

Volume 16 Number 2

BULLETIN *of the*

Sydney

University

Speleological



Society

TASMANIA - MAY 1976 - LOGBOOK

The characters: Cathy Merchant (SSS), Bruce Welch (Ferret) (SUSS), Guy Cox (Badger) (SUSS), Geoff Innes (SUSS), Paul Greenfield (SUSS).

3rd May: Sailed from Melbourne on Empress of Australia.

4th May: Arrived at Devonport 10 am; contacted Albert Goede and Bob Woolhouse by phone. Drove to Hole Creek, made contact with Marakoopa cave guides and moved into NCC hut. Ferret and Badger went for a walk down Sensation Gorge, and noted a dry valley and wet-weather resurgence.

5th May: Went to Wet Caves to try out wetsuits. First visited Honeycomb Cave and spent some time more or less successfully tracking down the active stream course. Then on to Wet Cave, where we followed the spacious stream passage - admiring the formations - up to a boulder choke. Badger investigated the choke but did not go right through. We retired wet and impressed.

6th May: Drove to Cradle Mountain and took a walk around Dove Lake.

7th May: Went to Burnie by a devious route which took in Gunn's Plain, where we observed a stream resurging from the hillside. We (Bruce, Cathy & Guy) investigated and found a cave entrance blocked by vegetation. We fought our way in and explored 20m or so in ordinary clothes - the cave continued but became muddy. Then to Marawattah on the NW coast, where we spent the night in a cabin.

8th May: Returned to Devonport early, to meet Paul who was arriving on the Empress. After lunch Badger & Ferret returned to Wet Cave for a photographic trip. We took lots of pictures and then investigated the boulder choke - we swam through and found a guide wire into a vast chamber. Followed the guide wire up and up by a corkscrew route. Noticed we were standing among tree ferns, and realised that (a) we were on the surface (b) it was dark. This hole, we later learned, is Georges Pot. Returned through the cave and met Paul, who had come to pick us up, and had been waiting a considerable time. Time underground: 4 hours.

- 9th May: Got up too late to do Kubla Khan, so went to Baldock's Cave. Went upstream to stream sink - no enterable cave there but some promising digs. Then found Baldock's Cave, an old show cave of little interest. The stream is seen in the cave, but cannot be followed. Following the dry valley downstream, we looked at various minor entrances. Between Baldock's and the flood sink a small stream enters and sinks, but again there is no enterable cave. The dry valley ends in a promising cave, but it is blocked by a log jam after 10m. We did not visit the main resurgence. We headed back to the hut via a 'short cut' over the ridge. Vegetation was distinctly hostile, but a logging road eventually provided salvation. Birthday celebrations that evening, Cathy having very ingeniously baked a cake over a log fire!
- 10th May: KUBLA KHAN. Intended to be a photographic trip but for technical reasons no pictures were taken. Paul traversed, Badger & Ferret splashed, to Cairn Chamber. The climb up (definitely more than 6m!) was not too difficult. Navigational problems beyond caused only slight delays, and Xanadu Chamber was reached and duly admired. We followed the marked paths to the Forbidden City and the further end of Xanadu, and were suitably impressed, before returning. Back in Cairn Chamber the Pleasure Dome was investigated, and caused total cessation of conversation. A rapid retreat along the streamway was then made, as Paul's light was fading. Attempts to drown Paul failed. Time underground - 7 hours.
- 11th May: Genghis Khan - late start. Lots of formation but somewhat trampled. Gentle photographic trip - all 4 (Cathy, Paul, Bruce and Guy) underground! Time underground - 2 hours.
- 12th May: Herberts Pot. Early start slightly wasted by trouble locating the entrance. At 10am Badger and Ferret went down still not convinced it was the right cave. 10 minutes in, the 75 foot pitch convinced us that it was Herberts Pot, so we returned to the entrance for rope, jumars etc. The pitch was superb, but

was followed by a series of squalid climbs and crawls that led to the streamway. The stream sinking at the entrance is not met again until it joins the main stream. We followed the main stream passage upstream to a waterfall, and could find no way up. Downstream, a large chamber led by a devious route to a dry oxbow, thence back to huge stream passage. Stream ends in a very final-looking sump. Way out found without too much difficulty. Definitely the most arduous cave at Mole Creek! Time underground - 6½ hours.

13th May: Went to investigate holes mentioned to us by Mrs Kelly as being on her property. The holes in the field at GR 4474 54966 (Mersey 8114 Ed 1) which have large logs over them, were entered but the deepest went down only 20' approx. to an earth choke - not very promising. Mrs Kelly then told us of a hole on the top of the hill, down which a cow had fallen some years ago. This hole was located at GR 4472 54968 and 120' of rope dropped down. Bruce descended to a rock-jam ledge at -90', from which the pitch appeared to continue for at least 60'. We suggest the name of DEAD COW POT for this cave. Having no more rope to hand we were forced to abandon exploration. Mrs Kelly also told us of another hole (towards the concrete tank) down which a murdered man had been thrown some years ago, but we didn't have time to locate it.

Drove to Hobart - Bruce hitched; Cathy caught train.

14th May: Drove to Hastings in two shifts. Contacted Albert Goede at Hobart Uni. Established ourselves in hut near Hastings Caves.

15th May: Late start for Exit Cave trip. Left car at 12.15 pm; found track good and well-marked and reached cave at 1.15. Quick lunch at cave entrance, located gate, set off upstream. Impressed by size but little else. Some navigation problems in rockpile. Detour up from Camp 2 to look up Mini Martin, then on to Grand Fissure. Return also had navigation problems in rockpile. Not altogether impressed by Exit. Return walk took 1½ h. Time underground 3 hours - all 5 on trip.

16th May: Double trip to Hobart. Paul & Guy did tourist inspection of Newdegate Cave - impressed.

17th May: Left Cathy in Hobart to study in Uni library. Drove to Maydena, met Max Jeffries and visited superintendent at ANM with him, to check permits. We established ourselves in the TCC hut (June Homestead). The road from the hut to the caves has been blocked by ANM, so that access to caves is only through the ANM boom-gate.

18th May: KHAZAD-DUM found without much difficulty, following well-tagged trail. Another late start - went underground 3pm. River in flood, making the entrance rather impressive (and awkward). Handline climbs negotiated rapidly but the 92' pitch took a little finding. A very impressive pitch into a huge stream passage, landing on a boulder pile a long way above the river, but alongside a waterfall, extremely imposing in flood. 30' and 70' pitches quickly descended to streamway. Stream passage a spectacular sight in flood. The 25' first streamway pitch was equally spectacular and definitely not to be descended. Chocolate and mint cake were consumed, and we retreated. The 70' took some time on the way up - three rope-protectors didn't help, and neither did back-packs on the upper section! The 30' was passed rapidly but the 90 saw even more chaos. We got back to the car just before 11 - the route back was unexpectedly easy to find. A good hard trip. Time underground - 7½ hours approx. Team - Geoff and Paul. Porters - Guy and Bruce.

19th May: Bruce set off at 8 am to fetch Cathy. Remainder rose at 12 noon as Bruce & Cathy returned. Hard trip to June Rising in the afternoon - volume of water was impressive. Time underground - 10 mins.

20th May: Trip to Lake Pedder (the new improved version) and Lake Gordon. Not impressed by HEC's work. Weather gloomy, mountain tops hidden in cloud.

- 21st May: Welcome Stranger. An easy, well-decorated cave - and it's even near the road! Many flashbulbs popped in the streamway. The upper level is also well decorated, but as so often the marked trail seems to have been marked too late. All went underground. Time 2 hours.
- 22nd May: Guy flew back to Sydney. Remainder returned to Mole Creek - Geoff by train to Deloraine, others drove via the Great Lakes - rainy and misty, no view. Arrived at hut and found a note from Bob Woolhouse, then returned to Deloraine to pick up Geoff.
- 23rd May: Further investigation of Dead Cow Pot. Entrance pitch turned out to be 145 feet, leading to a few muddy chambers. We did a quick Grade 3 survey - in all about 88 feet of passage. Also looked at the hillside but didn't find anything more. Spent 4pm to 9.15 pm in the cave. Afterwards we visited Pat & Leslie Kelly, and were home by midnight. (Map of the cave was subsequently drawn up and forwarded to Bob Woolhouse).
- 24th May: Quick trip to Wet Cave and Honeycomb Cave (2 hours) to show Geoff these, then went to Genghis for a 1½ hour photographic trip.
- 25th May: Drove Geoff to Deloraine then returned to the hut, packed up and returned to Deloraine to buy 19 lbs of coloured wool, then on to Launceston where we rang Bob Woolhouse. Arrived in Devonport in plenty of time for the boat.
- 26th May: Drove to Sydney (nice place, wouldn't want to live there though, nearest good caves are a thousand miles away - in Tasmania).

Guy Cox & Bruce Welch

YARRANGOBILLY RESEARCH GROUP SYMPOSIUM REPORT (continued)
29/30 NOVEMBER 1975.

Randall King,

SESSION TWO - Sunday

YARRANGOBILLY CAVES LIST, CAVE TAGGING/ MAPPING

The day was spent discussing each cave and updating the caves list thereby tying in the work of a number of individuals and societies over the past few years.

GENERAL NOTES

1) FUTURE S.U.S.S. PROJECTS- SURVEYING, ROCK MECHANICS

It appears that SUSS should involve itself in work at Yagby in a number of ways. After all, it was SUSS who opened much of the area up on the speleological scene during the 1950's. Many of the small caves in the Pine Forest Area, for example, need to be surveyed. Much scope also exists for a programme of the study of rock mechanics in the area. Suitable sites for this study could include;

- (a) Jersey Cave - cracks have appeared in the wall
- (b) Eagles Nest- Railway Tunnel rockpile area
- (c) Y55 North Glory Hole- Y59 - much breakdown evident.
- (d) Glory Hole - (I assume this should read 'Glory Hole Cave'...Ed.)

P. Wellings reports some preliminary studies of the Grand Dome (JSSS 16(8):228) using Landrovers to try and measure the effects on the limestone. This followed some rumoured reports that the roof was in danger of imminent collapse. The results obtained are not encouraging due to some miscalculations in the experimental method and a full report is in the process of being published.(P. Wellings pers. comm.)

An enlargement on the general subject of rock mechanics should appear in the SUSS Bulletin during the year.

2) AERIAL PHOTO' DATA - YARRANGOBILLY AREA

Run Number: 00477 2005/053 Yarrangobilly River/ Gorge
Area: Yarrangobilly Run 3
Date: 23/7/72
Focal Length: 87.8mm.
Height: 19,800 ft.
Enlargement: X 37.
Scale: Approx. 1:9560.
Run Number: 00477 2004/135 Pine forest area.

3) AREA CAVE ENTRANCE MAP

The updated 1:15840 revised area map is available to approved societies/ individuals from the Sydney Speleological Society.

4) COTTRILLS COTTAGE ACCESS

The cottage is available for use by ASF societies and YRG members from Steve Wheatley (UNSWSS) in Sydney and YRG in Canberra. A charge of 30c. per night applies in addition to replacement of anything broken/lost from the house.

R.K. 4/476.

SUSS Bull. 16(2):20

NEW AUSTRALIAN DEPTH REC RD AND THE AUSTRALIAN DEEP THREE BOTTOMED.

Randall King.

Tasmania - June. Florentine and Mole Creek. 16-19 April 1976.

Participating Parties : S. McCann, N. Hickson, P. Ruxton, J. James, S. Nicwendyke, R. Lewis, D. Martyn, (S.S.S. & Co.), P. Winglee, R. King (SUSS).

Kazad Dum, Cauldron Pot, Tassy Pot, Kubla Khan.

"Have we really investigated every possibility, or is K-D one day going to be another Tassy Pot or Herberts Pot, where cavers from another Society, and perhaps a future generation are going to make another major breakthrough??"

Goode. A.S.F. Newsletter
No. 70. Summer 1975.

The objective of this trip was to fly from Sydney to Hobart on Thursday night and attempt to bottom Kazad Dum, Cauldron Pot and Tassy Pot in the Juneo area on consecutive days, whilst attempting some exploration if time permitted, and then proceed north to Mole Creek on the Monday for a lightning trip to Kubla Khan before flying back that evening.

It would be fair to say that the trip wasn't exactly a leisurely affair. In fact, it is amazing what an incentive it provides when the cost is over \$50/cave entered!

We were very lucky that we arrived at a time when the water levels in the Juneo Area were extremely low. Only a month later, a torrent of water in Kazad Dum prevented a SUSS party from proceeding past the streamway in the early section of the Kazad Dum route. It also only rained 50% of the time we were there, which apparently rates as a drought in Tasmania.

So after picking up our hire cars from Hobart and driving out to the Juneo hut on Thursday night, a dawn start the next day saw us in the rainforest bright and early. One party descended KD via the Dwarrowdelf Series of shafts, whilst another group rigged the KD streamway route; the idea being to swap over for the exit out. Arriving at the KD sump (-1054'), we began a systematical exploration of the area; our major objective being to try and push the passage mentioned in ASF Newsletter 70.

"At the top of the sandbank is a passage leading on - small by Tassy standards- where Phil Robinson had been down a few hundred feet. "

(Williams, NARGUN March 1973)

The breakthrough came when the rockpile at the passage end was pushed - a few tight squeezes, and then, into virgin-meandering stream passage with an approx. $\frac{1}{4}$ cusec stream. Following this through led to an even larger stream and eventually a large, round sided sump, which in the crystal clear water extended downwards as far as our light could shine without rocks or other obstructions. Sump III! The source? Possibly from sump I. Our guesstimates were that sump II was of the order of 20-50' lower than sump I - an Australian depth record, bringing KD closer to the -1100' mark. After much emotional celebration, an intensive search on the return to sump I resulted in the discovery of yet another sump, sump III, at a higher level, the source of which is possibly derived from a small flow of water which has been observed (Neil Montgomery- pers comm.) beneath the rockpile below the last 220' Dwarrowdelf
SUSS Bull. 16(2):21

pitch.

The new section has been named the 'Depths of Moria' in keeping with the Tolkien 'Lord of the Rings' tradition of the cave.

"The Mires of Moria were vast and intricate beyond imagination..." Pp 328

A grade I map of the 500' extension has now been drawn. Finally, a tired group of speloes returned to the Junco Homestead at midnight.

For Saturday and Sunday we split the groups again, each attempting Cauldron Pot or Tassy Pot alternately on each day. Both were successfully descended to the bottom, although the rigging party ran out of time at the top of the last pitch in Tassy Pot due to problems in locating the doline during the day, so this was left to the following day before the second group completed the descent, Cauldron Pot (264m) is really in a category all of its own and there is neither time nor space to be able to adequately describe it here. Bill's Bypass, the 80m deep and 100m long inclined squeeze into which abseiling and prussicking in the unavoidable 2°C, invigorating stream and, finally, the infamous diagonal traverse a la bolt at the start of the bottom 180' pitch- all add up to rate this as Australia's premier hardest technical and sporting deep cave.

Two objectives had been to explore the bottom chamber of Cauldron Pot and the undescended shafts from the last pitch in Tassy Pot. Time and energy were problems in Cauldron Pot, so the exploration here was not accomplished, although the chamber undoubtedly deserves further exploration for new leads. The unexplored shafts in Tassy Pot were considered to lead down into the bottom chamber upon investigation so this descent was not attempted.

With the exuberant assistance of Therese Goode to the rescue after losing a car with a fan blade through the radiator, we drove to Mole Creek on Sunday night and early the next day a rush trip into Kubla Khan was made. The cave is in superb condition, the pristine formation the equal of anywhere in the world. To even begin to describe the beauty of the Pleasure Dome completely filled with gours is not worth the effort. Not to mention the Khan itself!

Finally; an alcoholic flight back to Sydney (plus our incredible amount of equipment!) with a deepened respect for the Tasmanian who had explored the caves; especially considering that most of the exploration parties used ladders! There is still much to be discovered yet.

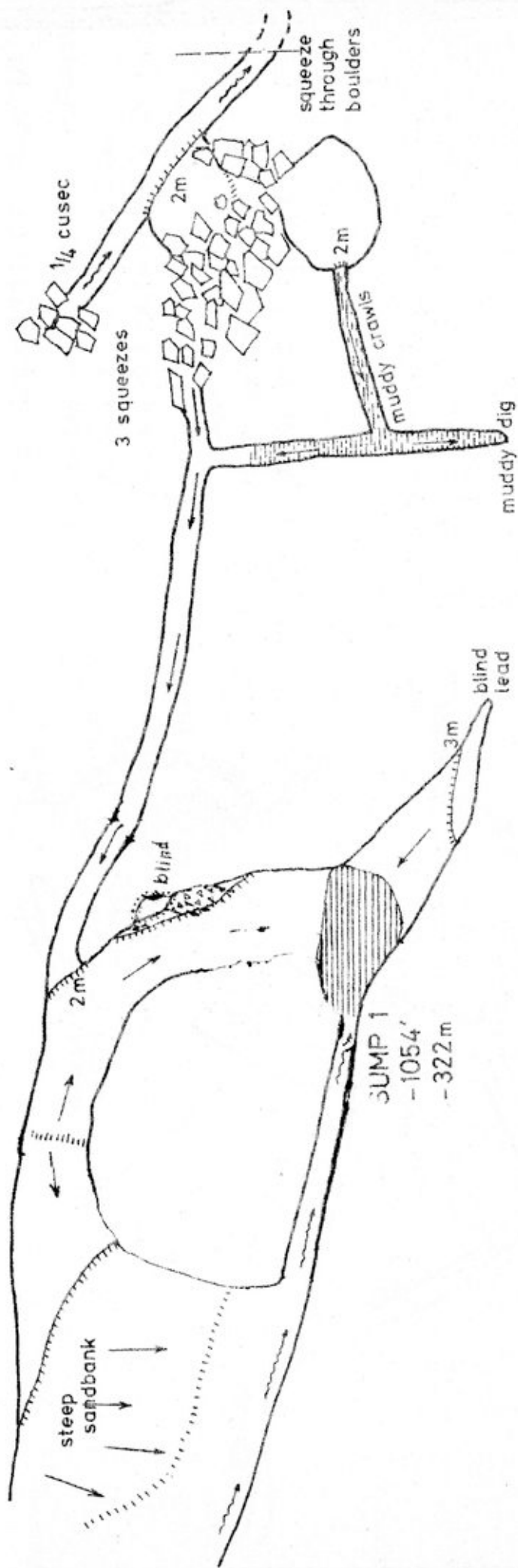
A Bolated Trip Report.

Jenolan 6-7 Sept. 1975.

B.R. Welch

Work carried out;

1. Surveying of Peter Lambert Cave (J166)
 2. Surveying of Wallaby Cave (J22).
 3. Documentation of 4 further caves on Dwyer Bluff.
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THE "DEPTHS OF MORIA"

New Extension to KAZAD DUM JFL/5-JFLH

June - Florentine, Tasmania.

Discovered & Explored 16/4/76 by

S. McCann, N. Hickson, P. Ruxton,

R. Lewis, P. Winglee, J. King.

DRAWN: Randall King 20/4/76.

GRADE: ASFL SCALE 1:200

THE "DEPTHS OF MORIA"

New Extension to KAZAD DUM JFL4/5-JFL4

June - Florentine, Tasmania.

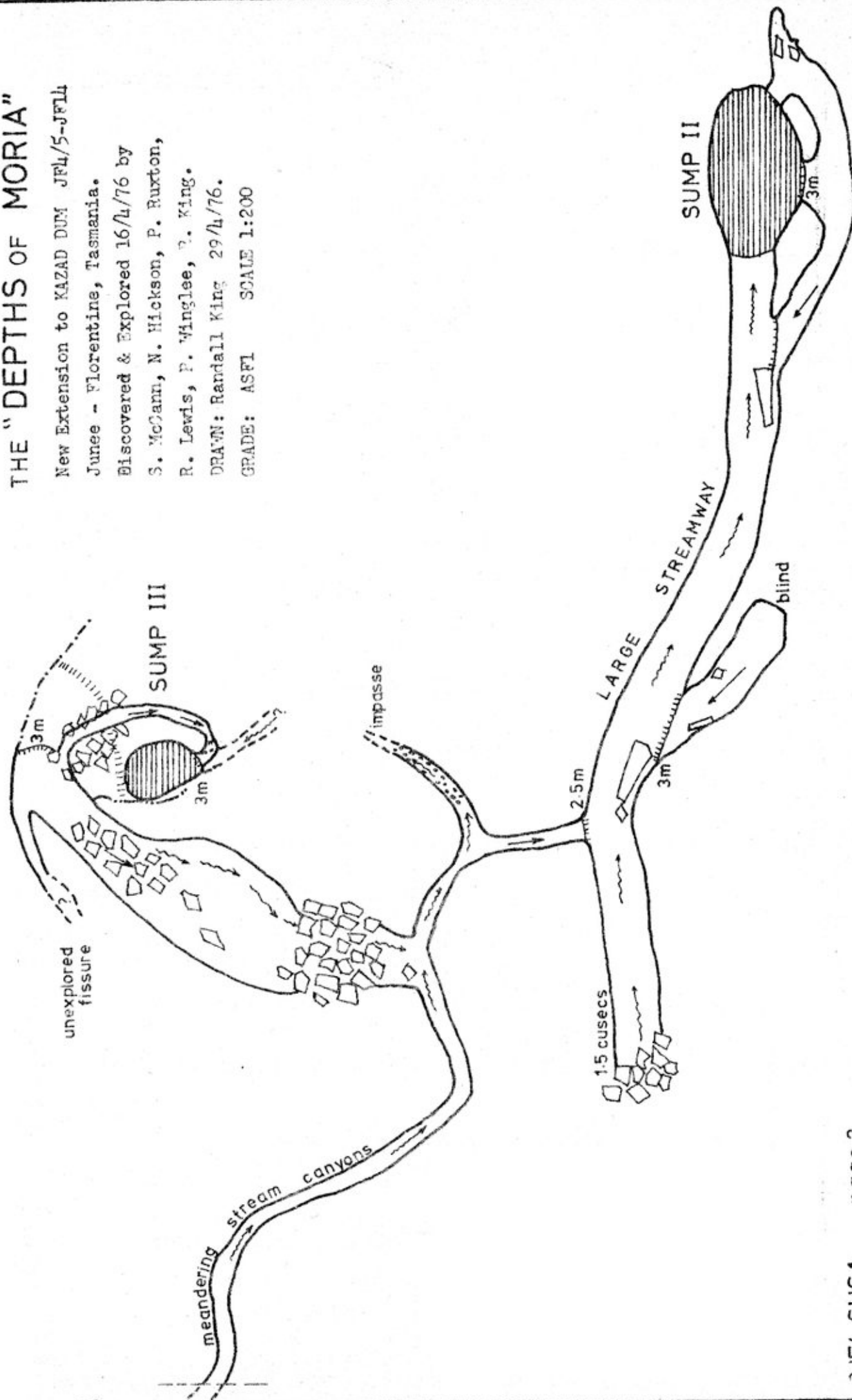
Discovered & Explored 16/4/76 by

S. McCann, N. Hickson, P. Ruxton,

R. Lewis, P. Winglee, P. King.

DRAWN: Randall King 29/4/76.

GRADE: ASFL SCALE 1:200



SUSS FINANCES 4 1/3/76 - 25/6/76.

RECEIPTS

BALANCE(901-001)	83.41
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MEMBERSHIP

FULL (17)	119.00
ASSC. (4)	28.00
FAMILY (2)	18.00
CORRES. (1)	4.00
PROSP. ()	68.50
TOTAL	<u>237.50</u>

DINNER REPAYMENTS

UNSWSS	44.25
MUSIG	17.70
TOTAL	<u>61.95</u>

MISCELLANEOUS

BADGES	2.00
BACK BULLS.	1.60
DONATIONS	.20

TOTAL RECEIPTS	<u>386.66</u>
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BALANCE 25/6/76	182.60
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PAYMENTS

CHEQUE BOOK	5.00
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FEB - MAR. BULL. 7.08

PAPER	38.00
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INK	10.58
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TOTAL BULLETIN	55.66
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A.S.F.

G. Cox	1.50
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1976	114.00
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TOTAL	115.50
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Bob Mawson(1975) 14.12

EQUIP. FUND TRANS (1975)	10.78
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LETTER BOX	3.00
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TOTAL PAYMENTS	204.06
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BALANCE 25/6/76 C/D	182.60
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TOTAL PAYMENTS	386.66
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FOR PROPOSALS
EXPENDITURE

R. King F.M.	7.00
S. McCann A.M.	6.00
WINE	unknown
POSSIBLE F.M.'s	33.00

BULLETIN 130.00

INTERNATIONAL SPELEOLOGICAL PHOTOGRAPHIC COMPETITION

THEME: Scientific and sporting speleology.

WORKS: Black and white and colour prints.

All those interested should contact Guy Cox. (The best way to do that is to come along to a meeting.)

XXX

HARD TIMES??

"In passing through this crack great care should be taken about the candles, as owing to the want of space it would be very easy to set oneself on fire and very difficult afterwards to extinguish."

Foster, J.J. 1890 The Jenolan Caves p.76. in talking about the flattener in Frenchmans Cave . J18.

THE JENOLAN CAVES LIST COMPUTER PROGRAM

R. King.

The computer is an extremely efficient tool for sorting and processing large quantities of data. As such, it is readily adaptable to producing formatted reports on cave documentation from raw data. Currently, this idea has been utilised by ASF to produce a listing of all tagged caves throughout Australia for the Speleo Handbook under a grant from the National Estate. However, on a smaller scale, I have written a program which is used to output various cave lists for the Jenolan area.

Basically, the initial impetus for using the computer was this: in order to facilitate the administrative organization and checking involved in the "Northern Limestone Book"; easily readable and sequenced lists of the 260 caves were required, with the important factor of being able to frequently update these. It also provided a good programming project into the bargain.

One could spend a good deal of time arguing here about the esoteric value of using a computer for projects such as this. Whether there is data for sorting these remains basically the same, and requires a prodigious amount of effort in terms of time. Another important criteria is the availability of free compilation and computer usage, which is usually available to students at universities or those working in the industry. For example, the development of the Jenolan program would have cost over \$1000 had the computer time not been gratis. Obviously, such a cost would be out of the question for the average speleo. However, for those with an interest in programming, speleology provides much scope in this area. Undoubtedly, the greatest advantage in using the computer is that after the program has been developed, there is very little extra work involved with adding new data, (apart from preparing the data), and processing times are extremely fast. Major areas for which the computer could be (and is being) used in caving are in administration (club membership information, including addressing for letters and magazines), documentation, surveying reduction and other scientific applications.

Now to describe the Jenolan Caves List Program. Written in Fortran IV, the features are:

a) Information on cave numbers, multiple cave entrances, cave name(s) and the subdivided area are entered as data on a deck of cards in any order-- a card for each cave. The limestone at Jenolan has been separated into 18 areas for administrative reasons, although this can be varied.

b) Four types of reports can currently be outputted on a printer.

Type I - Cave listing sequentially by numbers.

Type II - Cave listing sequentially by areas.

Type III - A 250 page report with a page for each cave headed by the number, name and area. This can be placed in a folder and used in field to manually record further information on all the caves.

Type IV - A provision for outputting updated or new caves only using the Type III format.

Further work is required to enlarge the programme. Provision needs to be made for including other information, such as cave lengths /depths, brief entrance location details and/ or description, cross-references for multiple cave entrances, and mapping information. Another innovative idea also envisaged is to include a symbolic map showing the relative location of the various areas in relation to the Jenolan River creekbed.

Currently the program is being rewritten in an advanced BASIC language available at Computer Sciences Australia, and will be flexible enough to accept data from any caving area in Australia. Copies of the Fortran IV listing are available for anyone interested by writing to me c/- SUSS.

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THE SUSS / SSS FOOTBALL MATCH

SUNDAY 20th JUNE

R.King

(An unbiased account by the unbiased sports reporter)

With much courage, quivering SSS members decided to accept the challenge of the indomitable SUSS football team, and for this great occasion one of the ovals at Moore Park was booked. SSSmembers came crawling out of the woodwork by the dozen. However, SUSSwasn't to be daunted by this display and turned up in force — Graham Smith, Malcolm Handel Steve Bunton, and myself with the assistance of the St. George Area Caving Team, Steve Wheatley from UNSWSS and a few SSS deserters — Julia J., Tony Dowling, and Steve Nieuwendyk.

We massacred them from start to finish. Tries were coming thick and fast with very little opposition. The undoubted highlight of the match was the absolutely brilliant and spectacular SUSS penalty goal towards the end which overshadowed all the other tries. In the face of such overwhelming opposition, SSS put up a valiant display, before collapsing 5 minutes after the game started.

The local UNSWSS heavies also showed up to sit on the sidelines and watch the blood. Undoubtedly the SUSS side shone through with a tremendous show of stamina developed during the gruelling 2 minute training program before the match.

All who played in the match will agree that this was a galah occasion which should become a regular institution. Many thanks to all who participated and contributed to the occasion — they will duly be remembered in the annals of SUSShistory.

Unfortunately we lost 27 - 2.

SPIDER CAVE MOVES INTO THE UNKNOWN

Supplementary Trip Report for the Jenolan Trip 12-14 Feb 1976

Bruce Welch

After spending about 3 hours digging squeeze 3 we returned on Monday and after a further 3 hours or so we broke through. Those who helped with the digging were Des McMaster, Cris Smith, Geoff Innes, and of course myself.

Cris must be congratulated with the effort he put into the digging- quite surprising for a prospective member on his second caving trip. He was well rewarded, being the only person other than myself to get through the squeeze and into more virgin passage. There is about 70m. of passage, and it is by no means small. After one passes through squeeze 3 the passage rises and one is able to walk along a 1m. wide passage. On the left hand wall is a large display of helictites, and after 5m. there is a difficult traverse over a crystal pool past some white flowstone. After this point the main chamber is reached, although the floor is some 4m. lower. To the left are 2 passages, both containing good decoration and helictites and they join. At the top of a crystal white flowstone (we detrogged of course) there is a high rift which we did not climb. Precautions will have to be taken before this is climbed to ensure that debris knocked down from above does not spoil the flowstone. This rift does not appear to end, and a majestic stalagmite can be seen at the top. (?-Ed.)

A difficult climb down some cemented conglomerate leads down to the main chamber which is some 4m. wide, 5m.+ high and 30m. long. This passage gets muddy towards the end until another gravel sump is reached. This 'sump' looks very much like the first dig in Spider Cave did before we started digging, and like all the other digs, this one appears to open out on the other side.

The main breeze is probably going up the high rift previously mentioned and I suspect that this may be the same breeze that has been observed coming out of the rockpile in Frenchmans Cave -- thus Spider Cave is the lower level to Frenchmans Cave and the certain way onto the Hairy Diprotodon? Well, it's a nice theory anyway.

This cave requires well planned and effective protection, not only the formations, but also the whole cave. This includes the conglomerate, the mud floor, scratch marks etc., etc. We must remember that just because a particular feature of a cave is of no obvious value (e.g. mud floor) that is no reason to obliterate it- it may be of considerable use in scientific research at a later date and it is not for us to decide what is and is not useful. We must preserve as much of the cave as possible.

Track marking will be carried out in the new section 14-15 August 1976. The sections of the discovered earlier have already been trackmarked.

[illegible]

COMING EVENTS

- 28-29 August. Jenolan. Contact Steve Wheatley of UNSWSS.
- 2 September. Monthly meeting. Manning House. 7.30p.m.
All should attend. Trips are generally arranged at these gatherings.
- 18 September. UNSWSS BBQ. Everyone is invited but no further details are known.
- 13-14 November. Jenolan. Bruce Welch ph.929 6432.

There is an ASF Conference in December.

LAST MINUTE RUSH JOB

~~6/8/~~

- 4-5 September. Jenolan. Bruce Welch
Diving in Lower River in Mammoth Cave
- 11-12 September Jenolan. See Randall King
- 21 September. Jenolan Sub- Committee Meeting. At B. Welch's place at Waverton

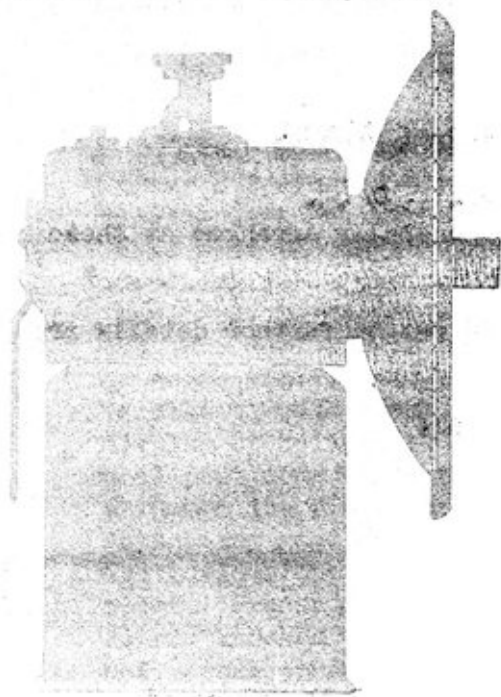
MORE MATERIAL IS REQUIRED FOR THE BULLETIN~~==~~

IT WOULD BE NICE TO GET ARTICLES FROM NWER MEMBERS~~=~~

EVEN SIDENOTES ARE USEFUL AS FILL-INS~~=~~

MATERIAL CAN BE GIVEN TO EITHER TONY AUSTIN OR KEITH MURRAY.

Lumen in Tenebris



Volume 16 Number 2
AUGUST 1976

SUSS

BULLETIN of the SYDNEY UNIVERSITY SPELEOLOGICAL SOCIETY

BOX 35, THE UNION,
UNIVERSITY OF SYDNEY,
N.S.W. 2006.

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