bore and thence to 5N85 (QW183) Disappointment cave. 2.1 miles further to One Tree rockhole 5N258 (RH60a) where there was a lone pittosporum tree. Set up camp after failing to locate 5N97.

Friday 4 January 1952 (page 43)

It turned out that Diprose No 2 cave 5N97 (QW401) was only 200m from our campsite, but it was only found after a lengthy search. After lunch we headed 5km to Diprose No 3 cave 5N98 (QW402) and then to Diprose No 1 cave 5N96 (QW403).

Saturday 5 January 1952 (page 53)

Headed back towards Riddle's Gate. On the way we found a cave 5NX428 (QW404) that Thomson knew of. This entailed everyone marching line abreast across the plain. The opening was in level country and was not much more than a cleft in the rocks. Entrance photos on page 53.

[This feature is yet to be unidentified. "We had to lever a few rocks off the entrance to enable some of the fatter ones to get through." This implies that the entrance leads to a reasonably sized cave. On the map on page 32, the route taken is shown. A cave is shown south of the vermin proof fence near the point where the track to No 6 bore joins. This is "Tommy Cave" and no known feature occurs in the vicinity. The distance from N85 camp to Tommy Cave is about 20km and this compares to 11 miles (17.6km) as per the car odometer.]

Sunday 6 January 1952 (page 61)

Stayed at Nullarbor station. Made a rope ladder.

Monday 7 January 1952 (page 64)

Headed slightly east of north past the shearing shed through a gate next to an underground tank = Horse tank. Then past No 1 bore to 5N7 (QW89) Murrawijinie No 1 cave and along a fence. Then to 5N8 (QW90) and 5N9 (QW91) Murrawijinie No 2 and 3 caves. Back at 5N7 we headed north to the vermin proof fence and turned east along it to the boundary fence of what is now Yalata. We stopped at unnamed cave 5N18 (QW405) then proceeded east along the vermin proof fence for 15km. Turned south to Jimmies cave 5N23 (QW406).

Tuesday 8 January 1952

Keith Quartermaine and Jack Thomson went off to locate some caves. Bottleneck cave 5N120 (QW407) near Murrawijinie caves was not located.

In the afternoon went to Ivy cave 5N13 (QW408). On the way back to Nullarbor looked at another cave. This must be 5N390 (QW409) that has been assumed to be broken bottle cave. This has, "Very steep entrance, narrow, full of broken bottles, very cold, continued some distance but no appreciable widening." [Keith does not mention the name "Broken Bottle" so there is some doubt that this is Broken Bottle cave.]

Wednesday 9 January 1952 (page 80)

Head out past Ivy cave to Number 2 bore which is 23 miles (37km) from Nullarbor. Went 4.4 miles (7.0km) @346 to a cairn then 1.2 miles due East to Number 7 cave 5N225 (QW410). This was a sinkhole 50ft (15m) diameter and some 40ft (12m) deep, with a small overhang on the south side. Then on to 5N22 (QW262) Knowles cave with separate south doline 5N280 (QW411). Somewhere near Knowles cave the boys found a blowhole 5N871 (QW412) between some rocks. This was partially opened by manual labour. Next stop was Kudna rockhole 5N321 (RH98). Finally arrived at The Catacombs cave 5N20 (QW263).

Thursday 10 January 1952 (page 91)

Headed west along the (old) highway to the Wigunda vermin gate. Further on we passed Cundalabbie shed and tanks. Captain Thomson looked for some (2) caves south of the highway here without success. The first, 5NX248 (QW413) was about 8km west of Wigunda. No features are known in this area. However in the book 'Caves of the Nullarbor', on page 59 the 13th item in "check-list 2" also mentions a blowhole in this vicinity. The second, 5N1043 (QW264d) was about 27km from Wigunda. We camped beside the shearing shed at Koonalda station. And before tea we walked to 5N212 (QW414) a large sinkhole near the shed. It was a depression with no cave.

Friday 11 January 1952

We set off north along the road to Koonalda cave but turned off east to look for two openings [three mentioned] found by Roy six years previously. The first 5NX429 (QW415) is the top photo on page 96. It was necessary for the party to spread out over the plain to find it. Thomson went down it. The opening was about 4 ft wide and 20 to 30 ft deep with no leads off. The second 5N32 (QW62) is a blowhole that Roy did not know about. The third 5N33 (QW61) could be climbed to 15 ft then near vertical for 40 ft through openings too small for the rope ladder. So it was reluctantly left. [There are 2 photos, on bottom of page 96 and top of page 96a of blowhole entrances. These would be the 2nd & 3rd entrances, or possibly to shots of the same entrance.] 5N4 (QW52) Koonalda cave. On the return to camp, Roy Gurney took us back past a triple blowhole 5NX430 (QW416), but where it was is not recorded.

Saturday 12 January 1952

Left Koonalda and turned E on (old) highway then immediately S along E side of dam and proceeded south for 5.5km to a gate. Then we walked about 1.2km west to a blowhole 5NX431 (QW417). (photo page 102) This was blowing strongly. The Captain went below and stated that it was shallow but connected to many narrow fissures. We returned to the cars and continued south. Roy told us about a cave about a mile to the west, probably 5N1065 (QW366) and then we passed a rockhole 6N1068 (RH115). 3km south of the gate there was a sheep yard on the west side of the track. Then we came to 5N16 (QW55) Clay Dam cave. We drove to the cliff edge and descended at a place where the Gurneys climb down here to fish off a large rock. We used a rope. After climbing down part of the way the talus slope began. On the way back to camp we stopped at 5N1057 (QW43) Guinewarra cave, then 5N5 (QW42) Eyeball cave.

Sunday 13 January 1952

Our first stop was at 5N171 (QW73) Albala Karoo Blowhole. This is also known as Diamond Bore. It is a natural blowhole deepened as a well by Jones in 1880. South we next visited 5N6 (QW50) Koomoolooooka cave. 19km west we saw 5N1049 (QW94) Turkey cave. At Sixteen Mile Tank we headed north to 5N176 (QW287) Warbla Track No1 Blowhole. We camped at 5N1 (QW92) Warbla cave.

Monday 14 January 1952

Exploring Warbla cave.

Tuesday 15 January 1952

Went to Eucla and had a swim. Caught a few fish from the jetty.

Wednesday 16 January 1952

First stop was 6N17 (QW83) Chowilla Landslip. Next was 6N3 (QW84) Abrakurrie cave.

Thursday 17 January 1952

Exploring at Merdayerrah sandpatch.

Friday 18 January 1952

6N2 (QW100) Weebubbie cave.

Saturday 19 January 1952

At Madura station we spoke to the manager Mr Mackie, who gave us a list of 11 caves known to him in the area.

- 1 Six miles south, good road, 300 ft long (Madura cave 6N62 = QW14)
- 2 7.5 miles north of Motel, Loongana road (Firestick cave 6N70)
- 3 12 miles north of Motel on Loongana road, 12 miles east. Terraced sinkhole, one hole to cave. Unexplored. (Mullamullang cave 6N37)
- 4 4 miles past Jurina rockhole, box on road. Turn NE through flat, 3 miles from road. (Beerbox cave 6N57 = QW400)
- 5 Near Number 2 bore (6NX96)
- 6 NE of Laundry rockhole about 21 miles north of Madura. Stalagmites. (6N660)
- 7 Clifton Well. Big gorge 2 to 3 miles west on top of cliffs. Dammed. Large cave. (This could be N64)
- 8 Scadden's Bore (water at 310 ft) 4 miles east, turn north to ridge and cave. 350 ft, damp, underlay. (Plane cave 6N1289 = QW208)
- 9 3 miles west of Cocklebidy, little (1.5 miles) south. Cave. (Pannikin Plain cave 6N49 = QW152)
- 10 6 to 7 miles west of Cocklebidy on main road, pile of stones, track NNW 6 to 7 miles, large cave, bus visits, cairn at main road, ladder in cave. (Cocklebidy cave 6N48 = QW79)
- 11 2 to 3 miles from (W or E) Cocklebidy on old road. LHS 1.5 miles. Salt water 150 ft down. (Murra-el-elevyn cave 6N47 = QW13)

Also A bore three miles east of Madura on the old road. Down to 98 ft, pug bottom, casing sticking up 6 to 7 ft.

The next day we arrived home at Kalgoorlie.

Max Meth

Nullarbor**7 to 10 September 1994**

Party; Max Meth, Albert Zepf and members of Ceduna SES

Features; 5N4 26 877 995 X168 (all in SA on the Nullarbor National Park)

Friday 23 September 1994

Drive to Koonalda homestead and set up camp.

Saturday 24 September 1994

Walk to Shellsign blowhole. Change tag to 5N995 (in lieu of 5N26). Then to Homestead blowhole. Change tag to 5N26 (in lieu of 5N995).

Drove to doline 5N877 (formerly X72). Drove on to Koonalda cave 5N4. A pathway with steps and ladders has been established in the cave. Most of the remaining small items of rubbish were removed from the cave. An inscription was noticed on a rock near Fresh lake. "E V Harris Bute SA 18 Feb 1939 Spencer Gulf Aero Club. Albert pointed out 2 small phreatic tunnels that head south just above lake level at the end of the West passage. One is about 3m and the other about 15m long.

A blind cockroach *Troglobattella nullarborensis* was sighted by Albert near the junction of the West passage. Bat droppings, also sighted by Albert, in the centre of the main passage indicate that at least some bats are roosting in the cave.

Sunday 25 September 1994

Walk to X168 depression 300m WSW of the homestead. This is overgrown with horehound weed.

Max Meth

Nullarbor**17 to 24 October 1994**

Participants; Max Meth, and members of the Army from Enoggera barracks Queensland.

Features; were all in WA, listed in the order visited:
35 37 38 39 40 42 70 17 3 973 152 1015 1017 X170 83 1278 1279 1205 X171 431 X169
360 481 359 579 370 750 133

Note: All AMG values are from GPS and are accurate to no better than 100m

Monday 17 October 1994

The army divided their men into 2 groups, and I remained with the same group based at Mundrabilla. The other group was based at Madura and visited N35 37 38 39 40 42 70, and I did not see any of these caves. A brief list of activities at these caves:

N35 Bobobogal doline. Following the breeze has lead to a small steeply descending cave.
N37 & 38 no new passages found.
N39 Joes cave. The 'new' area was explored and appears finite.
N40 Kestrel #1 cave. The high level phreatic passages extend into a series of small chambers.
N42 Kestrel #2 cave. Phreatic passages extended by 200m in a branching maze.
N70 Firestick cave. Phreatic passages extend further than current map shows.

Tuesday 18 October 1994

Drove from Eucla to Chowilla landslip N17. At Abrakurrie cave N3 the blowhole on east side of the doline was inspected. Inside the main cave, a ledge leads to at least 3 tunnel openings.

N973 Muir blowhole #2 east of Naliwoodin. AMG 486.75 6506.18

N152 blowhole. AMG 485.62 6505.71

Reid road and Old Coach road junction. AMG 481.06 6505.24

NS fence junction with Old Coach road. AMG 479.95 6505.11

N1015 blowhole, 85m south of Old Coach road on east facing grassy slope. Two blowholes 3m apart @110.

West 0.5x0.3x1.1m @160 and east 0.82x0.6 @110. AMG 479.53 6504.82

Junction of Old Coach road with track SE to N166. AMG 478.37 6504.36

N1017 blowhole, 4m east of above track and 100m north of fence. AMG 479.69 6503.54

NX170 depression 20m E with bush and stones, 1.2km south of fence.

N166 squeeze blowhole.

Wednesday 19 October 1994

Drive from Eucla to Old Homestead cave N83.

Into north cave about 1km. passage on ledge explored

Thursday 20 October 1994

Walk to Pittosporum tree that is visible about 1.1km @021 from the shed. This tree is 3m tall with a 2nd pittosporum 2m tall and a dead acacia tree nearby. 2m south of the tree is a doline N1278 5x4.5x0.4m @080. 27.5m @341 from the tree is blowhole N1279. This is blowhole 35, seen in Oct 91 on the topographic survey done by R Bridge. It is 0.35x0.2x1.7m @045 in a depression 5x4x0.5m @050. Both features are located on a saltbush bluebush east facing slope.

Drive east from the shed (AMG of shed 401.03 6552.92) The 2nd Pittosporum east of the shed is at AMG 401.74 6553.34. That is 713m east and 420m north of the shed. A 1m tall bushy tree is at 402.78 6552.68. Bearing to dark green tree = 173.5 Group of Pittosporums at south end of 100m diam bare claypan is at 403.44 6552.37. Bearing to dark green tree = 053. N1205 doline at dense clump of pittosporums 403.84 6551.90. Possible rockhole on track south of 1 Mile cairn X171

Friday 21 October 1994

At Webbs cave campsite all day.

Doline N431 is now a blowhole with a 1.5m long cave.

Saturday 22 October 1994

Attempted to locate blowhole x169 1 mile south of Number One bore. Purple Goringe cave. Tag N360, 481 and Whispering Wind cave N359. South of the main track, small cave N579 was located, and Matilda cave N370 was located.

Sunday 23 October 1994

Cave N579 was entered and tagged. Matilda cave is 900m south of N579. This was tagged and explored. Di's cave N750 was visited. A cat was seen entering the cave. When we followed the cat, we found that its den was more than 100m long. Quite an unexpected find for such a low dusty crawl. But it eventually leads to a roomy chamber with rockpile floor and a little dead decoration.

Monday 24 October 1994

Snakepit cave N133 was explored.

Max Meth

Nullarbor

31 January 1995 to 2 February 1995

Participants: Max Meth, Norm and Robert Poulter

Features: SA: 5N1280 (in the order visited)
WA: 6N797 X94 6N93 903 887 888 568 75 195 1085 1281 1282 1283 1284 1285

Tuesday 31 January 1995

We stopped for lunch and found rockhole 5N1280. Tag.

Stopped at Mundrabilla to talk with Bob Eglinton. On 18/12/94 they had 155mm of rain. This caused some damage to the track up the escarpment. Spent the night at Madura.

Wednesday 1 February 1995

First stop was at Moonera rockhole 6N797. Reported by Harry Wheeler on 19/10/1969 as QW24A. This is about 500m S of the Eyre Highway about the vicinity of Moonera underground tank. There are 3 rockholes on a rock pavement area. Tag.

At the road to 6N49 we turned south. A quarry 200m south of the highway was reported by Harry Wheeler on 3/2/1958 as QW152A, a hole on the north face that led to a cave. The north face is now covered by rubble. But at the NW corner there is a hole X84 between the rubble and the wall. No tag.

We passed N49 & N91 then turned west. At 1.6km, where the track bears @040 is doline 6N93. This is 170x35m @170 and is about 4m deep. The deepest point is at the north end.

Next I attempted to locate a group of 4 features from the Quartermaine Wheeler list (QW). First was QW-RH105 reported 3/10/1972. It is about 2.3km south of N93, where the track heads due south. This is rockhole 6N903 about 200m east of the track. It is small, measuring 0.4x0.35m @160 and 0.6m deep. Tag. 140m @248 is blowhole 6N887 about 110m E of the track. This is roughly circular and smooth sided 1.6x1.5m @150 and 3.7m deep blocked by silt. It is located in a bare rock area 5.5x4m in a circular depression 6x6x1m. This was QW272 of 19/9/1972. Tag. 90m south and 40m west of the track is doline 6N888. This was QW275 of 2/10/1972. It measures 8x5m @130 and is 1.1m deep. A blowhole drops 3.5m but it is obscured by a covering of rocks. Tag. We did not have time to locate N889 (QW276) which is about 400m west of N888. 1.3km south we turned west on the track to Tommy Grahams cave. 700m along this we tagged doline 6N568. At Moogunderada rockhole we turned north to Cocklebidy motel.

Next stop was a Blowhole that Norm had been told about by Mike Burns of the Main Roads Dept. This turned out to be 6N75. It is 33m south of the highway west of Caiguna, opposite the 5km sign for Caiguna. This proved to be a 60m long cave. Tag.

19km west at about the 347km point of the highway, we stopped to investigate 2 blowholes that are on the graded verge of the highway. Both of these had small wire fences around them. 6N195 is 13.5m north of the highway. It is 0.5x0.4m @030 and 2.0m deep. Tag. 31m @088 is the freshly broken through blowhole 6N1085 which is 15.5m north of the highway. It is 0.5x0.4m @036 and 1.1m deep in a vertical sided depression 2.5x1.9x0.8m @080. Tag.

Nearby we found 5 other features; all were given a tag:

N1281 blowhole 0.6x0.45x0.7m @010 in depression 2.7x2.1x0.4m @140. 26m @048 from N195.
N1282 doline 5x5x0.9m @060. 64m @043 from N1281
N1283 blowhole 0.8x0.75x3.0m @065 in depression 3.5x3.5x0.3m @060. 55m @031 from N1282
N1284 blowhole 0.8x0.4x2.2m @030 in depression 6.5x6x1.1m @000. 37m @037 from N1282
N1285 doline 6x5x1.4m @065. 38m @335 from N1284

Three further features seen in the vicinity (N1293 to 1295) were described on a later trip.

Max Meth

Nullarbor Cave Diving

8 to 20 April 1995

participants: Pam Alvaro, Darren Crawford, Oriana Davis, Ian Williams, Graeme Elsby, Alistair Gifford-Moore, Janine and Peter Kraehenbuehl and Lynne and Mark Thiselton.

features: 6N2, 6N3, 6N17, 6N34, 6N44, 6N45.

We planned this trip so we could dive in the cave diving sites on the Nullarbor. This was to include Weebubbie cave 6N2, Cocklebidy cave 6N48 and Tommy Grahams cave 6N56. We also planned to visit some of the dry cave features in those areas. Peter was also planning to add details to surveys that he had started on a couple of these features on the Nullarbor.

Friday 7 April 1995

After many weeks of planning we gathered the mountain of equipment including the diving gear for the seven cave divers and all the food and camping gear for our party of ten at the one central location on the Friday night before we left Adelaide. We then spent a few hours sorting through the gear and loaded the three vehicles and the three trailers ready for the trip.

Saturday 8 April 1995

After approximately 3 hours sleep we awoke and met at Pt Wakefield Road, Gepps Cross, around 4:20 AM. It was probably most fortunate for Krunchy, as he is not known to be an early morning person, that due to work commitments both he and Janine were actually travelling over to the Nullarbor a week later.

At around 5:30 AM and some 10km from Port Wakefield the occupants of one of the vehicles saw a wheel speed past them on the left hand side of the road and come to rest on the verge beside the road. In the meantime a shower of sparks could be seen from the trailer axle where the wheel had last been seen. Naturally we stopped to examine the damage and discuss the slight change in our plans. The extent of the damage included the shearing off of five studs from the wheel hub, oversized holes in the rim and one damaged tyre. We decided to take the damaged parts to Port Wakefield in the hope of finding spares to get ourselves back on the road (not an easy task at 5.30 AM). Finally about after three hours delay we were on the move towards Port Augusta.

Things were looking pretty good at around 1.45 AM when suddenly one of our vehicles ran out of diesel fuel approximately 200m from the fuel station located just before the SA/WA border. After refuelling we finally arrived at our campsite near Weebubbie cave and camped for what was left of the night around 3 AM.

Sunday 9 April 1995

Dawn broke bright and clear or so we were told as we were zonked out until the mid morning. We later set up camp including a drop toilet. We then set about lowering our dive gear into the Weebubbie doline using the "Brolga" (see article "The Tales of a Brolga" in this newsletter) to haul gear into the cave ready to perform our first dive. We finally ate our evening meal around 9 PM.

Monday 10 April 1995

Saw us undertaking our first dive in the morning with the two groups visiting the area at the end of the Railway tunnel. Darren and Graeme cheated and used scooters, while Ian, Alistair and Mark were left to swim the distance. The non-cave divers joined us in the afternoon for a snorkel in the main lake. As with most of our dives we were noting cave detail to complete the cave map that Peter had started. I was fascinated by the Bacterial curtains which can be found growing along the edge of wall and roof projections at depths within this cave. We filled a couple of our scuba tanks with air from the compressor ready for future dives.

Tuesday 11 April 1995

We woke to rain, which continued for most of the day. We hauled more tanks into the cave for the day's dive. Darren and Graeme returned to the end of the Railway Tunnel on their scooters while Ian, Alistair and Mark visited the Air Dome and the passage beyond. It was during this dive at the end of the Railway tunnel, at a depth of 40m, that Graeme noticed that his air tasted odd. This was not a good experience! Fortunately Graeme surfaced without any ill effects. After a surface interval we hauled our tanks from the cave to fill and then after Graeme's experience decided to check the quality of the air in all of our tanks. We used the Brolga and a vehicle to lift six old tyres from the doline and then dumped the tyres away from the cave entrance.

It became apparent that the air from the compressor had a strange taste to it so we emptied those tanks that had been filled by the compressor and removed the tank valves to check for any visible contamination. We then changed the compressor air filter and refilled a couple of our tanks to check the air quality. We tasted the air in these tanks again for any obvious smell or taste. Unfortunately there appeared to still be a problem with the quality of the air from the compressor. While these events were occurring we contacted both the owner of the compressor and a prominent Adelaide dive shop for advice. Peter and Janine were also contacted to inform them of the problem.

Wednesday 12 April 1995

We continued to look into different aspects of our compressor problem including more telephone calls to Adelaide. Finally after not getting any where and being disgusted with the compressor problems we decided to divert our attention to a couple of dry caves in this area. In the afternoon we headed off to Chowilla landslip 6N17, Abrakurrie cave 6N3, Kutowalla doline 6N44 and Winbirra cave 6N45. It was inside the last feature we visited, Winbirra cave, that Pam decided to dislodge a couple of large boulders onto herself and Mark. Fortunately no one was seriously injured, just a near miss. We later headed into Eucla for a shower at the Eucla roadhouse. Meanwhile back in Adelaide Peter and Janine were locating another spare filter for the compressor in case this was the fault.

Thursday 13 April 1995

With our diving spirit severely dampened we decided to give the compressor one last chance and filled two tanks to perform a test dive in the smaller lake. Alistair and Mark volunteered to dive on the suspect air so as to test its quality and effects at shallow depths of up to 20m. Alistair noted no problems, Mark however was conscious of the taste of the air during the entire dive and suffered a slight headache after the dive. Because this test was inconclusive we were still uncertain about the quality of the air from the compressor. Peter and Janine attempted to locate a spare compressor and transport it to the Nullarbor with them. Unfortunately Easter beat them as everyone had already left for the long weekend. Peter and Janine left Adelaide on their way to the Nullarbor.

Friday 14 April 1995

Those of us already on the Nullarbor had by this time decided that the trip was basically over, particularly in the sense of cave diving. Those of us who still had enough good air in our scuba tanks decided to empty them on one final dive. Ian and Darren dived in the small lake while Alistair and Mark headed back into the Railway Tunnel to check out more cave detail for Peter's map. Peter and Janine arrived in camp after their long journey.

Saturday 15 April 1995

Those of us with our dive gear inside the cave hauled our gear from the edge of the lake to the bottom of the doline.

We then employed the Brolga and a vehicle to lift the gear to the surface. Every one except Peter who volunteered to stay back and complete survey details of the entrance doline of Weebubbie cave headed in to Eucla to visit the old Eucla telegraph station and the old Eucla jetty, before enjoying a nice warm shower at the Roadhouse. Back at camp Alistair, Lynne and Mark, who had to return home to Adelaide due other commitments, decided to set about sorting through and packing our gear and other non-required group gear into one trailer and the rear of one vehicle ready for our journey home. Peter and Alistair visited the lake for one final snorkel to complete further floor details for inclusion onto Peter's map.



Graeme, Darren, Mark, Alistair, Pam, Ian, Oriana and Janine (L to R) standing behind some of the dive gear at Weebubbie cave prior to our return home.

Sunday 16 April 1995

Alistair, Lynne and Mark woke up before the Easter Bunny to pack their last few items, eat their last trip breakfast, receive their Easter eggs and start their homeward journey. They had lunch at Ceduna and dinner at Port Augusta, before arriving home before midnight.

Monday 17 April 1995

Ian, Oriana, Peter and Janine visited Abrakurrie cave while Graeme, Darren and Pam started to pack up their gear. The group decided to do some diving along the coast along Eyre Peninsula on their way home.

Tuesday 18 April 1995

Unfortunately one of the two remaining vehicles had a with a rear wheel bearing some 40km west of Nullarbor Roadhouse. This vehicle had to be towed into Nullarbor, only to find that there was no mechanic. The second vehicle was used to ferry the two trailers to Nullarbor for the night. The party stayed at the Nullarbor caravan park.

Wednesday 19 April 1995

The damaged vehicle was towed to Nundroo for repairs and the other vehicle was again used to ferry the two trailers to Nundroo, where the damaged wheel bearing was replaced by the mechanic. The group set off from Nundroo around 3pm with Ian and Oriana visited family in Cowell on their way home. Graeme, Darren, Pam, Peter and Janine decided to head straight home, arriving in Adelaide around 4am in the morning!

A Post Script

Plan for every contingency.

Do not overload your vehicles or trailers.

Have an agreed agenda for your trip, but be flexible.

Mark Thiselton

Thampana cave survey

10 May 1995

The principal aim of the 1995 trip was to continue the survey of Thampana cave 6N206 and to tie up some loose ends from previous trips.

The Entrance Chamber

Prior to this trip, the entrance chamber had been surveyed. The available data showing the first survey of several stations in a line roughly down the centre, with some approximate wall detail only. The second survey, performed by Peter Ackroyd and Glen Badderley in 1994, was of a high grade and showed greater detail. The author was bemused when Peter included the position of a broken wooden ladder in his survey, until this trip, when the same ladder was found in quite a different location. Indicating a great rise in the water level during the recent heavy rains!

The 1994 survey included connections westward to the start of "The U-Tube", "The Plughole" and the chamber below "The Plughole" at the western end of "The Drain".

During this 1994 survey, which occupied four days, several leads were noted. It was one of these, starting from roughly the midpoint of the eastern wall, which was surveyed this year by Glen Badderley and his girlfriend, Erika. It runs roughly parallel to "The Drain", going some 250m in a north easterly direction.

West of the Entrance Chamber

This area included "The U-tube" followed by the complex large chamber with "The Gurgler" in the lower section and the decorated upper level ending at its stage with a final chamber containing some unusual decoration such as the "What the Hell are We" as featured on the cover of the ASF Newsletter. It is necessary to record that no further surveying was performed in this area in 1995. The final chamber is still awaiting Mark Sefton's attention.

East of the Entrance Chamber

Prior to 1995 considerable work had been completed by many people. This included "The Drain" without clinometer, a line traverse to the end of the "Railway Tunnel", four RDF points, as well as various portions of the "The Muddle" just east of "The Drain". A second survey of "The Drain" with clinometer in 1994 showed it wasn't flat at all, but actually rises in the direction of water flow. "Seeing Red" had been surveyed along the main passage, but new phreatic tubes were found at the end of the 1994 trip.

Six days were spent continuing this work. The bulk of the surveying was completed by Ken Boland (VSA) and Frank Hankinson (CEGSA). Additional help was provided by two Scouts on day one and by Sabina and Manfred, visitors from Germany, who assisted on day three. June MacLucas joined in on day four and a few small details were completed on day six. Ken enjoys variety!

Day One

About to descend the solution tube entrance, a large contingency of very fit, agile, enthusiastic and vocal Scouts arrived, and draped themselves generally all around the doline. Then two things happened: George MacLucas commandeered two volunteers to help with "surveying" "What's that?" and Ken discovers that they're not, definitely not, called boy Scouts! Just Scouts is admirable! well never mind, at 57 years of age they still look just like boys to be, so there!

Anyway, to the survey. well first there's "The Solution Tube", then "The Plug-Hole", both loved by the Scouts and Frank. And then "The Drain". It is worth noting that on this trip, the times to traverse this passage varied from six to sixty minutes. Twelve minutes is considered to be a normal leisurely time. Six and sixty minutes are in the pain category. Which doesn't mean that "The Drain" is painful, just that some think so. Beyond "The Drain" you come to "The Crawl" in "The Muddle". But it's short.

Back to the survey and day one: we chose to start on "The Railway Tunnel", mainly because we had the Scouts. This turned out to be from "The Muddle" to about halfway to "Gnome Point" and "RDF DB", however most of the morning was spent in a large chamber off to the south. It is somewhat decorated with what appears to be a location where water finds its way out and down at the far end. It also contained a spider.

This spider was white in colour and definitely Troglobitic, nearly 10cm across the legs, it was on a rock, with a web like a netball net strung from it's rock out to various anchor points on the floor and ceiling. It was later to become a very much photographed spider. Remembering the adage that one might well collect the last of an extinct species, we very definitely left it right there.

Day Two

Day two was a very muddily day spent in and around "The Muddle" doing a multitude of bits and pieces. The original starting passage of "The Railway Tunnel" was searched until the survey points were located and then the detail was added. A large chamber high above a rock pile was located, joined to the original entrance series and "The Muddle, where a survey station was set up. Many leads exit in this area, including a nice long tube we passed by.

Day Three

Ken and Frank were joined for a while by Sabina and Manfred. The efforts of day one on "The Railway Tunnel" were continued beyond "Gnome Point" to "Turkey's Nest", high on a rockpile. Max Meth notes that this name arose due to the effects that a precipitous drop would have if one slipped! The survey this day progressed rapidly due to an absence of many leads along this region, particularly on the south side of the passage.

Day Four

Ken, Frank, June and George went past "Gnome Point" to survey a large chamber which had been found south of the first rockpile. On the way, Frank and George got distracted by the "Puff Chute", a smallish opening on the south side of "The Railway Tunnel" which appears to take most of the water entering the tunnel. June and Ken meanwhile surveyed the chamber, emerging later to find George and Frank's bags but no George or Frank. They had gone to "The Crystal Dome" thinking that June and Ken had finished and gone on which did lead to a little confusion.

Day Five

Day five was spent exploring and surveying some of the tubes at the far end of "Seeing Red". The Notable tube was one which doubled back to about "Gnome Point", ending at three levels. It contains salt deposits up to about 5cm deep. Frank found some decoration at a mid level and was very pleased with himself. The possibilities in this area appear to be bountiful, however it does take some time and effort just to arrive there, including, as ever, "The Drain" and the crawl in "The Muddle".

Day Six

Day Six was partly a photographic trip for Ken, Frank and June and a chance to complete some minor details. Due to the recent heavy rain, it was possible to make some assessment of water flow directions and heights. All lower levels had contained flowing water, and it does seem that from "The Drain" area, all flows go north east, even at the most westward known portion of "The Railway Tunnel". Heaps of sediments in places such as "The Drain" and "The Railway Tunnel" imply considerable flow rates and some force. In the entrance chamber debris was found up to several metres above the western "Gully". However it is clear that all areas of the cave contain adequate dry spaces even during a flood with the exception of "The Drain", the Start of "The Railway Tunnel" and "The U-Tube". There are a number of indicators that the water drains away quite quickly reaching a depth of only a few centimetres in most places.

Finally a number of permanent markers in the form of stainless steel screws have been placed to enable ongoing survey. Six days meant twelve times along "The Drain" and twelve times through "The Crawl". That was quite enough for this trip.

Ken Boland (VSA)

TECHNICAL and OTHER ARTICLES

Membership

New Associate Members;

Yana STASKA 9501 (h) 289-0382
4 Scarbouough Court, WYNN VALE SA 5127

Michael RICCI 9502 (h) 371-1807
4 / 36 William St, CLARENCE PARK SA 5061

Transfer to Full Member;

Frank HANKINSON 9404

Change of Address;

Simon KENDRICK 8611 (h) 369 1087 (w) 223 5544
3/9 O. G. Road, KLEMZIG SA 5087
P.O. Box 310 GREENACRES SA 5086

Sue McCORMICK 9104 while overseas
c/o 43 Swallow Drive, MT GAMBIER SA 5290

Ken SMITH 9210 (h) 271-7064 (w) 297-6144
6 Joslin St, WAYVILLE SA 5034

Jaz PACKER 9213 (h) 089-739211 xtn 31318 (w) 089-738600
PO Box 885, KATHERINE NT 0851

Caving Leadership Scheme, “Horizontal Caving Leader”

The first of the Cave Leadership Courses commenced in February with a seminar at the Norwood Scout Hall. The course was attended by several Associate Members of CEGSA and members of the Scout Caving Group. Topics covered included; leadership styles, group management, planning and organising trips, navigation, search techniques, cave formation and the management of emergency procedures.

The course consisted of a number of seminars and practical sessions, including planning a trip in an unknown region and leading a group of novices through Corra Lynn cave 5Y1 under supervision. The course instructors were Simon Kendrick and, Peter *Krunchy* Kraehenbuehl, with guest appearances from Janine Kraehenbuehl, Rob Dayman and Michael Woodward.

I was initially concerned that we may spend our evenings being talked at all night. I found the course fun, interesting and informative with active participation and discussion encouraged from the participants. Krunchy also gave us a demonstration of someone climbing the wall (I’m not sure if we had caused him to do this or he was actually making a reference to risk taking!). The day at Corra Lynn cave went well with all our victims, sorry, “novices” being returned to the surface safely.

Congratulations to all those involved and I look forward to future training.

Marie Choi

The Tales of a Brolga

Have you ever hauled gear into and out of the vertical entrance of a cave while you have been caving? Well I have, and in doing so found that it can be the most awkward and tricky manoeuvre to say the least. So I decided to make a simple frame that will make the task of lowering gear into or raising gear out of a cave entrance easier.

If you haven't guessed, the real reason to build this frame, was to haul dive gear of approximately 25kg into and out of sinkholes when we go cave diving.

You may ask why the name Brolga? Well I was informed by some of my learned cave diving buddies that the Brolga is an Australian crane. It was soon realised that this frame was also a form of an Australian crane, so it was nicknamed the "Brolga".

I needed to consider a couple of factors when designing the Brolga, such as it needed to be simple to assemble and set up for use at the dive site otherwise too much time would be wasted in preparation and not actually diving. It also needed to be portable as we didn't want to hire a truck to carry the Brolga from dive site to dive site every time we went for a dive.

The solution was to make the Brolga self supporting, so I based it on a modified tripod, made up of nine individual sections. These can be bolted together in approximately fifteen minutes ready for use. The Brolga has one longer leg which is supported by the remaining two legs. Feet are attached to each leg to assist with stability on the ground while a larger foot on the longer leg is used to accept a counterweight. A brace is bolted between the two front legs to improve the rigidity of the Brolga.

Holes are provided at different locations from which to anchor the Brolga back to either a vehicle or a tree. There are also points from which to attach hardware such as a karabiner and a pulley.

The Brolga provides approximately 1m of horizontal clearance and 1.5m of vertical height from which to hoist gear.

The Brolga itself can lift approximately 10 kg of weight on its own and heavier items with a counterweight.. I have found that a 20 litre plastic container full of water to be an ideal counterweight. This also allows the amount of weight to be tailored to suit the item to be lifted. I have used the Brolga to lift up to 80 kg of weight with only 80 kg of counterweight (four 20L water containers).

After the construction of the Brolga was complete and we had made a few preliminary investigations of it's performance in the back yard we soon realised that the Brolga needed more!.

Yes we had to take the Brolga to water!

As it turned out, we found ourselves at Ela Elap sinkhole 5L14 near Mount Gambier, where we soon had the Brolga set up at the edge of the cutting leading to the water and proceeded to examine the intricacies of the Brolga over a relatively short drop. As we didn't want to let a chance go by, we naturally enjoyed a dive at Ela Elap while we were there.

Those of us present on this trip were so impressed with the Brolga's first outing that we felt it was ready for more action.

Not realising that Brolga's migrated we were surprised when one day our little Brolga informed us that it had heard the call of the wild. Naturally we became worried as any new parent would. Fortunately we just happened to have a diving trip planned for the Nullarbor which we immediately invited the Brolga on (see trip report in this edition).

Once at Weebubbie cave 6N2 the Brolga offered to assist us in lowering our dive gear down the thirty odd metres to the bottom of the doline and back up after completing our dives. We were again most impressed with the performance of our little Brolga.



Darren Crawford and Mark Thiselton attending the Brolga at the entrance of Weebubbie cave 6N2.

One concern for any Brolga employer is to never let the Brolga dance. We found out the hard way when we attempted to raise some dive gear out of Weebubbie doline at night in the dark. I should also note that we were using a vehicle to perform the actual lift and make the job a lot easier when the driver of the vehicle lost sight of the Brolga and those attending it. As luck would have it at that very moment the dive gear suddenly arrived at the pulley supported by the Brolga and the vehicle started to pull the Brolga off balance. This was of great concern to those attending the Brolga as it started to dance around at the top of a thirty metre doline. The driver of the vehicle was none the wiser for this until he returned his attention back to the scene. Fortunately no one, including the Brolga, was injured.

The Brolga is now resting until our next little adventure. Who knows, may be one day Hells Hole 5L40?

Mark Thiselton

Extra-Ordinary General Meeting

The CEGSA Committee is calling an Extra-ordinary General Meeting on Wednesday 28 June 1995 at the Royal Society Meeting Room, SA Museum, Kintore Avenue, Adelaide, from 8.00pm to 8.30pm (immediately following the June General Meeting Ñ 7.30pm to 8.00pm).

Your presence is required for a quorum and your contribution is sought for the issues being voted on. Members able to vote will find a supplement enclosed with their edition of the CEGSA Newsletter. Please take the time to read the motions being put forward along with the background information supplied. Finally if you are not able to attend the meeting either make a postal vote or ask some one who is attending the meeting to be your proxy for the vote.

Photographic Competition

Keep those fingers clicking! Rummage through your photo collection! Entries close end of September 1995. Enter your photographs into any of the following categories:

- pretty bits (decorations)
- dangly bits (SRT)
- little bits (squeezes)
- big bits (caverns)
- odd bits (people)
- funny bits (humour)
- boring bits (surface features)
- totally contrived bits (special effects)

The judges' decision is final. No correspondence will be entered into. All bribes will be accepted.

There will also be a prize for 'most popular photograph' which will be selected by a secret ballot of those present at the display.

Entries will be displayed, winners announced and prizes presented at the CEGSA Dinner in October (date and venue to be announced).

Join in the fun!

Win lots & lots of prizes!

Display your knowledge and skills!

Discover other people's ignorance and ineptitude!

Experience the joy of being totally ridiculed by your peers!

YES ! IT'S THE CAVERS QUIZ NIGHT !

9.00 pm Wednesday 28 June 1995

(following the General Meeting and Extra-ordinary General Meeting)

Inside Earth - Caves Beneath the Nullarbor

You are all invited to the opening of the touring Art Exhibition "Inside Earth - Caves Beneath the Nullarbor" at 6pm on Tuesday 6 June 1995 by Professor Elery Hamilton-Smith. Located at the Riddoch Art Gallery, 6 Commercial Ct, Mount Gambier. This showing of the exhibition closes on 2 July 1995.

The Art Exhibit will also be showing at the St. Francis' Pastoral Centre, 326 Lonsdale St, Melbourne, from 11 September to 1 October 1995 and the Broken Hill City art Gallery, Broken Hill from 14 March to 14 April 1996.

The QW list - trips to the Nullarbor by Harry Wheeler.

1	4 Jan 1955	14 Feb 1955	QW1 to 55 & 73	RH1 to 28
2	9 May 1955	15 May 1955	QW56 to 72	RH29 to 32
3	16 Dec 1955	21 Dec 1955	QW74 to 87	RH33 to 37
4	19 Jan 1956	14 Feb 1956	QW88 to 133	RH38 to 45
5	13 Feb 1957		QW134	
6	8 Jan 1958	7 Feb 1958	QW135 to 159	RH46 to 57
7	10 Jun 1960			RH58
8	10 Jun 1960	16 Jun 1960	QW168 to 173	RH59
9	21 Jan 1961	14 Feb 1961	QW174 to 182	RH60
10	16 Jun 1961	24 Jun 1961	QW183 to 196	RH61 to 62
11	17 Dec 1961	18 Dec 1961	QW197 to 199	RH63
12	21 Jan 1962	27 Jan 1962	QW200 to 203	RH64 to 67
13	16 Jan 1963	3 Feb 1963	QW204 to 205	RH68 to 70
14	Apr 1963		QW211 & 212	
15	16 Jun 1963		QW206	
16	27 Jul 1963	5 Aug 1963	QW207 to 208	RH71 to 76
17	3 Sep 1963	11 Sep 1963	QW209 to 214	RH77 to 80
18	6 Feb 1964	7 Feb 1964	QW215 to 221	
19	17 Apr 1965		QW222 to 223	RH81 to 83
20	13 Apr 1968	14 Apr 1968	QW224 & 228	
21	29 Aug 1969		QW225	
22	14 Oct 1969	17 Oct 1969	QW226 to 227	RH85
23	17 Jan 1970	28 Jan 1970	QW229 to 240	RH87 to 90
24	25 Oct 1970	7 Nov 1970	QW241 to 244	
25	23 Dec 1970	24 Dec 1970		RH91 to 92
26	5 Feb 1971	15 Feb 1971	QW245 to 255	RH93 to 95
27	7 Jun 1971	16 Jun 1971	QW256 to 263	RH96 to 98
28	4 Jan 1972			RH99
29	17 Sep 1972	16 Oct 1972	QW267 to 278	RH100 to 106
30	14 Dec 1972	21 Dec 1972	QW279 to 285	RH107 to 114
31	1 Apr 1973	15 Apr 1973	QW286 to 295	RH115 to 116
32	29 May 1973	30 May 1973	QW296 to 298	
33	20 Jun 1973	27 Jun 1973	QW299 to 304	RH117
34	17 Aug 1973		QW305	
35	1 Nov 1973	13 Nov 1973	QW264 to 266	
36	17 Mar 1974	24 Mar 1974	QW306 to 309	
37	5 Jun 1974		QW310	
38	29 Mar 1975	17 Apr 1975	QW311 to 319 & QW364	
39	27 Jun 1975	24 Jul 1975	QW320 to 333	
40	4 May 1976	24 May 1976	QW334 to 340	
41	2 Sep 1976	26 Sep 1976	QW341 to 363	RH118 to 120
42	28 Nov 1976	6 Dec 1976	QW365 to 367	RH121 to 123
43	16 May 1977		QW368	
44	22 Mar 1980			RH124

Compiled by Max Meth

Lost Property

Do you know the whereabouts of a Suunto Compass (serial number 041917/3) and a Suunto Clinometer (serial number 835774). Both are housed in a distinctive yellow rubber protective case and stored within a blue leather pouch. If you have seen these two items could you please contact Steve Milner after hours on 344 3467.

PROGRAMME

May

27+28	Cave Surveying for beginners, Upper South East	Alan Jevons
27	Records and Library Working Bee	George MacLucas

June

3-4		
4	Navigation Training in Corra Lynn	Alan Jevons
10-12 LWE		
17+18		
24+25		
28	General Meeting - Cavers Quiz Night (9.00pm) Extra-ordinary General Meeting (8.00pm)	

July

1+2		
8+9		
15+16		
22+23		
26	General Meeting - Gear FreaksÕ Heaven	
29+30		

late July or early Aug	Kelly Hill caves	Grant Gartrell
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August

5+6		
12+13		
19+20		
23	General Meeting - Cave Potential on the Fleurieu Peninsula	Grant Gartrell
26+27		

September

2+3		
9+10		
16+17		
23+24		
27	General Meeting - The 1965/66 Mullamullang Expedition	Athol Jackson et al
30		

Extended Trips

23 Sept ÷ 8 Oct (provisional)	Nullarbor, Survey of Old Homestead	
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Impromptu Trips

frequently with little notice	Digging at Sellicks Hill	Grant Gartrell
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