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C A V E

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MEETINGS

The Society meets on the 2nd and 4th Wednesday of each month at 8 pm at the Wheatsheaf Hotel (314 Macquarie Street). Visitors and prospective new members are welcome. Further details of our activities can be obtained from any of the above Office Holders, or by writing to us at the address above.

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Disclaimer: The views expressed within are those of the Authors, and not necessarily those of the Society.

Cover Photo: A massive ice cave within an iceberg, Davis, Antarctica. Dave Rasch

EDITORIAL

Well here it is, another Southern Caver, the next in a line of hopefully more frequent editions. As you'll see we're still catching up with trip reports and articles from sometime ago (up to about 7 years in fact!) but this magazine brings us virtually up to date. As with last issue we've changed the traditional format of the "Caver" by presenting both area, and a selection of detailed trip reports. I think this provides more complete coverage of what we've been doing but, any feedback on this would be appreciated.

As noted in the last Caver, the subject of amalgamation with the TCC has been raised again. For a short while it looked like something may actually happen but, after much discussion matters seem to have lapsed. Although the society has been active of late the number of members has been relatively static with few new and enthusiastic recruits. It seems to me to ensure the survival of the society, if that's what we want, then there needs to be a concerted effort to attract new members. To this end I've started organising more trips with venturers in the hope of finding some new blood. Any help with these trips or other suggestions for a recruiting drive would be welcomed.

On other Club business, after a long and protracted process the club became incorporated several years ago; recently after much debate we dis-incorporated. The reason for this change of heart was the realisation that incorporation does not confer the protection we initially thought it did (protection from financial mismanagement and not from actions resulting from injury), and imposed an added cost burden on the club.

The society light collection was recently augmented by the donation of damaged miners lights. These are being used as a source of spares for the existing lights. Thanks go to Rick Boyle for his generosity. While on the subject of lights, I would also like to extend the society's thanks to Jeff Butt for maintaining the lights in their current state of good order. Which brings me to another point; to ensure they remain in working condition please return lights **clean and dry** (especially inside the headpiece) as soon as possible after your trip and, remember to leave (and record payment of) light hire money in the jar!

Finally, the usual plea for articles for the next issue, it would be great to keep the momentum up and get another Caver, or even 2, out this year. So to everyone out there, I know you can write (well I hope...) so take up your pens and start writing or drawing up surveys!

By the way, if you want to keep your collection of Southern Cavers up to date you can subscribe (on a per issue basis, at \$4.00 each, post paid). To do this, just drop us a line. Back issues are also available, just write with your requests.

Andrew McNeill

The Rockpile

ANOTHER YEAR (SCS FINANCIAL ONE, THAT IS) HAS PASSED

With the passing of the AGM in April, **Annual Subscriptions are now due**. \$25, or \$18 student/unemployed. If you are not sure if you've paid yet, have a look at the Club Contact List towards the end of this 'Caver'.

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A new secondary light source???

Illuminated Bottle:

Put a piece of phosphorous the size of a pea into a phial and add boiling oil until the bottle is a third full and cork. On taking out the cork and admitting air the empty space becomes luminous. Keep it tightly closed and it will last for months.

from, "Young mans best companion of general knowledge" 1835.

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Yes it is possible to subscribe to this occasionally irregular magazine. For just \$4.00 per issue (yep, no annual subscription, so you wont be ripped off!) we will post out your copy of the Southern Caver. A quick observation of recent issues shows that each is jam-packed with **interesting** articles and **quality** surveys. There are a large number of back issues available too. To subscribe (suggest \$20 for the next five issues), or buy/enquire about back issues, please drop us a line with your cheque.

AREA REPORTS: JULY 1991 - June 1993

Over this period a total of 49 trips were recorded in the Society minutes book. On an area by area basis there were:

32 trips to Ida Bay,
12 trips to the Junee-Florentine,
2 trips each to Mole Creek and Hastings,
and 1 trip to Judds Cavern.

Overall club activity has been lower than in the past couple of years reflecting in part the ageing club members? The number of visits to Mole Creek continues to decline, partly due to the continuing access problems while interest in Hastings has also dropped off (we've trogged everything there??!). Included in these statistics are 2 trips to JF341 involving only one society member (Jeff Butt). Summaries of trips in each area and selected trip reports (some from prior to July '91) are included below :

IDA BAY. This area has become very popular, despite the lack of access to Exit Cave, with trips to Little Grunt (3 visits), Revelation Cave and, EMP Pot (2 visits each), Loons Cave, Arthur's Folly, and the inevitable Mystery Creek and Midnight Hole (6 visits). However, most activity has been concentrated on the West side of Marble Hill, with 13 trips to survey and explore Halfway Hole and environs. The number of trips to this area is surprising considering the 1.5 to 2 hour slog to get there!

JUNEE-FLORENTINE. Growling Swallet, Burning Down the House, Gormenghast, Three Falls, and Welcome stranger were all visited on tourist trips while some surveying and exploration were done in Rift Cave. Jeff Butt and Rolan Eberhard (Forestry Comm./TCC) pushed a lead in Three-forty-one, previously noted by Jeff and Greg Jordan during 1988, resulting in 1.7 km of extra passage.

MOLE CREEK. Tourist trips to Lynd's, Croesus, Honeycomb and Wet Caves.

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TRIP REPORTS (a selection from July '91-June '93)

Ida Bay-Valley entrance-Exit

21/4/91

Party: Russell Fulton, Daniel Muskee, Ruth Lanyon, Robina Sharp, Andrew McNeill

Left Hobart early and arrived at the quarry in quite heavy rain so decided to go to Valley Entrance. Mystery Creek was low and as there was only light rain as we walked up the hill we thought the weather may be on the improve. Entered the cave at 10:50 am. Placed an old ladder on the final drop into Exit then visited the acoustic chamber before heading to the Grand Fissure for lunch. The creek still seemed low so we decided to push on down the streamway and exit via IB86. By the time we passed the Mystery Creek inflow the creek was rising perceptibly. We moved on quickly to the D'Entrecasteaux River junction feeling confident we would get out OK as I had been in the cave in higher water levels and had no problem. I attempted to cross the stream but made it only 2/3 of the way before the water was nearly chest deep and as I hadn't reached the deepest part of the channel I returned, against quite a strong current (unusual, the water normally ponds at this point in high flow). After discussing the options we decided to wait awhile to ascertain if the creek level was dropping. After 20 minutes it was down about 3-4 cm and we decided to wait as it would probably only be 2-3 hours before it was safe to cross (the alternative being a return out Valley Entrance which we estimated would take 5-6 hours to get back to the car).

While the others found a sheltered spot and settled in wrapped up in a space blanket, I decided the best way to dry off was a bit of frantic activity and set off on an exploration of high level passages in this area, something I'd never bothered to do before, finding some quite good formation and several leads to follow up later. I returned to the others and had a brew (I'd brought my Trangia) before finally crossing the creek at 10:30 pm. The water level having dropped approx. 40 cm. We headed for the entrance to find the old emergency crossing was completely unuseable (it had been in a pretty bad way when I last had to use it a couple of years previously) and water levels still too high to cross safely. A retreat was called for and we found a sheltered spot on the large sand bank near the D'Entrecasteaux crossing and settled in for another wait. After a few more hours we were starting to get cold and as the creek had dropped further we managed to cross using a safety line (the water was still neck deep on me). A quick exit was made via IB86 to find the ground outside covered in 2-3 cm of hail, a howling gale blowing and the time at 2:40 am. Following the track out was reasonably easy and we reached the top of the quarry at 3:30 am, where we were met by Greg Jordan and a group of police who were just setting off to look for us. Cadged a lift down to the search base at the bottom of the quarry where we discussed what had gone wrong with the search coordinator, got changed, thanked everyone and then were driven home by Greg, arriving in Hobart at 6:30 am.

Due to a radio problem a search party, including Dean Morgan, who had set off to Valley Entrance were unable to be recalled and ended up doing a through trip, finding the water levels somewhat lower than we had!

The fast response of the police was due in large part to Phil Jackson, who having seen the poor weather and knowing I should have been home by 7-8 pm, as we were going to a Divinyls concert, initiated S+R procedures earlier than normal (thank you Jacko!). Once again I'd like to thank everyone who turned out on such a dismal evening.

Andrew McNeill

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Ida Bay-Little Grunt (IB23)-(3 trips: EPIC, Little and Medium Grunts)

EPIC Grunt: Ian Houshold (PWH), Arthur Clarke (TCKRG), Kevin Kiernan (FC),
Bob Reid (TCC), Luke Van Zino (SCS), Vera Wong (TCC),
Jeff Butt (SCS)

25/11/91

Little Grunt: Dave Rasch, Jeff Butt, (also a TCC party of 5)

1/12/91

Medium Grunt: Mark Doyle, Jeff Butt

31/5/92

EPIC Grunt: A monday of frenzied activity in the then 'new cave'. All sorts of people from many different organisations (SCS, TCC, TCKRG, PWH, FC) pooled their resources to work on Little Grunt as part of the effort to stop the expansion of the Quarry. Exploration and surveying was the order of the day. Vera, Luke and myself formed one survey team and commenced our survey from the second last pitch. The others headed to the end of the cave to survey, collect fauna and take photographs. Our survey (after 657 m, a good days work) joined that of the others at the major stream junction. Despite survey gear being put away the work for the day wasn't quite over. Arthur found the Grunt to be rather a bit more than 'Little' and Ian, Kevin, Luke and myself shared a very slow and cold exit trip (of 5 hours duration), assisting and coaxing Arthur out through all the tight and nasty bits. Our emergence was at around 1 am, the local policeman had arrived (being called out by Vera and Bob, who were concerned at our non-appearance) by then. It was exceedingly good to get out, especially as I was 'sick' that day. All up, Little Grunt was then estimated at over 3 km long and the prospects of linking the Eastern Passage (positively dye traced) were not out of the question.

Little Grunt: Dave and I zoomed (45 mins) down the cave, it's a surprisingly easy cave to negotiate when in gravity assist mode. However, 'EPIC Grunt' gives a good indication of how hard it can be under the worst circumstances. We met Stefan, Rolan, Vera, Trevor and Dean down within, they were checking out leads in passages heading back under the Quarry. We tackled the downstream rockfall, but without much success. An extra 56 m length was gained. After that we checked out the old fossil passage which continues on from the main stream passage. This is quite an amazing passage, it is practically constant in dimensions and just barrels on in a dead straight line for about 500 m (cushy surveying country) and heads straight for Exit. It terminates in a dripping aven, but I'd take a bit of persuading to carry a scaling pole down the Grunt! Our trip out was a very pleasant hour and a half, not too much grunting involved.

Medium Grunt: 6 months after the initial flurry of activity I was in need of a caving fix and Mark, who was learning the ropes at that stage felt like a bit of practise. The cave had been rerigged by Stefan with PWH 11 mm rope and he had done a fine job of it too. By rigging an alternative route on the last pitch one of the tight nasties was eliminated. We had a foray upstream and then checked out some of the minor side passages off the main streamway. One virgin passage, on the left about 10 m upstream of station 141 (at a small tributary stream) yielded about 400 m of passage and we didn't exhaust all the leads. The trip out was without incident, Mark managed the the difficult pinches and SRT work very well.

Jeff Butt

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Ida Bay-Revelation Cave (IB1)

2/1/92

Party: Russell Fulton, Mark Doyle, Ruth Lanyon, Anthea Hill, Jan Barton,
Greg Jordan, Andrew McNeill

A reasonably early start saw us at the car park by 10 am. We wandered in to the cave with Russell demonstrating his prowess at remaining near the end of the party to avoid getting wet in the scrub. Grovelled down to the top of the pitch where Greggles went ahead to start rigging. After a couple of minutes there was a tremendous crash followed by ominous silence! Greg eventually yelled up that he was OK, but a large flake above the top of the pitch had decided to fall off. The somewhat shaken Greggles retreated to leave Russell to rig the pitch using a trace high on the right backed up to a thread about 10 m up the passage where we were waiting.

After descending the pitch we headed down the cave looking at side passages on the way, had a drink where the creek enters the passage and continued on to the dig. While I had a scratch in the dry way, Greg and Mark investigated the wet lead. Both were convinced it would go given a pinch bar to remove a boulder blocking progress. An attempt to drown Mark, by damming the creek and releasing it while he was in the tightest part of the lead, failed dismally. Headed back up the main passage and after Anthea explored the creek for a short distance, Greg and I jumared the pitch and belayed the others up on a ladder. Exiting from the cave was uneventful, apart from a minor mud fight near the entrance, and we cleaned our gear in Mystery Creek before returning to the cars. At the carpark we met Daniel and Ellen Muskee, and Luke Van Zino who had spent the day sitting in Exit's Nostrils protesting about the planned extensions to Bender's Quarry. Strangely enough we ran into them again at the Kermandie pub on the way home.

Andrew McNeill

Ida Bay-Various near Bender's Quarry

23/2/92

Party: Jean Jackson, Greg Jordan, Mark Doyle and Andrew McNeill

As the weather wasn't too good we decided to abort the planned Halfway Hole area scrub bash and have a look at the holes Russell and I found on the fateful "arrest trip" west of Bender's quarry.

We wandered up the blue taped route in light rain and started exploring the obvious entrances where a red-orange taped route intersects the blue tapes. The first cave, a tear-drop shaped shaft 10 m deep was blocked by a large log. Rocks dropped down a small hole fell several metres further but a chainsaw(?) is required to cut the log away and enlarge the hole. About 30 m further on an west of the taped route Mark descended a 15 m deep rift that became too tight. We continued uphill and I descended a shaft on the track, it was, you guessed it, blocked at 8 m depth. Greg descended the highest entrance that we'd found, to the inevitable blockage at 15 m depth. By this stage it was bucketing down so we traversed west into a gully and started heading for home. Mark noticed a small entrance which led to a fauna rich passage and a chamber at -12 m with 4 tight leads, one is impossibly tight but the other 3 would go with more forceful pushing and possibly some digging. This cave obviously contains a stream at times.

The others continued down the valley while I traversed further to the west and found that the karsty terrain disappeared. I rejoined the others where Greg had located another entrance, which after considerable gardening led to a 5 m deep rift

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that became too tight. Lower in the gully we found IB204, the entrance of which looks much more impressive than the Karst index suggests, and a couple of other entrances. By this stage we were thoroughly sick of being rained on and headed for home. (Note: all the caves found were marked with two blue tapes.)

Andrew McNeill

Ida Bay-Revelation Cave (IB1)

1/3/92

Party: Greg Jordan, Jean Jackson

Aimed for a low stress trip with a dig at the end. Managed to dig out the squeeze (mentioned in the trip report of 2/1/92) and pushed through a flattener, down a 4 m drop to a tight rift with lots of loose rock. Estimated to have extended cave about 30 m horizontally and 6 m vertically. Returned to surface uneventfully.

[When questioned about the lead Greg said it looked un-inviting and things like "How keen are you?"-Ed.]

Jean Jackson,

Junee-Florentine-Rescue exercise in Khazad-Dum

25/4/92

Party: M. Doyle, D. Morgan, J. Butt, L. Wilson, A. McNeill, and a cast of many from the TCC, NC and the police.

The Bears Version:

Made it to the SAR store roughly on time and after a quick briefing departed in convoy for the Junee quarry road. The search base was set up on the knoll just past the KD track. After the usual chaos the rigging party (Me, Dean and Steve Bunty), phone party (Stuie's Nicholas and Scott), patient (Jason) headed in.

We meandered down the main route to the top of the 21 m pitch where Bunty placed 2 bolts out in the rift to give a free hang. The Stuie's and the patient soon arrived and Dean, Jason, and Stuie Nicholas descended the pitch while the haul system was set up. Hauling was quick and easy but getting the stretcher off the pitch was more of a problem compounded by Dean nearly torching the ropes with his carbide every time he bent over, and the stretcher not being assembled properly. Support arrived soon after we had fixed the stretcher so Dean, Bunty and I started heading out, rigging and bolting the 9 m and 28 m pitches. We passed several pairs heading in, including Jeff, and arrived on the surface quite tired (I hadn't done much vertical caving for ages). Had a rest at Bob Reid's fire, in light drizzle, until Stuie Scott arrived at the surface and Doyley and 3 others headed in.

As things seemed to be going well Bunty and I started wandering back to the search base, passing Lindsay Wilson who relieved us of the bolt kit (oooops!). The rest of the exercise was passed pleasantly sitting around a fire waiting for the others to return.

[A more technical report on this very successful exercise was written by Stuart Nicholas and appeared in the Australian Caver (No. 131, pp 5-9).]

Andrew McNeill

Junee-Florentine: Three-forty-one (JF341)-(2 trips)

4 and 18/6/93

Party: Rolan Eberhard (Forestry Comm./TCC), Jeff Butt

Trip 1-having managed to arrange to work part-time (Fridays off) I volunteered to help Rolan with his water tracing work (Forestry Comm. Project) in the Junee-Florentine. The aim of the day was to place detectors for dye tracing some of the

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streams and to show Rolan around some of the 'SCS bits' of Three-forty-one. After placing two sets of detectors we headed down to the scene of the failed Butt-Jordan 'mud raking/human ladder/lets see if we can get into this passage' escapade of 1988. Maybe the mud/silliness factor was a bit lower, or perhaps the Gods were just in a good mood, but this time we managed to access this no-holds grovel (and left a tape in place for future access) and immediately got into 'new cave, there's a breeze, whoopee' mode. A particularly gloppy bit of narrow canyon passage was negotiated (Klingon Way) and we intersected a much larger passage carrying a moderate sized stream. A 'you can go down, but not come back' slope separated us from the water. After scrounging everything at least partially linear (too bad gumbies don't have laces) we had about 6 m of handline, but nothing other than each other to use as anchors. I belayed Rolan down to allow him to place a detector and have a foray. The report was rockfalls both ways, about 200 m downstream and 50 m upstream. A day full of promise, with 341 letting us in on another secret.

On this trip I also took my altimeter along for the ride. Using the entrance as a reference the Dinosaurs Foot stream was placed at -180 m, the stream on the opposite side of the 'main drag' was lower at -195 m (we think this is a separate stream) and the new stream was at -205 m.

Trip 2-the aim of the day was to recover the detectors and to do a bit of much needed surveying. We surveyed from the end of the Butt-Jordan survey through the Klingon Way to the new streamway. Checking out the area revealed a flattener which gave access to an upper level, heading downstream. By this time the survey gear had been put away and we were into explore mode. The high level passage continued, there were occasional mud funnels giving access to the stream (one of these allows by-passing the handline slope). Another detector was placed in this stream. Further on we became progressively more and more excited and it was a real effort not to break into a run. We had hit onto something really big. A bit further on things enlarged even more and we had entered a chamber of Xanadu (in Kubla Khan) proportions, or larger (approximately L=200 m, W=40 m, H=30 m). The ceiling was a mass of 4 m long straws and the floor was littered with pieces of straw 0.5-1 m long. In order to be able to roughly place the area on a map we did 5 survey legs (200 m!) before heading out.

On the computer-analysis of the survey data, with some reasonable estimates for the 'gap' it became apparent that the large chamber was very close to being under the Junee Quarry. That certainly explained the mass of broken straws, presumably blasts had set them vibrating and the ends were whiplashed off. The vertical distance between cave and quarry floor was estimated at about 130 m. The altimeter data proved to be very accurate (< 3% different).

From the dye tracing-we had found the water from both Rift Cave and Niagara Pot. But where oh where is the Master Drain?

Jeff Butt

[Eds. note. These two trips were the first of about seven involved in exploration of the "Enterprise" extension. More information will follow in future editions. And of course there's a lot of information to come about the "Into the Dinosaur" extension found this year, see the article summarising these finds in this issue.]

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Halfway Hole (IB136): the Saga of a new vertical route into Exit Cave

The entrance to Halfway hole was discovered in November 1991 and is located at about 250 m above sea level on the western slopes of Marble Hill. The exploration of this largely vertical system proceeded in two distinct stages. Stage 1 commenced in early 1992 and ceased at 'Pikers Passage' (-103 m), with the cave being left rigged. Stage 2, which was primarily for recovering a huge stock of club gear commenced in May 1993. During this stage the connection into Exit Cave was established. This article gives a brief chronology of this exploration. The survey is presented on two sheets (a Plan and a Developed Longitudinal Section).

Stage 1. On an exploratory trip to Great Expectation (IB129) to push a promising lead, with the hope of discovering a new entrance into the Exit system, Jeff Watson, Russell Fulton and myself set out on a kind November day. Despite not reaching Great Expectation, we did discover a cave which eventually led into Exit Cave.

Leaving Baader-Meinhof (IB113) behind, we contoured around to the western side of Marble hill, sticking to the contact. Several small holes and tantalising cracks were found and explored, but all proved to be just teasers. Upon reaching the head of a small gully (the one in which Jeff W. swore Great Expectation was located) we barrelled on down, only to stumble across an unfamiliar looking doline.

Exploring first the obvious lead in the centre of the doline, hopes were dashed as it ended in a mud choke. Several other surrounding leads were noted and given cursory attention. Convinced that the doline must yield something of significance, a ladder was thrown down an 8 m pitch and I descended. A 3 m mud bank was ascended to reveal the top of a windy pitch. The traditional ritual of rock tossing was commenced to try and estimate the depth of the black hole. The first couple of projectiles came to rest all too quickly, and hopes for a big find plummeted. But when the third 'depth sounder' kept going, we knew we'd hit the jackpot. The pitch was estimated at 80+ m, what a find! (With the use of slightly more sophisticated measuring devices it transpired that the original calculations, and hence the subsequent stories were a bit on the optimistic side! 59 m being the reality.)

The cave was duly dubbed 'Halfway Hole' in commemoration of the end of an era, with the recent departure of Russell and Jeff W. from the infamous 'Halfway House'. The name, coincidentally happened to fit the cave's location, halfway around Marble Hill or halfway to hell (if you happened to dislike scrub bashing).

Subsequent return trips were fairly liberally spaced apart, largely due to the two hour slog necessary to reach the cave. Nevertheless, Russell and Jeff W. returned a month later to tape a route from the Moonlight Ridge track and to bolt the top of the big pitch. Russell's next visit was with Andrew McNeill (who had obviously been given a 'papal dispensation' and allowed to visit Halfway Hole). After re-routing much of the pink flagged route, they rigged the 'big pitch'. Russell began descending the 25 m rope only to find it did not reach the anticipated rebelay ledge. On the way out they explored a horizontal cave (IB137) in the same doline.

On the last day of 1991 Russell, Philip Jackson and myself returned to Halfway Hole armed with more rope and the bolt kit. Philip Morris descended 20 m, placed two bolts and rigged a very fine, if airy, "Y" rebelay. No further progress was made until the next visit when Philip, Dicky Vincent and myself re-rigged the first pitch and reached the bottom. Much to our delight we found a small horizontal

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Half-way Hole (IB136)

Relocatable Stations
 a IB136 tag
 b IB137 tag
 c right hand bolt
 d bolt, right hand wall
 e bolt, right hand wall
 f labelled rock cairn

Plan

Drafted by Jeff Butt, June 1993
 Surveyed by Jeff Butt & Dave Rasch, May 1993
 Grade 54 MAP 7IB136.SCS108
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joins the Western
 Passage of Exit Cave

Easy
 Exit

44p

Deriggers
 Reward 9p

Pikers
 passage

too tight

Zest
 7p

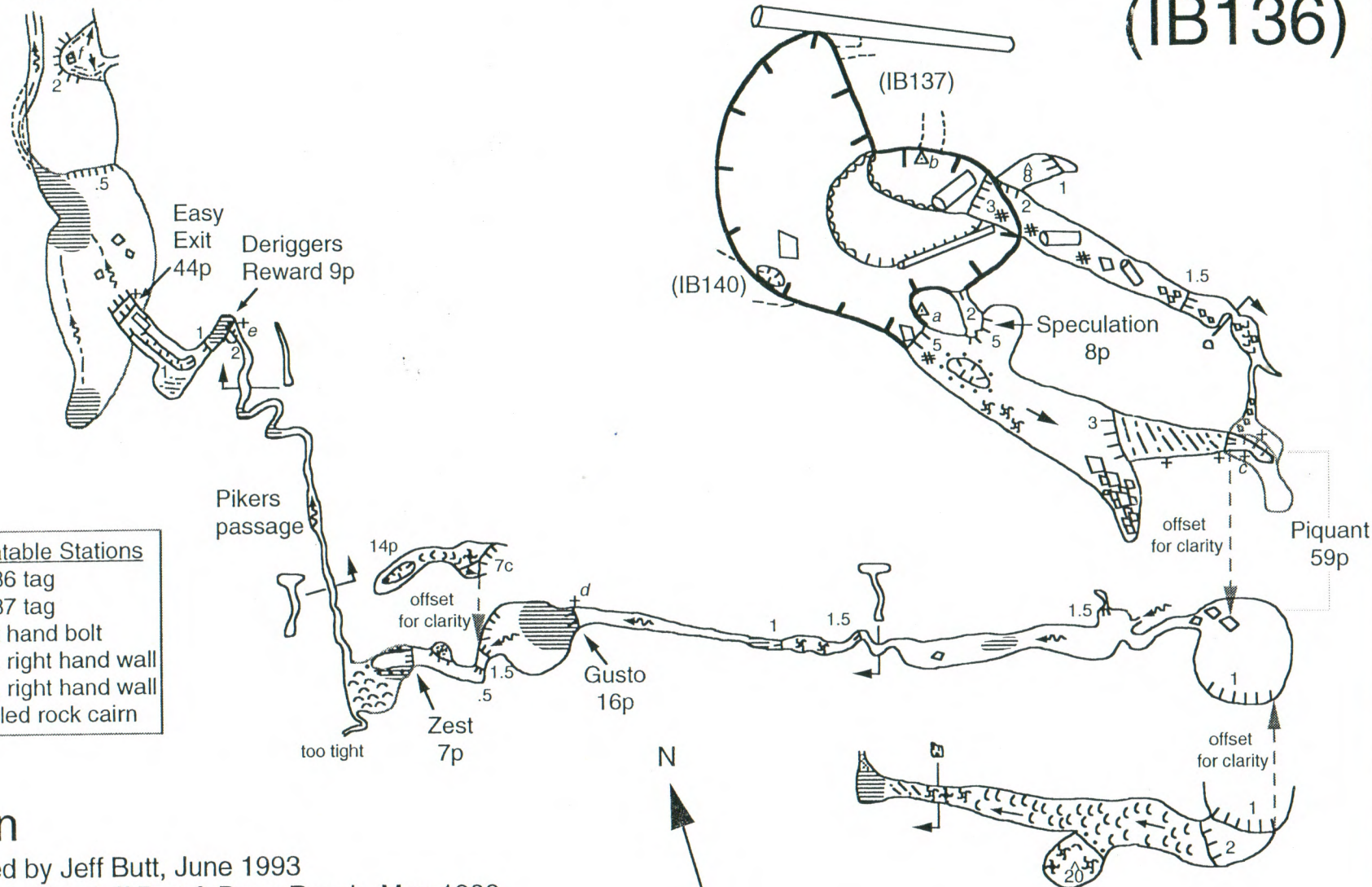
Gusto
 16p

Speculation
 8p

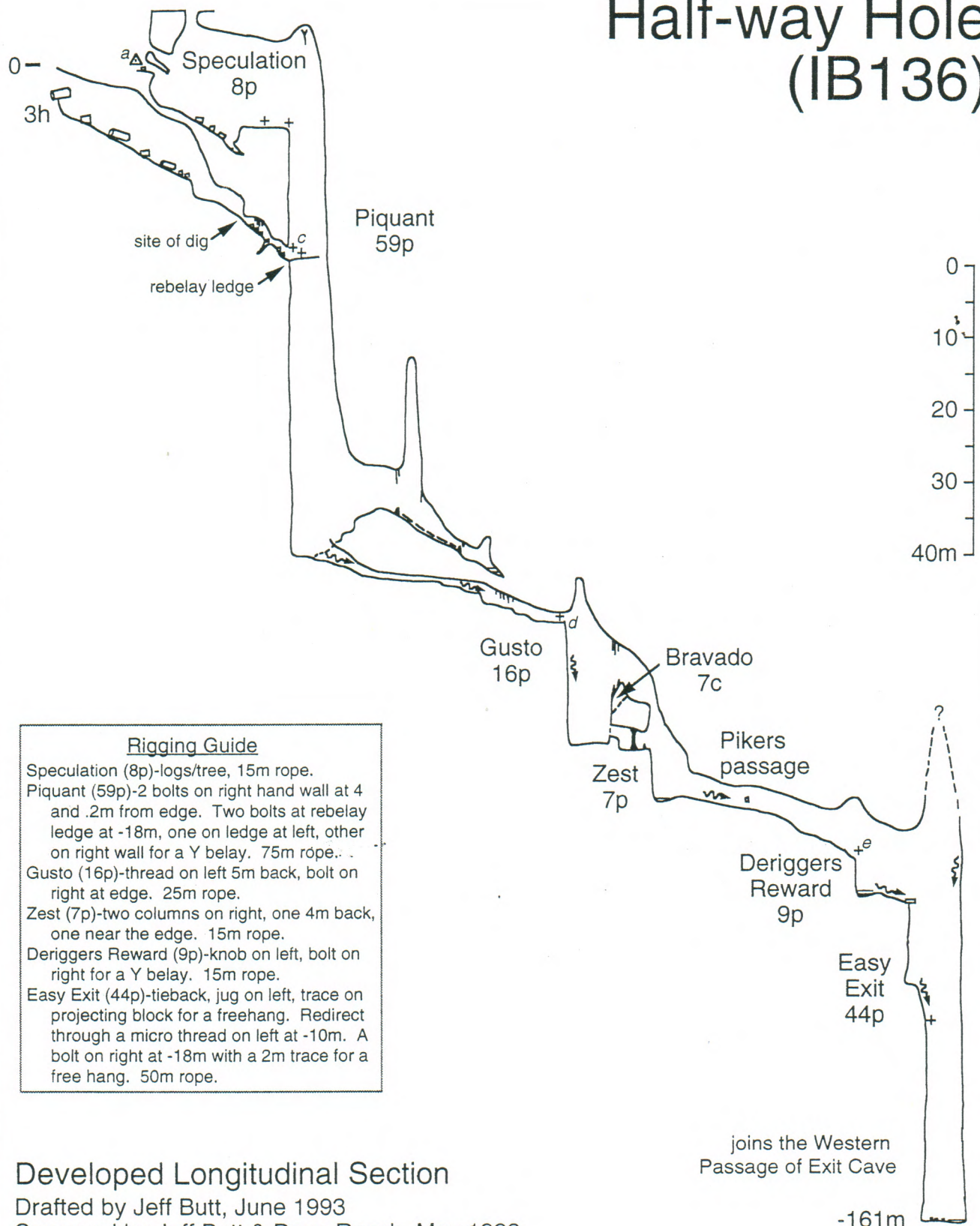
Piquant
 59p

0 5 10 15 20m

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Half-way Hole (IB136)



Rigging Guide

Speculation (8p)-logs/tree, 15m rope.
 Piquant (59p)-2 bolts on right hand wall at 4 and .2m from edge. Two bolts at rebelay ledge at -18m, one on ledge at left, other on right wall for a Y belay. 75m rope.
 Gusto (16p)-thread on left 5m back, bolt on right at edge. 25m rope.
 Zest (7p)-two columns on right, one 4m back, one near the edge. 15m rope.
 Deriggers Reward (9p)-knob on left, bolt on right for a Y belay. 15m rope.
 Easy Exit (44p)-tieback, jug on left, trace on projecting block for a freehang. Redirect through a micro thread on left at -10m. A bolt on right at -18m with a 2m trace for a free hang. 50m rope.

Developed Longitudinal Section

Drafted by Jeff Butt, June 1993

Surveyed by Jeff Butt & Dave Rasch, May 1993

Grade 54 MAP 7IB136.SCS109

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passage with a howling draught continuing on to the top of another pitch, which was also bolted in preparation for the next push.

Further progress was made on the following trip when Dicky, Jeff W. and myself descended the third pitch (16 m) and a fourth (7 m), expecting to arrive at the top of the final drop into Exit at any moment! But it wasn't to be. The beckoning breeze disappeared and the cave narrowed right up into a tight, wet squeeze.

Bruce Morley

The big **languish** set in with the arrival of winter, and continued through the spring,....and the summer,....and the following autumn - it might have continued for ever! In recent history the slackest that SCS had been was with the exploration of Baader-Meinhof Pot (IB113), which was left rigged for 6 months. I guess records are made to be broken and IB136 definitely achieved this - and by a rather large margin (rigged for 16 months!). I was the keen (read as 'silly') bunny who instigated the derig on IB113 and again found myself instigating another long overdue derig trip.

Stage 2. In May 1993, Dave Rasch and myself headed in to survey and derig the cave. On the way in we replaced all the tapes and hardware. The multi-grips had a good workout on the calcified (some looked more like formation, with quite spectacular crystal growths up to 5 mm thick) and very pitted alloy krabs. A pity we didn't bring in fresh ropes too, as those in the cave were extraordinarily greasy. As we descended there was an encouraging breeze, but this disappeared as we approached the known end (Pikers Passage). Dave, being a caver of slim design, owning a (then) totally waterproof trogsuit and having an insatiable curiosity gave the tight and wet passage a push. With surprisingly little effort he made it through a series of fairly entertaining low serpentine bends and reached the head of a new short pitch (about 10 m). After some beckoning (and effort) I too was peering down into new territory and felt the pull of the unknown. The trip out with a large load of manky rope (close to 170 m for only 110 m of cave) and throw-away hardware (glad it wasn't mine) was a chore. The walk out was somewhat less painful as Andrew McNeill and Daniel Muskee (who'd been surface trogging and had found one promising hole; see the article on IB162 in this issue) helped porter the gear home.

Two weeks later Dave and myself found ourselves returning to re-rig the cave. A bolt was placed on the new pitch (9 m, Deriggers Reward) and this led straight to a much larger pitch which joined into the side of a huge aven. We were hoping it wasn't Exit (since it would have been nice to discover a large new system) but didn't expect it to be anything else. With insufficient rope to get beyond halfway down we decided to dangle the survey reel (which fell off the end!) to measure the extra rope needed. The trip out without any gear was very pleasant, it's easy to see why derig trips are put off.

The vertical relief obtained from a 'floating' surface survey around the western side of Marble Hill to Halfway Hole (carried out by Andrew and an assistant) was 'fitted' (variable magnification photocopiers are indispensable devices) to the topographic contours and indicated that we had hit the large (60 m plus) aven midway along the Western Passage of Exit (see the figure on page 18 of this Caver). [Whilst looking through my file on Exit, I came across a 'hit list of avens that should be surface trogged sometime' which I produced in 1988. It was interesting to see that the 60 m plus aven was number one on my list. It might be wise to keep this list handy for the future!] I descended the final pitch on a return

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trip the following weekend (5/6/93) and confirmed we had joined Exit where we thought. Dave was following with the bolting kit, but due to a case of 'bolters arm' and the casing (with rock attached) disappearing down the pitch as the cone was hit home, we found ourselves enjoying the pleasure that comes from those rare through trips where the cave is already rigged and there is nothing to carry out.

A fortnight later Luke Van Zino, Sarah Boyle, Dave and myself returned for the final derig. The final pitch (44 m, Easy Exit) was bolted (better rock this time) making an ascent safe. Sarah headed out with the welcoming party at the bottom. Luke was indecisive, but Dave and I were glad he decided to help derig. I'm not so sure Luke thought his decision was a good one when he was temporally entrapped by his pack haul cord in the bendy bits of Pikers passage. That day the wind in the cave was howling, in fact it was the strongest cave wind I've ever experienced. The short stals (about 30 cm long) at the top of the 16 m pitch (Gusto, maybe that should be Gusty) were visibly vibrating and the surf was up on the pools in the streamway. We emerged to encounter some particularly vigorous weather with tree-downing winds and frequent graupel showers. The walk out that night was arduous and we were glad the track was (excessively) well taped, as a repeat of an earlier trip where we misplaced the track would have been pretty interesting.

Stage 2a. Early this year the checking out of leads in the Halfway Hole doline was completed. Greg Jordan and Dave dug (a MG tyre lever is a useful device) through a choke in the large descending rift (adjacent to the normal route in) and found an alternative way to reach the rebelay ledge on the main pitch (Piquant). However, the final couple of meters of this route aren't very user friendly. Andrew and myself surveyed IB140 (included in this 'Caver') and completed the survey of IB137.

The survey: The two accompanying maps (Plan and Developed Longitudinal Section) were drafted using MacDraw II on an Apple Macintosh. The procedure for drafting this way is worthy of an article in itself, but not here and now. Suffice it to say, that this method allows the production of high quality and versatile maps in a very time efficient and ink-hassle free manner. A rigging guide and details of several easily relocated stations are also included. Halfway Hole joins Exit at -161 m, the survey length is 312 m and the total length (after allowance for sketched minor side passages) is approximately 345 m. It is interesting to note that 'Easy Exit' actually pops into the side of the 'Grandfather' aven and that water comes down from above, so presumably there's still more to be found in the area. We're still looking! [SCS have been surveying the Western Passage(s) of Exit and surface work in the region continues. There's a little more on these subjects in this 'Caver'.]

Jeff Butt

Caving at Frenchmans Cap

Discovery

During the Christmas holiday of 1990 Jacko and I decided to visit Frenchman's Cap with the aim of climbing Clytemnaestra, we ended up spending 2 days at Lake Tahune waiting for the weather to clear, it never did, but during one of Jacko's wanderings he found 2 cave entrances. I wasn't convinced initially but, after visiting the entrances on the way home, we decided that they were worth checking out on a

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return visit. Despite very ordinary weather we returned during Easter 1991 and spent an afternoon looking at these holes.

Caves

The two cave entrances, provisionally numbered FC-1 and 2, are at the base of an overhanging cliff of brown-yellow weathering dolomite approx. 100 m east of the Lake Tahune hut at AMG co-ordinates 041198.

Plans and long sections of the two caves (on the accompanying maps) show they are probably connected by a small probably intermittently flowing stream. The lower entrance (FC-1) required a ladder for the 3 m entrance drop which led to a low chamber with some formation and a large collection of cave crickets. Bones of a large marsupial were found at the start of a sand and mud floored passage that was followed for a few metres before it became tight and the not so intrepid explorer piked! (his partner had conveniently forgotten his light and remained on the surface having a smoke!).

The entrance to FC-2 is a muddy flattener leading to a chamber with 2 small streams, one following a narrow passage that is choked by talus after 8 m. A tight downward lead could be seen but needed digging. This cave is also populated by numerous crickets and has several straws in a tight lead at its southern end.

Geology

The geology of the Frenchman's Cap region has been described by Spry (1963) and Duncan (1974) and is summarised in figure 1. Two main rock units are described; the "Mary Group" quartzites, forming the ridges and peaks, which structurally overly phyllites and dolomitic schists of the "Scotchfire Group". Duncan (1974) reports that the Scotchfire group dolomitic schist is best developed between Lake Tahune and Artichoke Valley with phyllites predominant in the Barron Pass area. Duncan (1974) also remarks on occurrence of dolomite rich sequences near Jetty Lake and Lake Sophie, while Peterson (1960, 1966) records dolomite near Philips lead, and around lakes Marilyn and Whitham.

The dolomites of the Scotchfire Group are Precambrian in age but differ from the cavernous dolomites of Mt. Weld and Mt. Anne in that they appear to be more strongly folded, deformed, and metamorphosed, contain more insoluble material, and are interbedded on a relatively small scale with micaceous phyllites. On a regional scale the Scotchfire Group is overlain by the less deformed and metamorphosed "younger Precambrian" Jane Dolomite (of Spry, 1963), a probable correlate of the Mt. Anne dolomites.

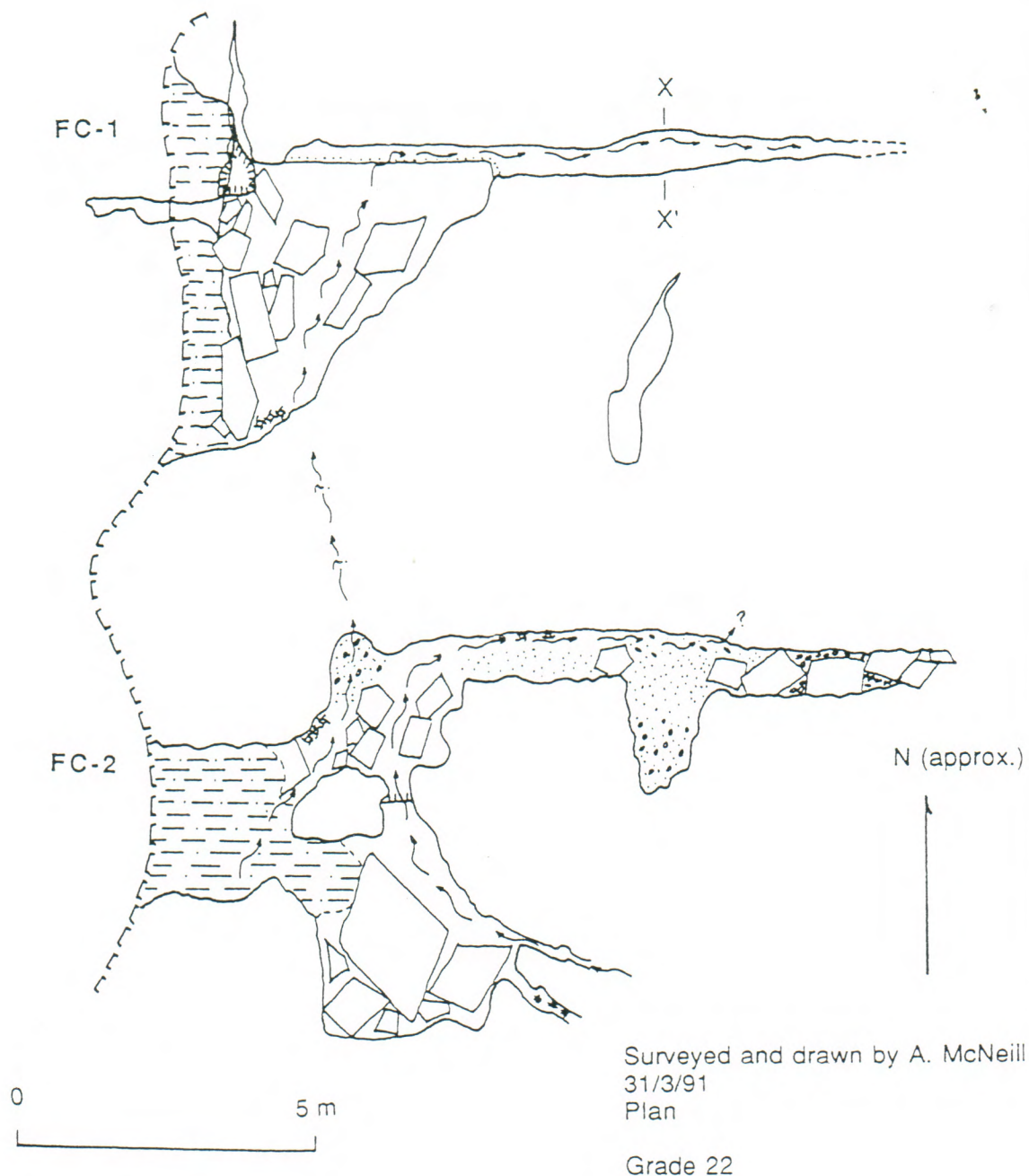
Other karst features and potential

The only other published description of caves from this area is that of Peterson (1960), who notes the occurrence of sinkholes and an "immature" cave near Philips Lead

Relief of the outcropping Scotchfire Group is large (approx 640 m) however, the impure nature of the dolomite and its interleaving with insoluble phyllites probably reduces the depth/length potential of any caves in the area. The lower valleys are also heavily vegetated and very steep, making access for exploration difficult. Peterson (1960) considers that many karst features may have been destroyed by selective glacial erosion. Artichoke Valley, and the cirque lakes (Whitham, Tahune, and Marilyn) are areas where this process is interpreted to have occurred.

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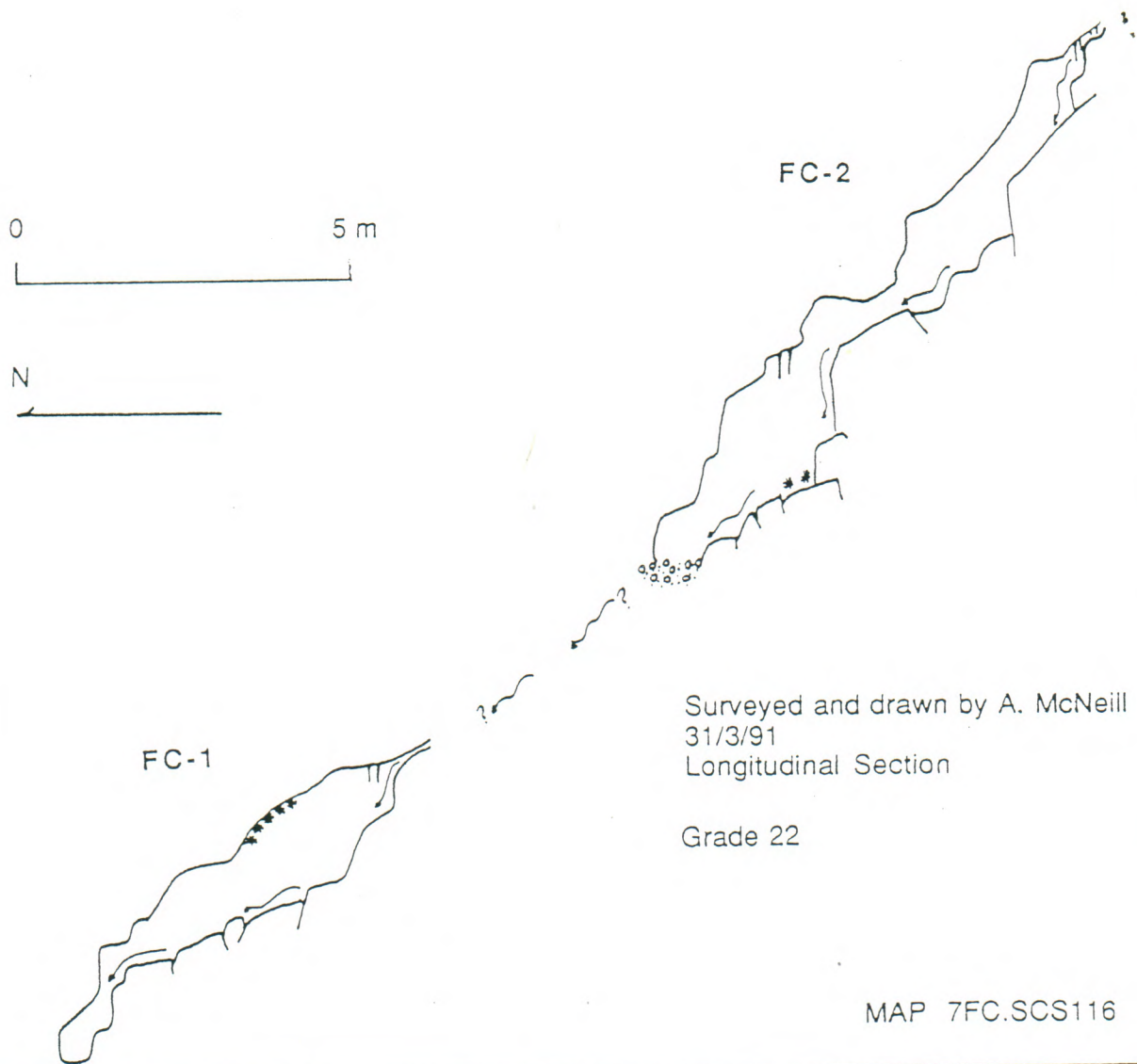
LAKE TAHUNE CAVES, FRENCHMANS CAP NATIONAL PARK



Conclusions

We think that there is potential in the Artichoke valley-Lake Tahune area and around Philips Lead but, the walk in, the weather and scrub off the beaten track all mean its a case of "how keen are you??"

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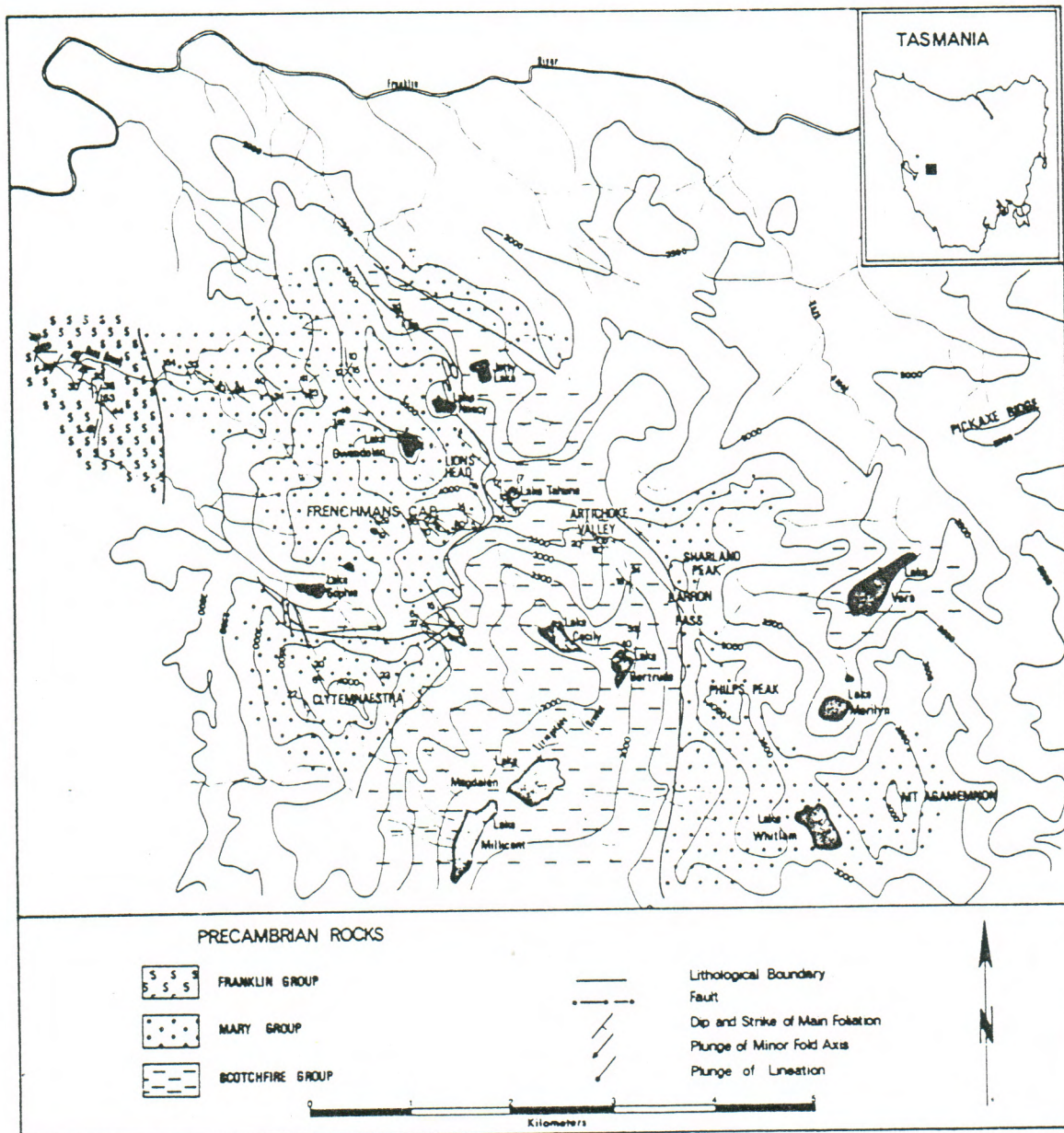


Figure 1. Geological sketch map of an area near Frenchmans Cap (from Duncan, 1974)

References

- Duncan, D. McP., 1974. Reconnaissance geology of the Frenchmans Cap National Park. Pap. Proc. Roy. Soc. Tasm. 107: 191-195.
- Peterson, J.A., 1960. Glacial geomorphology of the Frenchmans Cap area. Unpub. B.Sc. (Hons) thesis, University of Tasmania, Hobart, Tasmania.
- Peterson, J.A., 1966. Glaciation of the Frenchmans Cap National Park. Pap. Proc. Roy. Soc. Tasm. 100:117-129.
- Spry, A. H., 1963. Precambrian rocks of Tasmania part 5, petrology and structure of the Frenchman's Cap area. Pap. Proc. Roy. Soc. Tasm. 97:105-127.

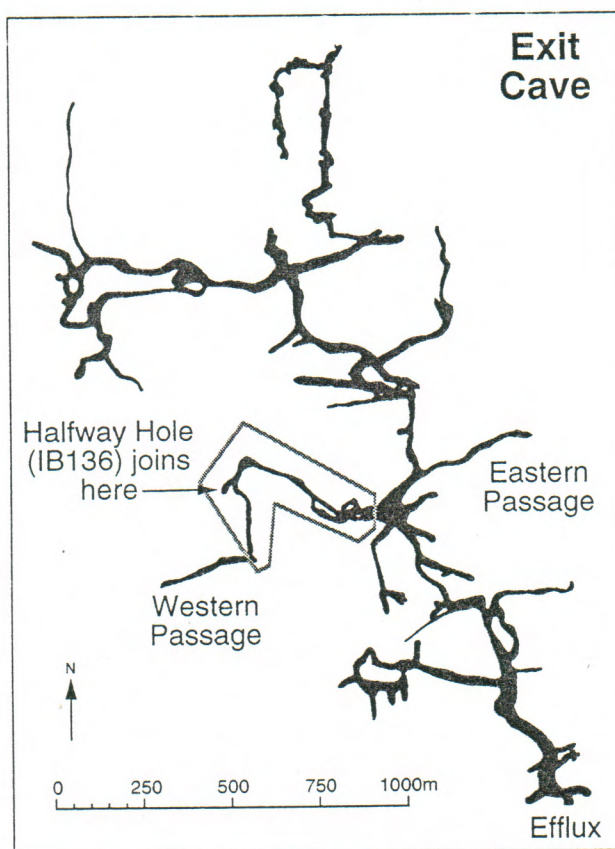
Andrew McNeill

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Surveying by SCS in the Western Passages of Exit Cave: Our progress and some conjecture on the final length of Exit.

SCS has made considerable progress with the surveying of the Western Passage of Exit Cave as part of the ASF Exit Cave Resurvey Project. Work in the 'boxed' region (shown in the figure below) is about 95% complete and has yielded a surveyed length of 2.6 km.

The 'boxed' region represents approximately 7.8% (determined by the highly technical process of 'square counting', using a grid of 392 squares laid over the plan of Exit) of the cave. If the amount of side-passages in this region is typical of Exit as a whole, then an estimate of the total length can be made as 2.6 km by $100/7.8$ by $100/95$ which gives a figure of 35 km. I believe that approximately 2.4 km of passage have been surveyed in the Eastern Passage and that this work is about 99% complete. Doing a similar calculation based on the completed work in both the Western and Eastern Passage (5.0 km), assuming the work is 97% complete and that these two regions represent 10.9% of Exit gives an estimated length of 47 km.



Admittedly this sort of calculation is pretty rough, but it does suggest that Exit is going to be substantially longer than the 20 to 23 km figures that have been quoted in the past. I am confident it will once again be the longest cave in Australia.

Jeff Butt

Three-forty-one (JF341) gets bigger, (and takes in Rift Cave (JF34)?)

Yes it's true, Three-forty-one has grown even more and the linking of Rift Cave is (we hope) imminent? Read on.

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Up until mid to late 1993 the length of Three-forty-one was quoted at about 1200 m. As reported in the September 1993 edition of "SCS Newsy Bits" Jeff Butt and Rolan Eberhard discovered and explored a major extension ("Enterprise"), adding about 1.7 km to the length. [NB. Some trip reports relating to this, are in this issue. Ed.]

In March this year another significant extension ("Into the Dinosaur") was found by Dave Rasch and Jeff Butt. In April, two three-day micro-expeditions and a single daytrip were conducted by Jeff, Dave and Andrew McNeill. Every day was 'Caving Heaven' with large finds. A total of 2.7 km was surveyed over this period. One intermediate trip by Jeff and Dave into Rift Cave added another 200 m length to JF34. This trip into Rift Cave has formed some sound groundwork for the connection of Three-forty-one and Rift Cave. At present we are within 10 m of a connection and have several leads in very windy passages to finalise.

Three-forty-one has a current surveyed length of 5.4 km, however at this time not all leads have been exhausted, nor all made ground surveyed. The final length is expected to be in the 6 to 7 km region. If (when) Rift Cave is connected the total length will be nearer 8 km, or even more! At present, with a length of approximately 6 km Three-forty-one is the third longest (after Exit and Growling Swallet) in the state. A forthcoming issue of the Southern Caver will be devoted to work on Three-forty-one and Rift Cave. Keep an eye out for this one.

Jeff Butt

Exploration in the Halfway Hole (IB136)-Great Expectation Cave (IB129) area.

This article summarises the exploration completed in the IB136-IB129 area following the discovery of Halfway Hole in late 1991 (summarised elsewhere in this issue). Prior to the location of IB136 the TCC had traversed this area in 1987 and located several pots in the vicinity of Great Expectation cave (originally discovered in May 1974) and explored the dry valley below this impressive entrance.

Access is via the pink taped track which leaves the Moonlight flats track on the saddle approx. 50 m past the sandstone rift. The first part of this track is poorly taped to avoid confusing innocent bushwalkers, (and has caused grief to cavers returning in the dark) but is generally well marked as it traverses around the top of the IB129 gully and drops to the Halfway Hole doline. As Dean Morgan has found the taped route stops on the west edge of this doline and a red taped route traverses to the west and is marked as far as Great Expectation Cave. Taped routes also head downhill from the IB40 entrance (to IB162) and from about midway between IB136 and IB129 (to IB141). A survey traverse has been completed from the Moonlight Flats track to IB136 then IB129 and back to the track.

The caves:

IB137: In the IB136 doline. Number tag placed above entrance. A horizontal stream cave of approximately 70 m length and vertical range of 11 m. Branches into several small "streamways" that climb steadily. Glow worms noted. Two main leads not checked; an overhanging climb over talus at the end of the main passage and on the left just inside the entrance a 2 m ladder pitch, that was drafting strongly on our first visit, leads to a deep pool in a narrow rift. Attempts to bridge across this

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and explore the rift further have been unsuccessful, i.e. it's very slippery! [Ed. What a Wuss, why not swim!]

A second entrance approximately 5 m west of and above the tagged entrance leads via a climb or ladder pitch into the pool described above. This may give access to the far end of the rift but still involves a slippery traverse about 3 m above the pool. (survey completed; to be included in the next Southern Caver.)

IB138: Located approximately 40 m uphill and NE from IB136. Marked by orange and Blue flagging. A NE trending rift that was tagged at its western end, low on the right hand side, i.e. on the opposite side to a tree used as a belay. Cave consists of three pitches; 17 m, 10 m, and 7 m with a total depth of approximately 40 m. Many bones were noted.

IB139: "You mean I walked all that way for this" cave. Located approximately 50 m down hill and SE of IB138. There is an obvious large fallen eucalypt on its NW side and the entrance is marked by blue flagging at its SW end. Number tag is located at the SW end of the rift low on the right hand side. A 10 m pitch was descended to find lots of logs choking the hole and a very tight lead that was not pushed. Rather disappointing!

IB140: Two entrances, one being an 11 m shaft in the southern side of the IB136 doline and the second (tagged on R.H.S.), a descending rift just south of the IB136 doline. The total depth is 16 m and the length a modest 30 m. The lower reaches are blocked by cemented rubble, similar to the material in the IB136 entrance chamber. The horizontal separation between IB136 and IB140 is only a few meters (about 6 m difference in the vertical), so presumably they were connected once upon a time. A survey of this cave is shown on the following page.

IB141: Fluted Pot. On the pink taped track below IB136-IB129 route. Tagged on L.H.S. of entrance. A shaft 26 m deep with beautifully fluted walls. At the base of the shaft a single chamber leads through a small hole to an ascending passage with minor formation and animal remains. The passage becomes too tight after 8 m. A daylight hole above the main entrance would probably give a total depth of 30 m.

IB142: Melancholy Cave. About 150 m east of IB129 and approx. 3 m below taped route. Tagged on R.H.S. of entrance. A horizontal slot leads to about 100 m of stream passage that branches into at least two streams. Good formation and some glow worms. vertical range approx. 5 m. The stream appears to reach the surface about 5 m below the tagged entrance.

IB162: A major "Mini Martin" like shaft about 70 m SW of IB136. Tag on a rock face near the SE corner of shaft. See the following article for details.

Several other entrances have been investigated but did not lead to substantial caves, the majority of these were marked by 2 red tapes. There are 2 untagged caves of note:

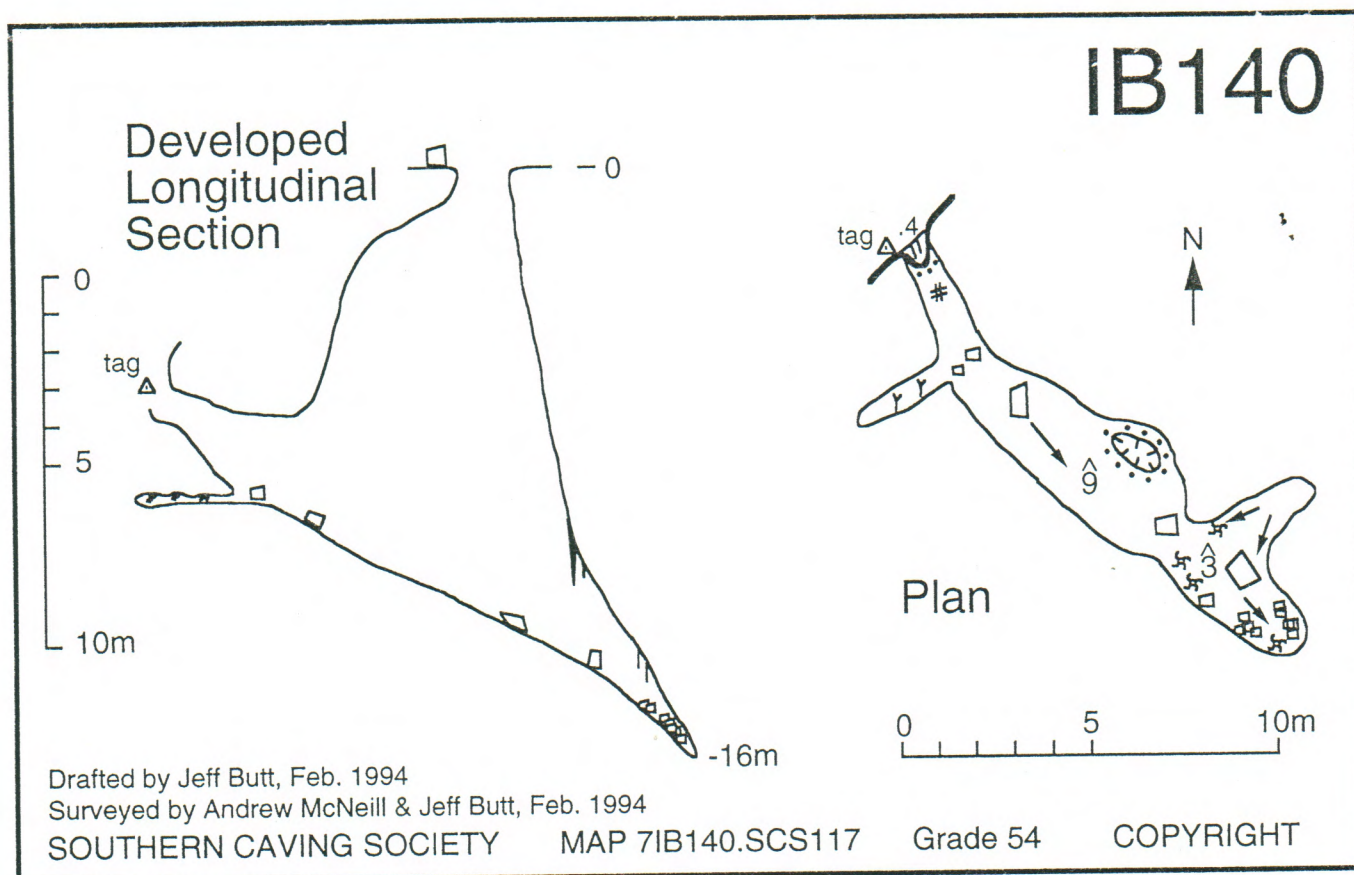
1. "Crisper Pot" was located, by Mark Doyle, and is directly downhill from the start of the IB141 route. It is an approximately 25 m deep rift with quite a few bones at the bottom.

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2. An entrance, marked by a blue tape, above, and on the eastern side of the IB129 gully. Three pitches (15, 14 and 10 m), depth about 45 m. Ends in a mud choke, no prospects. Watch for details in a future Southern Caver.

Exploration is continuing in this area, and there is still potential, as we have surveyed the location of 2 major avens in the western passages of Exit cave that should reach the surface, its just a matter of finding them!.

Andrew McNeill



CHITON (Congenial Highway TO Nowhere) IB162

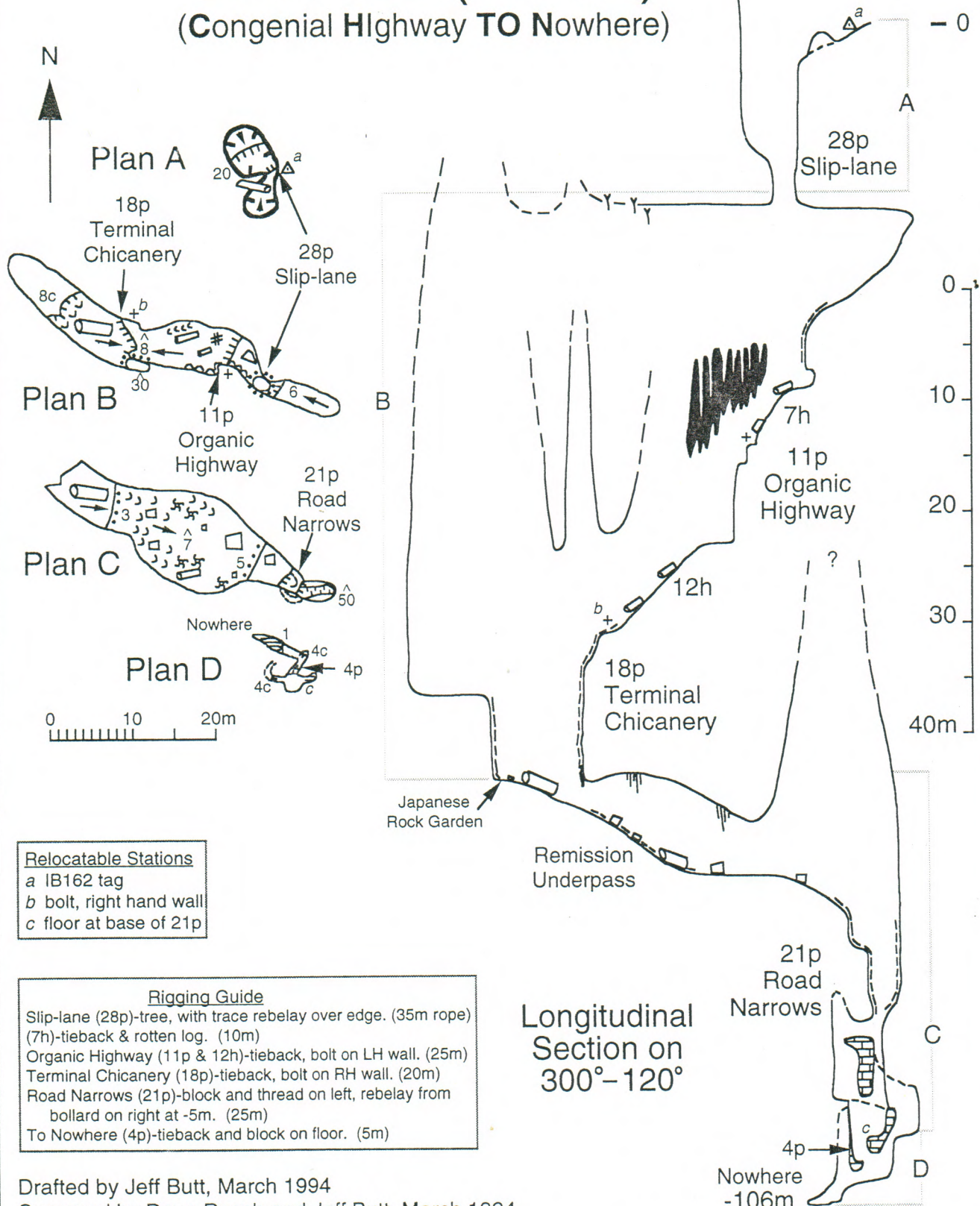
IB162 was discovered in May 1993 by Daniel Muskee and Andrew McNeill whilst surface trogging the western side of Marble Hill and is located about 70 m southwest of Halfway Hole (IB136). A map of the cave is attached.

This cave, locally known as 'Daniel's Hole' was first explored by Greg Jordan and myself early this year. The initial pitch was rigged from a large tree with a trace rebelay about 2 m down from the top which gave a good free hang. Descending the first pitch (about 30 m), we landed on a steep earthy slope which was definitely handline territory. There was nothing to rig off except the end of a stump buried in the humus, so we compromised by threading a handline under this and tying back

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CHITON (IB162)

(Congenial Highway TO Nowhere)



Drafted by Jeff Butt, March 1994

Surveyed by Dave Rasch and Jeff Butt, March 1994

SOUTHERN CAVING SOCIETY MAP 7IB162.SCS118 Grade 54 COPYRIGHT

to the pitch rope. From this point we could see about 50 m down a veritable highway of dirt and small logs. A dodgy slope (7h) was traversed (well, more like skied) to the head of a second pitch (11 m). Overhead on the left hand wall here is a huge sheet of formation that takes on the appearance of a pipe organ. On account of the large amount of organic debris on the floor, the pitch was named 'Organic Highway'. A bolt was placed on the left wall, allowing descent to a second log covered slope (12h). At this point we ran out of rope and could only lean over the undescended pitch (18 m) which looked like a terminal well with a large log at the bottom.

The second trip in is probably best forgotten. During a surface exploration day, I decided to do a quick solo trip in to place a rope on the undescended pitch. I abseiled down the entrance pitch, then just as my gearpack was touching the ground, it detached itself from my cow's tail and I watched in horror as it lumbered off down the pitches into unexplored cave country. Fortunately I had my jumars attached to me that day due to an extremely full caving pack so I re-emerged on the surface rather sheepishly about 5 minutes later. The name 'Slip-lane' seemed appropriate for this pitch. Despite the mishap the day wasn't totally wasted, lots of valuable surface surveying was completed.

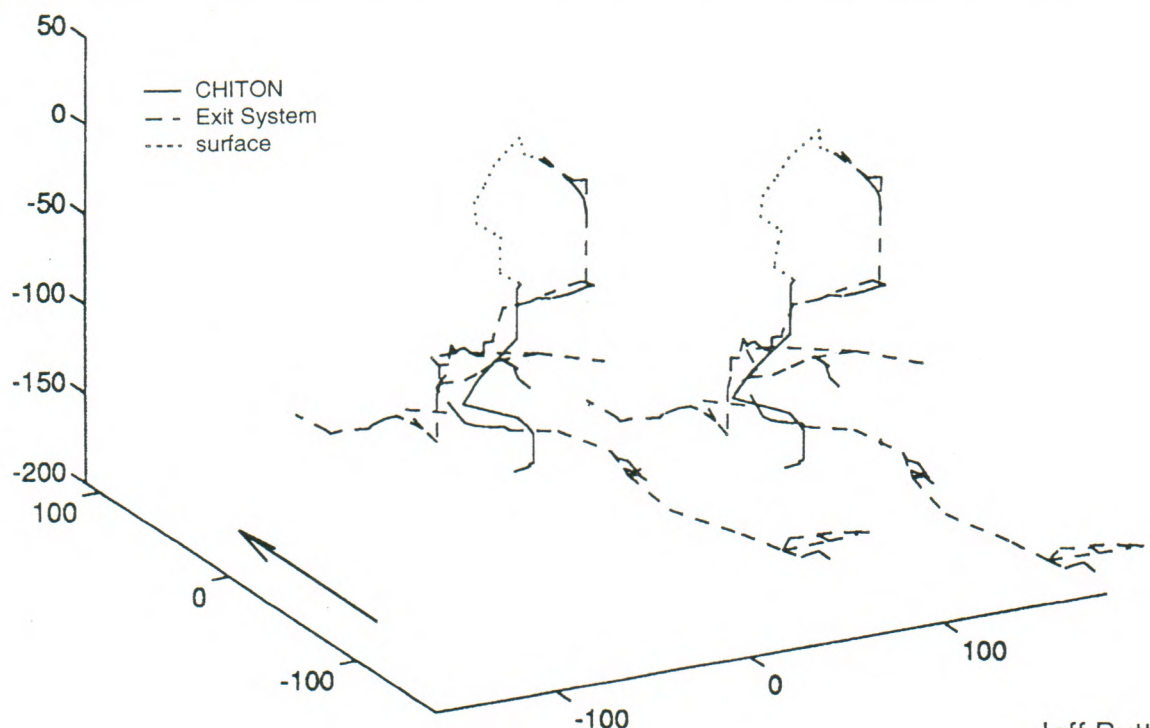
Keen to retrieve my cave pack and to resolve the true state of the terminal-looking well, I returned with a visiting caver from the UK by the name of Leigh. A bolt was placed at the second pitch-head to facilitate the descent. (Leigh was stoked, as UK cavers rarely get to put bolts in, let alone be in unexplored caves). To our surprise, the apparently terminal pitch was undercut with a large dark passage. Because this continuation can't be seen from the top of the pitch, it was named 'Terminal Chicanery'. The continuation ('Remission Underpass') is quite an impressive chamber containing a substantial amount of flowstone and, of course, the ubiquitous large logs. A further pitch could be seen and we were sure we were nearly into Exit cave. With my last bit of rigging gear placed over a bit of formation 3 m down over the lip we descended with high hopes. This pitch was lined with clean flowstone but the dimensions of the pitch narrowed with depth ('Road Narrows'). After a further 4 m pitch it all became a bit of an anti-climax as a small terminal chamber was found. Bones galore, a small pool, but no hope of any further progress. Several side passages off the pitch linked with each other, but headed nowhere, in fact the bottom of the cave was something of a Nowhere. This led to the name CHITON, reflecting the Congenial nature of the cave, the dimensions (a Highway) of the main passage, leading to - you guessed it! - Nowhere.

Dave Rasch

In March, Dave and I returned to survey and derig the cave. The product of this trip is shown on the accompanying map. The depth is 106 m and the survey length is not much longer, at 142 m. The closeness of these figures reflects the limited horizontal development (about 45 m) of the cave. The cave is formed along a line running 300-120 degrees and so the longitudinal section is taken on that plane. The nearby Halfway Hole is formed along the same axis, as is the middle section of the underlying Western Passage of Exit Cave. 'Nowhere' is about 30 m above the floor level of Exit, however doesn't lie above any known portion of Exit. A connection seems unlikely. For interest I have included a stereo pair of the line surveys of CHITON, Halfway Hole and the underlying portions of Exit. Without too much eye-

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strain it is easy to get a three dimensional perspective of the relationship between the caves.



BAADER-MEINHOF POT (IB113): SURVEY & NOTES

The story so far: Its been along time since anyone has visited this pot and mutterings about a return trip have been getting louder, so I have written a little story that goes like this.

On the 9th of November 1986 (yes it was that long ago) Russell Fulton, Dave Green, Lindsay Hicks, Greg Jordan and myself visited the Mini Martin area to check out some small pots located by Arthur Clarke. None of these went so we traversed southwest around Marble Hill looking for entrances. Russell eventually located a drafting hole in an insignificant depression. This hole led to a short awkward climb and a pitch. Greg and Dave descended this pitch into a rift and explored some leads before pushing a horizontal squeeze to emerge at the top of a second pitch. The rest of the party were somewhat tentative about following as boulders were moving near the entrance and threatening to roll down the first pitch. After some stabilising I descended to find Greg and Dave had bolted and descended the second pitch, however with no more rope they returned to report of ascending and descending leads.

The next weekend saw us back at the cave, Dave Green and I, having spent the previous day at Exit Cave, arrived early and rigged and surveyed the cave down to the top of the third pitch before Jeff Butt and Greg Jordan caught up with us (Jacko, Russell, and Jeff Watson had performed an amazing pike, reaching the quarry before deciding to return to the Dover pub - bad weather was their excuse!). We all descended this pitch, accompanied by various bits and pieces from it's very

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loose lip, and followed a narrow downward trending passage to a handline and a very terminal looking chamber with a small trickle of water disappearing into a sub-human hole. We returned to the top of the third pitch, and Dave climbed the ascending lead on which he rigged a handline. The passage opened into a chamber containing several stals and an obvious way on down. Two further handlines led to a 13 m pitch. By this stage my light was packing it in so I waited while this pitch was descended into a chamber with two leads, one headed west and joined up to a rift about 7 metres up the pitch while the other, a disgusting looking hole in the floor, led to a shallow pool the brink of which blocks the way to a flattener with a strong breeze. A geology pick is really needed to enlarge the passage here, and Dave was dragged out by Greg after he became stuck! We gave up at this point and returned to the surface, tired and extremely muddy after twelve hours underground. [Eds. note: The cave remained rigged, without being visited until May 1987]

The survey (using Suuntos and a 50 m fibreglass tape) is shown on the attached section. Depths for the "right way" and "wrong way" are 63 and 68 m respectively. Note that the survey is ASF grade 3 for most of the "right way".

Thinking about it a few years on it wasn't really all that squalid a cave. Also it does have a good lead so maybe it's worth another look (but maybe not by me!).

Rigging notes

16 m; rigged from a dubious chockstone and backed up to a boulder outside the entrance (allow 25 m of rope).

17 m; 2 bolts on R.H. wall immediately above pitch head.

"wrong way":

13 m; rigged using a trace over a flake high on the R.H. wall and a second trace on a lip low on the L.H. wall.

4 m handline; rigged from chockstones in the L.H. wall of passage well back from the drop

"right way":

4 m handline; using a tape on a dubious rounded knob. The same knob was used for the second 4 m handline.

4 m handline;

13 m; Tape around a bollard at edge of pitch, tied back to a trace around a boulder.

Postscript: The track to IB113, from below Mini Martin, was re-taped (orange flagging) by R. Fulton et al. on the same trip they discovered Halfway Hole. It now takes about 15 minutes to get to IB113 from Mini Martin. Also the number tag, originally tied to a branch near the entrance, was finally attached properly by Arthur Clarke, and others, during August '93.

Andrew McNeill

More Rockpile

CLUB LIGHTS AND LIGHT HIRE

As mentioned in the Editorial we have a good supply of spare parts for our lights. Jeff has placed several new lights in the store, making a total of 14. The aim is to keep this number in top condition. Please do the right thing by the club and return lights clean and dry. If there is a problem with any light please record it in the book

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and place the light aside for repair. To aid in keeping in touch with which lights are where, all lights have been numbered (1 to 14), please record which lights you are borrowing.

A WARM welcome to new members Sue and Barry. Sue knows a thing or two about tree dwelling bugs and is a regular to the ANM concession. Barry comes from the VSA to a land where there are some real caves. We wish both a happy time caving with us.

Social Officers, (the important positions) for 1994/5 are Sue Baker and Mark Doyle. Sue (alias Social Sue) and Mark (alias Party Animal) have the perfect nicknames for these positions. The first activity brought to you by the new team is a **Caving Slide Show** to be held at the Wheatsheaf (meeting room, out the back) on **Wednesday June 8**. Your favourite Underground slides are welcome. Liquid refreshments from the Bar. Some nibbles provided. All welcome. Slides start at 9 pm, but come along for a quick meeting (and a good seat) at 8 pm. See you there!

Watch out for a forthcoming **PIZZA NIGHT, ANNUAL DINNER** and other **EVENTS**.

MISPLACED YOUR CLUB CONTACT LIST, well just in case, here's another. By the way ARE YOU FINANCIAL? (An * in front of **YOUR NAME** indicates you are **UNFINANCIAL**.) If not, Bear is ready and willing to take your Annual Subscription.

SCS CONTACT LIST (MAY 1994)

	(home)	(work)
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Barry Russell (1 Battery Sq, Battery Point)	237617	305537
*Bruce Morley (27 Salvator Rd, North Hobart)	342505	333942
*Daniel Muskee (11 Henry St, Sorell)	651036	
Dave Rasch (132 Summerleas Rd, Kingston)	297110	323358
*Dean Morgan	279318	345061
*Greg Jordan (38A Bath St, Battery Point)	237446	202596
*Jean Jackson (38A Bath St, Battery Point)	237446	
Jeff Butt (438 Huon Rd, South Hobart)	238620	325302
*Luke Van Zino (Pullens Road, Woodbridge)	674642	
*Mark Doyle (36 Brinsmead Rd, Mt Nelson)		202788
*Phil Jackson (240A Churchill Av, Sandy Bay)	252063	
*Russell Fulton	296357	207446
Sarah Boyle (3 Curtis Ave, South Hobart)	391630	336321
Sue Baker (2 Pitt St, North Hobart)	313105	338153

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