Special Feature:

A complete list of all the known caves in the Junee-Florentine karst area

Speleo Spiel #318

February – March 2000

Newsletter of the Southern Tasmanian Caverneers

PO Box 416, Sandy Bay 7006
Tasmania, Australia

Cover:

A cluster of splayed straws in the *Stalactite Chamber* in *Wolf Hole* Hastings **Photo by Arthur Clarke**

STC was formed from the *Tasmanian Caverneering Club*, the *Southern Caving Society* and the *Tasmanian Cave and Karst Research Group*. ***STC*** is the modern variant of the Oldest Caving Club in Australia.

The Speleo Spiel

Newsletter of the
Southern Tasmanian Caverneers Incorporated
PO Box 416, Sandy Bay, Tas. 7006
http://www.tased.edu.au/tasonline/scaving/

Issue No. 318
February – March 2000

Editorial

This is an extra-ordinarily large edition of the Spiel. As you can see from the front cover, this issue contains a complete list of all known caves in the Junee-Florentine karst area. The index has been compiled by our Karst Index Officer, Arthur Clarke. Looking through the list of caves, I noticed some very interesting cave names. For example: JF-X120 *Horrible Accident Cave.* Does anyone know the history of this cave? Drop me a line if you can help, I will publish the answer in the next issue.

Several keen and thin cavers have been exploring *Splash Pot.* Read all about their exciting developments and details of their chest sizes! Turn to page 3 for the full story!

From last issue: There seems to be little interest in Spiel recipients receiving electronic versions of the mag. It looks like paper still rules, perhaps we can revisit this at a later stage.

Thank you Jeff Butt for the distribution of this issue. And special thanks to Arthur Clarke and Robyn Claire for proof reading the final draft of this issue.

Don't miss CAVEX 2000!

Jamie Allison
Editor
jamie.allison@dspl.com.au

Club Meetings

General business meetings are held on the first Wednesday of each month (7:30pm for a 8:00pm start). Social gatherings and special events are held on the third Wednesday of each Month starting at 8:00pm. Meetings are convened at the Shipwright Arms Hotel in the area just inside the front door (near the fireplace). All are welcome and encouraged to attend.

Wednesday, April 5	General Business Meeting
Wednesday, April 19	Social Gathering and Slide Show
Wednesday, May 3	General Business Meeting
Wednesday, May 18	Social Gathering

Upcoming Trips and Events

Please contact the trip organiser for more detailed information.

Fri-April 7th	Track cutting to Mesa Creek in North Lune karst
Wed-April 12th	Fruehauf Quarry Stretcher Hauling session. Come and learn how to do it properly. This will be an excellent opportunity to '"brush-up" prior to CAVEX.
Sat/Sun-April 15/16	Search and Rescue Exercise (CAVEX 2000), being held at Ida Bay. Details on the next page
Wed-April 19th	Peter Hollings is going to show some slides of caving in Mexico.
Easter	Kubla Khan / Mole Creek trip - Stephen Bunton
Sun-May 28th	Annual Rope Testing Workshop and Devonshire Tea at the Gear Store. Samples (needs 2.5 m, soaked in water overnight) of private rope (and/or your ancient! cowstail) are welcome. The first string gets cut at 1 p.m.

Club Membership

A warm welcome to another potential member Nathan Timms and to new member Won Seok "Sonny" Lee. The club now has 62 members and 6 prospective members.

From the Gear Store

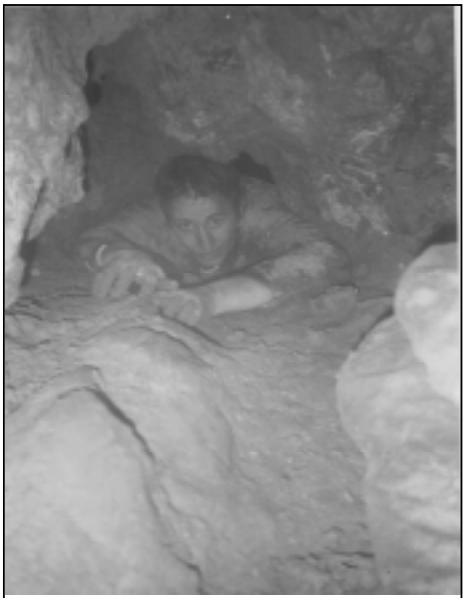
The rope rack is currently looking rather depleted (especially of 9 mm rope), with both Niggly and Splash Pot rigged. We no longer have any new rope left in storage, and soon it will be time to purchase some more rope.....perhaps before the unknown effects of the GST take over?

We now have a new length of dynamic rope for cowstails etc., so if yours is worn or old, then it's probably time to change it!

The software in the Garmin GPS has been updated (thanks Dave) to Version 4.55. Can't see a lot of changes from the old software, other than it is now multi-lingual and has a few extra map grids installed in it.

Ooops…

In the last edition of the Spiel (#317), the photographs inside the front cover from the STC annual dinner were incorrectly credited. All four photographs were taken by Sarah Boyle.



Mick Howard in a newly dug out section of Wolf Hole..exciting times were had getting through this section! ***Photo by Tim Anderson***

CAVEX 2000 - Ida Bay - April 15/16

The next Caving Search and Rescue Exercise.....CAVEX 2000.....is to be held over the weekend of April 15/16 at Ida Bay. On Saturday April 15th, a 'seriously injured' person will be rescued from a considerable distance underground. The patient will need to be moved through several small pitches, a couple of squeeze points and narrow passages to the surface. There will be plenty to do for all who attend; all levels of experience will be catered for. The exercise will involve stretcher carrying and hauling. Prior to CAVEX there will be a practise evening at Fruehauf Quarry: full details below. On Sunday April 16th a small bolting workshop will be conducted.

PRACTISE STRETCHER HAULING - Wednesday April 12th, from 6 p.m.
at Fruehauf Quarry, Tara St., South Hobart.

- This will be a practise session to let everyone get their hands on (or have a ride in!!) a stretcher and put a hauling system together. It will be advantageous to iron out any potential problems prior to CAVEX 2000. Since daylight saving has now ended, best bring your caving lamp!

CAVEX 2000 – Saturday / Sunday April 15/16, at Ida Bay.

- Transport (i.e. a Bus) will be available from Police Search and Rescue (SAR), please report to SAR Headquarters 76 Federal St Hobart at 0800 on the Saturday (parking at rear via Strahan St). If travelling separately, please assemble at the gate to the former Benders Quarry at 10 a.m.
- On Saturday the main event will be held, extracting an injured person from underground. The exercise will be realistic and hopefully the injured person will be successfully removed from the cave by early on Saturday evening. An exercise cut-off time will be used to prevent the exercise carrying on too long. A debrief will follow.
- Accommodation will be at the Southport Community Hall. There is an accommodation fee of $5 per head. BBQ and cooking facilities will be available. Bring your own sleeping equipment. There is plenty of floor space inside, or if you prefer you can erect a tent outside. BYO food.
- On the Sunday an above-ground workshop will be held covering: - bolting techniques for Rescues. During CAVEX 2000 no bolts will be placed underground, but for a real situation, it is likely that bolts may need to be placed, so it is important that people know what equipment is available and how to use it properly. There will be opportunity for people to have hands on experience. A practise haul using these bolts will be made. In addition, if any problems arose during the extraction on Saturday, another practise session can be held to solve these. It is expected that we will finish early afternoon on Sunday.

If you haven't yet, then please RSVP to Jeff Butt (phone **6223 8620**, email **jeffbutt@netspace.net.au**) if you intend to come/intend to avail yourself of transport in the Police Bus so we can have an accurate idea of who and numbers coming. Thanks.

Enter the Splash Pot! 27/2/2000

Party: Dave Rasch, Jeff Butt, and Jol Desmarchelier by Jol Desmarchelier

The aim of this trip was to survey from the top of the second pitch series into the section that was explored in the previous trip (5/2/2000) and if possible to try to push the cave even further. Jeff had not yet made it through the "Close to the Bone" squeeze series as time and nervous energy ran out at about the half-way mark on the first survey trip (Speleo-Spiel #317 p5). Dave and Jol are close to becoming "veterans" of the squeeze series and were confident of getting Jeff through, although he was expressing some doubt about the rest of the squeeze series given the survey dimensions (i.e. several passage widths of 20cm!) recorded in the survey sheets from the previous trip. In an attempt to 'boost morale' and to discover if he was going to be the subject of the next Mission Impossible movie, Jeff devised a method of measuring chest depth. We each subjected ourselves to the procedure (standing against the wall placing a breadboard square on the chest, and measuring the distance between wall and breadboard) in order to "boost" party confidence. The results; Dave Rasch = 21cm; Jol Desmarchelier = 22cm; Jeff Butt = 25cm only served to increase the apprehension a little. Because of this, it was decided to take along a little insurance.

Arriving at "Jocks Rock" carpark at the start of the KD track, we realised that we had forgotten to bring a rope for the entrance pitch (which we'd derigged last trip). Jeff rummaged around in the car boot and produced a short length of rope that he described as "the Orana's tow rope". We arrived at the entrance of Splash Pot (JF10) around 11 a.m. where we again debated the quality of this piece of rope and eventually rigged the first pitch (~ 7m) with it, without incident. All of the party made a quick entry into the cave with Jeff leading the way, indicating an apparent enthusiasm for tackling the delights of the squeeze series?? Jol had a little fun on the entrance pitch series, but these difficulties were soon overcome. We then entered the tight bit with Dave leading, Jeff in the middle, and Jol bringing up the rear. After approximately an hour of incongruous squirming, numerous pack relays, and a little tapping of the walls we had reached the end of the tight stuff. Jeff was relieved to be through and was confident of getting back without any major problems.

A few minor adjustments were made to the rigging at the top of the second pitch series, then we abseiled down the two pitches and continued our survey along a streamway into the new, dry section of passage, where we stopped for lunch. During this break Dave and Jol explained to Jeff what we had done last time and what lay ahead. It was decided to leave all gear behind and survey until we ran out of time or hit an obstacle that required gear. The surveying task was much quicker and easier with three people. Several side-passages were noted during the survey but we wanted to flesh out the extent of the cave, and so concentrated on following the main horizontal passage through chambers full of delicate straws. As time and distance wore on, the nature of the passages changed to become a slowly descending 4 - 5m diameter phreatic passage, with a draft. Just beyond a number of large chockstones, we came to a 7m shaft. No attempt was made to descend this as we had left all the ropes and gear further back in the cave. A discussion on the best way to rig this was held and since there were no natural anchors nearby it was decided that we'd need the bolt kit. On the way back we tidied up by surveying in some side-passages. Since it was 3 hours to the surface and turn-around time we headed out, satisfied that we had a good day of exploring and surveying new cave.

The horizontal passages below the "Close to the Bone" squeeze series consist mainly of a mud/dirt floor with a substantial numbers of straws hanging down, some reaching 4m in length. Much care has been taken by us to avoid breaking or disturbing the decoration in and around the horizontal passages. There are a number of places where the gap between straws is little more than body-width, and packs must be passed carefully through. So if you decide to visit this cave, please take care and try to leave these intact, as we have done. ♦♦♦

Splash Pot - Discovery of a 'Big Pitch': 11/3/2000

Party: Dave Rasch, Jol Desmarchelier, and Jeff Butt. By Jeff Butt

Two weeks after our previous trip we were back, it takes about that long to forget most of the pain and mend the rips in the trog-suits! Anyway, down we went and soon enough we were negotiating "Close to the Bone" again, which is a big 'Pain in the Arse'; as an entrance series it is a bit of a physical and psychological endurance test.

With the normal care passing all the 'exposed' straws in the new extension we were back at our limits of exploration, the top of the small (8m) "Tend'n Down" pitch. Dave placed a bolt and descended for a look around. Meanwhile I placed a second bolt to make a nice "Y" belay.

Jol and I were just getting ready to start surveying the pitch when Dave returned, saying "it doesn't go!", we were momentarily stunned as with the breeze it just 'has to go', then he clarified things "it doesn't go, IT F..... GOES AND GOES!!" Excitement was high, but we were restrained and picked up the surveying from the top of 'Tend'n Down'. As we surveyed our way down a serpentine streamway we emerged through some talus into a larger streamway carrying a small stream.

At the junction we headed downstream for a few long legs to come across the void that Dave had spied, a huge pitch with a small stream plunging over the edge. Some sonic estimation gave a count of 6 seconds. Thinking back to first year physics, $0.5*g*t^2$ gave us an estimate of 180 m; but we know that always over-estimated (it would take the sound of the landing rock about 0.6 seconds to get back to our ears!), but we did have a big pitch indeed, even if we were one second too quick. [In "Vertical", Al Warild gives a formula by Hoffman that suggests that a 6 second pitch is 151m, a 5 second pitch is 108m. We conservatively said, OK, we've got an 80 m plus pitch.]

We looked around for anchor possibilities, there was one tie back 5m up the passage, which was used to investigate a little further. The small waterfall tumbled over the edge; the pitch was undercut to boot, any descent would be a total free hang. We estimated that the "other side" of the 10m wide shaft was about 30m away and it did look like a passage entered from the far side. Down was just blackness! I placed a bolt on the right hand wall to allow me to get safely over the lip. There was one natural anchor possibility right on the lip, but this would put one less than a metre from the waterfall.....so, it would be wet nearly all the way down, not a good option. Back up at the top (Dave and Jol headed off to have a look upstream) I placed a second bolt up high to allow me to safely descend down a few metres so that I could traverse out on the right hand wall. It was quite an exposed position hanging over a huge void on 14m of rope (yes, with a good

knot in the end!). The rock was sound, but very fissured. I found a good ridge and placed a bolt here at a bit of a stretch. I could see that we'd have a free-hang the whole way down. Also I could see some water down below; I thought that the perspective looked very similar to the 90m pitch in Big Tree Pot, so it was either a big pool, or we had "counted too fast" for our sonic estimation.

In the meantime Dave and Jol had returned, they had found (but not surveyed!) ~200m of horizontal passage upstream of where we entered, and had one small pitch lead. It was time to go, but I wanted to place a second bolt for the main anchor (to allow a good Y-belay) so that next trip it would be all set to go. Dave and Jol sat and watched me in my rather exposed position place this bolt (bolt 4 for this pitch, two bolts for the traverse line and two for the main anchor).

We then headed out, emerging after the regulation 10.5 hours. The reflectorised markers Dave installed on the track on the way in were fantastic, and made the walk out with fading lights quite pleasant.

It was quite a good trip; today Splash Pot passed the 1km mark in length and maybe also the 300m mark in depth, depending on what the big pitch turns out to be. I kept thinking that maybe we'd have to nip up to Niggly to borrow the 200m rope, but oh what a pain that would be to get through Close to the Bone. The survey data showed that we were running parallel to Khazad Dum, into an area where there are no known caves; in addition the last bit of passage we surveyed was heading south-west, towards where the main drain should lie. It was hard not to think those words "Master Cave" and there was to be quite a bit of speculation over coming days and nights.

♦♦♦

Splash Pot - Will the "Master" be Revealed?: 18/3/2000

Party: Dave Rasch, Jol Desmarchelier, Andras Galambos, Jeff Butt. By Jeff Butt

We were keen to discover the secrets of what lay below the big pitch found last trip (see trip report for 11/3/00) and so instead of the regulation 2-week break, we were heading back to Splash Pot the next weekend. Quite a bit of speculation and preparation had been conducted in the previous week. First problem was "how much rope to take".....there were very few options, the only long and thin rope left in the store was a 115m piece of 9mm...."but would this be enough?" was the worry. We did have about 40m of short pieces down Splash Pot, so we figured that we should be able to get down but maybe with a knot or two near the bottom.

The other problem was transporting the rope down to the pitch. Moving cave packs through Close to the Bone is a problem when they just contain food, emergency and SRT gear, let alone a big rope. I did have a small narrow pack and by winding (like on the roll) the rope up around a few lays was able to just make it fit as one very dense bundle. Also, Andras was going to come as well, which meant that I could distribute my gear between the three other packs and just have the pack of rope to contend with. Things were working themselves out.

A small 4-rung ladder was constructed to install at the 2m bank of fill so that we could access the "extension" via a straw-friendly route. The only other access route was over a pile of loose rocks/stones with a "bowling alley" of long straws and straw-columns below and dislodged stones had the potential to have a major impact.

So, back to Splash Pot we went. [Incidentally, the same day, Rolan Eberhard, Vera Wong, Greg Tunnack and Mark Wilson were going to be exploring in Niggly Cave; we wondered if our two parties were going to meet underground somewhere in the main-drain. But it was not to be, the Master Cave still remains as elusive as ever!] The day was rather wild, strong winds and about 25mm of rain had fallen overnight. We were very close to postponing the trip due to the rain and wind, but just as we were deciding the cold front passed through Hobart, the sun came out and the wind abated somewhat. En-route to the Junee-Florentine several wattles had fallen over the highway and road-crews were removing them. We had several small trees/branches over the K.D. road too, but managed to move / avoid them (next time anyone heads up it would be useful to take a bow-saw).

Last week Splash Pot was totally dry, but today with the inch of rain overnight, it was back to it's normal winter soaking flow. So, we arrived at "Close to the Bone" rather wet (Jol did have his new trog-suit which was far better than his normal cotton overalls), and then got wetter going through Close to the Bone. But fortunately the lower parts of the cave are much friendlier and drier, although we were concerned about how much water would be going over the big pitch.

We were to soon find out that flows down below were not much different to last trip, although at the top of the big pitch we were sure we could hear a distant rumble. I rigged the traverse line with a short piece of rope and the main drop ("Harrow the Marrow") with the 115m piece, plus with one "shortie" tied onto the end and I had another short piece in reserve. Down I went, hanging like a spider in the middle of a room. The pitch is very spacious to say the least! Ask Jol for an accurate description of the exposure!); the walls all recede fast and you find yourself abseiling down the middle of a ~20m diameter shaft, about 4m from a small and expanding waterfall (you do stay dry all the way down). About half way down the shaft it was quite breezy, but lower down, the breeze was absent. There appears to be a huge passage heading off the opposite wall about half-way down the pitch, so presumably this is where the breeze goes???

I made the bottom on the main rope with about 8m to spare, "Harrow the Marrow" is estimated at 103m (at

present just based on rope length, we need about 80m of dental floss to tie onto our 30m tape to measure it properly) and yelled 'Rope Free' for the others to come on down. A quick look around left me rather disappointed! At the bottom of the pitch in the ~20m diameter shaft a small stream heads out from the shallow plunge pool. After about 30m this becomes a wet grovel that is no go. One other side passage was found, this ascends to nowhere. In the meantime Andras, Jol and Dave came down and we thoroughly explored and surveyed the area.

We headed back up, trying to get a glimpse of the passage heading off halfway up. It is not clear to see with normal caving lights, in addition it is in about the worse spot imaginable, about 60m off the floor and on the other side of the huge shaft, like about 30m across the way. Any sort of aid climbing to reach it would be a monumental undertaking! We hope that once we complete surveying the region we may find a parallel shaft or some other means of access...only time will tell.

So, in essence we've got a ~100m deep, ~20m diameter blind shaft!! One wonders how the hell it formed, presumably lots of water once came in from somewhere higher up, and then exited somewhere; presumably the floor is a big plug, or perhaps the small streamway once was larger and has since collapsed?

Before heading out there was a discussion on whether to take the big rope out. In the end the consensus was that we'd leave it there for the moment, as it would be a big hassle to take it out through Close to the Bone and then to find another big pitch somewhere else that required us to bring it back in. On the way out we got Jol to place a bolt for the short ladder to avoid the "straw bowling alley", but the 4 -rung ladder is a little too short (it will be swapped next trip). In the regulation 10 hours we were back on the surface. Despite attempts by Jol to delay us, we did make Mario's Pizza in New Norfolk at 5 minutes to closing (midnight) and enjoyed a sumptuous feast.... Mario's is a good alternative to The Eagle, which seems to close earlier these days!

Splash Pot is currently estimated at 296m deep (based on a 'big' pitch length of 103m) and at about ~1300m (1120m surveyed, ~200m estimated) in length. Splash Pot has always been a demanding cave, and with a depth of nearly 300m has gained an extra degree of respectability. It is currently the 5th deepest cave, after Cauldron Pot [305m], and ahead of the Khazad-Dum System [285m]. The bases of both Splash Pot and Khazad-Dum are approximately at the same level.

At the time of writing, there are still four undescended pitch leads: two short, dry pitches in the straw-filled horizontal passage ("Tiptoe Passage"?), one wet pitch taking the Close to the Bone water (which we suspect just feeds the stream we met further down), and a dry ramp in the lower chamber (no name yet) leading down 10m to apparent further streamway. Another survey trip should hopefully clear these up.

In Search of Victory Springs

Party: Stephen, Kathryn and Grace Bunton — By Stephen Bunton

It probably wouldn't be significant except for the fact that it's possibly going to disappear in the near future to go off and be made into hubcaps or filler for pharmaceuticals or whatever else they use magnesite for. Nevertheless we took a trip to visit the Crystal Creek area as a "last chance to see" sort of pilgrimage. "You don't know what you've got till it's gone!" and "You'll never, never know, if you never, never go!"

Our family holiday consisted of meeting Kathy in Strahan. She had been rafting the Franklin and along the way she managed to pop her head into a few caves. (There's caves everywhere in Tassy!) Unfortunately after two weeks of superb weather it turned filthy for the few days we had in Strahan. The bonus was that as we fled the west coast we stopped overnight at Cradle Mountain and were treated to a lovely view of it all covered with snow. Normally when the weather is poxy you don't see the mountain at all, the clouds are down and it's pissing bricks. We took the clearing weather as a good omen and headed to West Takona.

The drive out beyond the limits of civilization was just like anywhere in Tasmania, eventually you end up following a forestry road and spot the signs of devastation everywhere although the regrowth does fight hard to hide it again. We stopped at Farquhars Bridge and the retraced our steps to the road that led to Crystal Creek. We parked on the main road and walked the 500m to the karst area that we could see looming on the opposite side of the gully. Eventually we found a place to cross through the fireweed and enter the rainforest.

Someone had used one of my favourite expressions to describe the extent of the caves as "able to be explored with a well activated fist". Indeed the first of these was perfectly cylindrical and about fist sized! When I found another, I realized that they were core drill holes and the track we were following was made by the drill rig. Rehabilitation work at the site presumably consisted of planting seedlings with three short garden stakes around them. This we deduced from the clusters of garden stakes only a few of which remained standing. There were no seedlings left, presumably they were eaten by wallabies and luckily no litter from decomposing plastic tubes.

The Magnesite towers are not as spectacular as I was led to expect but the yellow rock glowing in the bright afternoon light, filtered down through myrtle and manfern was magnificent. It was much prettier than a good day in the Florentine!

The size of the caves had been somewhat understated as fist sized, we found a lovely alcove chimney that we could all stand in. The top was a daylight hole but I resisted the temptation to do a through trip

climbing out – the vegetation on the walls was too nice. We also found KR:11 (Keith River magnesite karst), tagged by the Savage River Caving Club; but it's unenterable. I then bashed (gently) down the gully to find a small resurgence at the base of a cliff. I saw no evidence of the mineral water bottling plant. I also tested the temperature of the water and couldn't decide if it was a thermal spring or not. Victory Springs is one of only four in Tassie, the most familiar one to us all is Hastings Thermal Pool. *[Editors Note: Other sites include Kimberly Springs and another site beside the Lune River, 2-3km south of Hastings]*

By now we had exceeded the concentration span of the youngest member of the party and I'd appreciated the unique beauty of this place, so it was off to visit friends on the North Coast before returning home.

Another check of the map confirmed that I was a few hundred metres from Victory Springs whereas the resurgence I found was in the gully of Crystal Creek that was dry upstream where we crossed it initially on the drill rig track. ♦♦♦

Wolf Hole with a difference: Recent discoveries with CEGSA

Cavers: Arthur Clarke **(STC)**; Linda Deer, David Glowacki and Simon Kendrick **(CEGSA)**. **Onlookers:** Marie Choi and Tracy Colhoun **(CEGSA)**; Robyn Claire **(STC)**.

By Arthur Clarke

Wednesday, January 19th 2000: Wolf Hole (at Hastings) with a difference. While Robyn Claire and Arthur Clarke were checking out the new access track to *King George V Cave* and its new entrance gate, the visiting CEGSA visitors had branched off along the taped track, heading uphill to *Wolf Hole*. After giving the CEGSA cavers a 15-20 minute start to check out the entrance collapse, take photographs and rig the entrance pitch, Robyn and I followed – ascending *Caves Hill* to *Wolf Hole* – walking up from the recently cleared and widened access track to *King George V Cave*. We arrived at *Wolf Hole* to find no CEGSA cavers present – they had become lost in the bush, further up the hill. Now that was different!

En route to *Wolf Hole*, the CEGSA cavers had branched off along another old taped track – probably a route put in by members of the former Southern Caving Society to access one or other of several caves, maybe *Flag Locker* (H-203) or perhaps *Lyons Den* (H-205). Eventually, gathered at *Wolf Hole,* the cameras began clicking. Robyn, Marie and Tracy had opted not to go down; so the four of us who were caving looked at the various entrance pitch options. The tree that used to be used for rigging the free-hanging 40 metre drop on the far side of *Wolf Hole* had fallen over, so we opted for the traditional near side 30-35m pitch, against the fern and moss covered mudstone face. Simon Kendrick rigged the entrance pitch using a "tensionless hitch", - a different method of rigging pitches, where the SRT rope itself is used as the primary anchor. Rather than using a sling or trace with rope knotted into a karabiner, the SRT

Figure 1: "Tensionless Hitch" ***Photo by: Arthur Clarke***

rope is wound tightly round the around the base of the tree, for 4-5 turns and knotted in a manner such that the strain is taken by the tree and rope loops, rather than by the knot *(see Figure 1).* That was the second difference for the day!

From the base of the entrance, I used a digital camera to take photographs, including views of Linda Deer abseiling (on cover of Spiel #317) and a "beetle's eye" view of the more or less square to oblong skyline entrance perimeter to *Wolf Hole (Figure 2).* After removing our harnesses and SRT gear, we ventured underground into the cave. I always seem to have a problem finding the entrance crawlway that leads into the main passage maze in *Wolf Hole.* The four of us descended the steep log-littered, rubble, mulch and soft mud slope near the base of our entrance drop and entered the first main chamber, where our eyes slowly accustomed to the darkness now illuminated by electric lamplight. We followed the "main drag" route with survey markers direct to *Lake Pluto*, ignoring side passages in the various maze chambers en route.

Lake Pluto is reputed to be the largest known underground lake in any Tasmanian cave. There are a few other cave lake sites in Tasmania, including a large unexplored lake below a 5-6m drop, off from *Route 66*, a side passage in *Wargata Mina* (a cave in the Cracroft karst, formerly known as *Judds Cavern*). *Lake Pluto* is surrounded by steep banks of fine to coarse broken mudstone gravels, which appear like periglacial deposits, very similar to the deposits under flowstone in *Beattie Cave* at Hastings. The near lakeshore and lake bottom is floored with a deep fine muddy silt deposit that also forms the flat lying lakeside banks on the far RHS of the lake (where the cave branches off through another large rockfall chamber). As a deep water-saturated mud deposit, particularly near the far end left hand side of the lake as you go into the cave, the mud tends to swallow gumboots if you are not careful!

Lake Pluto is quite an attractive site with straw stalactites and other speleothems on lakeside walls and ceiling and in small alcove chambers near the lake *(see Figure 3)*. David Glowacki was quite

impressed and set up his camera and tripod at various lakeside sites with the three of us (Simon, Linda and myself) using various flashguns

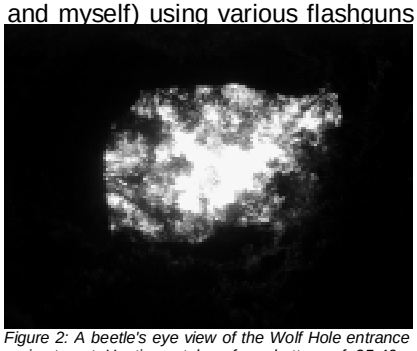


Figure 2: A beetle's eye view of the Wolf Hole entrance perimeter at Hastings, taken from bottom of 35-40m deep entrance collapse. ***Photo by Arthur Clarke.***

and slave units to fire off multiple flashes. While the three of us were positioned with our flash units at different lakeshore locations, we all independently observed a very strange and different phenomenon, related to some of the lake's inhabitants.

Lake Pluto is renown for another special attribute: the presence of an abundance of a particular cave ecotype or species variety of the anaspidean syncarid: *Anaspides tasmaniae*, - an aquatic crustacean, sometimes erroneously referred to as a "shrimp". The subterranean forms of *Anaspides* vary from cave to cave. In addition to loss of pigmentation, many of the specimens found in southern Tasmanian caves have an unusual spination (pattern of spines) of unknown function on the outer rear edge of their telson (the tail-like paddle at rear of their abdomen).

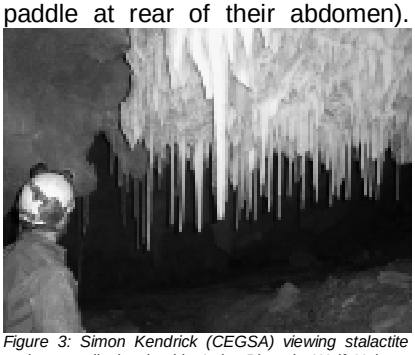


Figure 3: Simon Kendrick (CEGSA) viewing stalactite and straw display beside Lake Pluto in Wolf Hole at Hastings. ***Photo by Arthur Clarke.***

The arrangement of the telson spines in cave-forms of *Anaspides* is often different from karst area to karst area, or cave-to-cave, perhaps representing an adaptation to different hydrological (streamflow) regimes or the different substrate bottoms of these cave streams (or lakes). Apart from the difference in pattern of spination for the anaspides from *Lake Pluto*, these specimens are considered to be "stygobionts" – cave adapted species from an aquatic environment in caves (as against troglobites found in the terrestrial environment of caves). Although all known surface-dwelling and cave forms of *Anaspides* have eye-stalks, those specimens from *Lake Pluto* have no eye pigmentation in the tips of their eye stalks and also lack the eye lens facets, so are considered to be a "blind" cave-type with functionless eyes.

While sitting beside *Lake Pluto* with our flash-gun units, three of us (Simon, Linda and Arthur) observed numerous specimens of *Anaspides* in lakeside shallows. Some of these 3-4 centimetre long specimens of *Anaspides* were behaving quite strangely: they appeared to be floating upside down (legs up) under the surface tension of the lake surface. From a distance, they seemed to be almost motionless, in such a manner to appear like floating, or slowly drifting leatherwood leaves. In fact, most of the time they were not just floating: these anaspides were actually "walking" upside-down, gliding along slowly, under the motionless surface tension of the lake. The anaspides only performed their upside down feats in the lakeside shallows for brief intervals, possibly 15-30 seconds at a time, and then "dive-bombed" into the muddy silt substrate of the lake-bottom (25-30cm below), as if "playing" some sort of game. This strange phenomenon was indeed another difference for *Wolf Hole*.

During our exit from *Lake Pluto*, we stopped off at the straw stalactite chamber for a photo-stop; David set up his tripod again to take photographs – especially shots of the cluster of splayed straws (see cover photo). Continuing out of the cave, I was keen to look for the usual crawlway entry point and wandered off into a RHS side chamber, where we explored a side passage with more straw chambers and two vertical pitches: another different aspect to *Wolf Hole* that I had not previously seen. These vertical drops of unknown depth would require a rope to descend; interestingly, these pitches are relatively close to the main entrance collapse. Continuing along the chamber that circles around the *Wolf Hole* entrance collapse, we

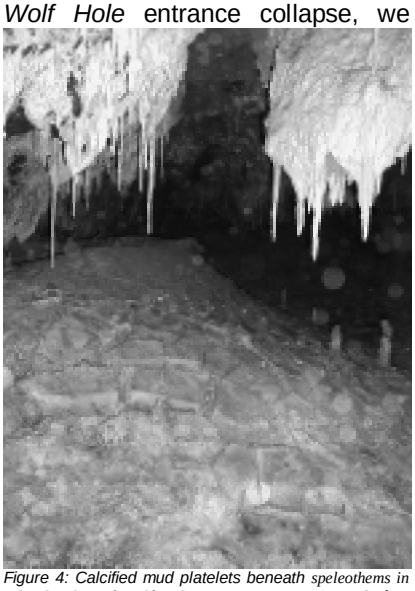


Figure 4: Calcified mud platelets beneath speleothems in side chamber of Wolf Hole at Hastings. ***Photo by Arthur Clarke.***

passed an area of stalactites above a bank of impressive 4-5cm thick calcified mud platelets *(see Figure 4)*: yet another very different aspect to *Wolf Hole*. The four of us then followed the main RHS passage into more maze chambers, where David partially explored an extension into the hill through a rockfall zone, possibly a previously explored route that was reported by STC member: Andrew Briggs.

Retracing our steps, we eventually located the crawlway entry/exit point that emerges in the main entrance collapse near the base of the far side, where the 40m free-hang pitch drops into the cave. Exiting from *Wolf Hole*, I was conscious that this is yet another Tasmanian cave that still has a lot to offer cavers (including STC members) and is probably long overdue for a systematic exploration and cave survey.

Due to a late exit, we opted for a quite evening at Francistown, instead of going to Hobart to attend the STC social night. Our apologies are offered to the two attending STC members: Albert Goede and Peter Hollings who had waited patiently till 9.35pm for the appearance of the visiting CEGSA cavers.

The STC Scaling Pole: Is it a Crippling Technology?

Some Antics at Fruehauf Quarry: 7/3/00

Party: Hugh Fitzgerald, Liz Canning, Pete Hollings, Nathan Timms, Sunny, Jol Desmarchelier, and Jeff Butt.

By Jeff Butt

The STC scaling pole was retrieved from Growling Swallet on 27/11/99 (see *Speleo-Spiel* #317, p3) after something like a 20 year 'period of residence'. I gave it a bit of a clean up before stacking it away in the gear store for another indeterminate 'period of residence'. I thought that it would be an interesting to find out a little of it's history and also a fun exercise to 'give it a try' at a Wednesday Fruehauf session.

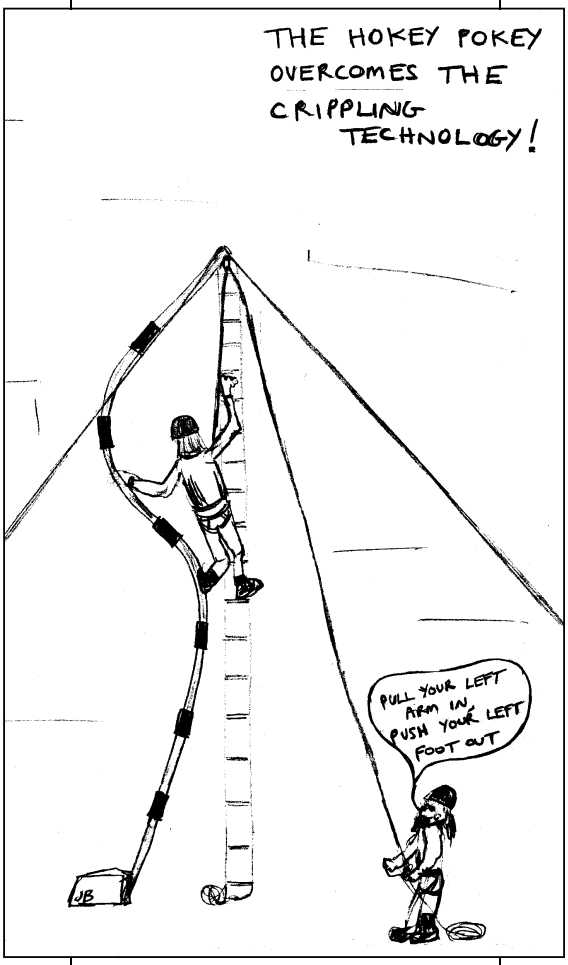
All that was required to get it back to 'working order' was a handful of new bolts, a couple of bolt brackets, a couple of pieces of old rope as stays and an electron ladder.

In terms of discovering it's history, a first step was to look at the STC electronic archive; I found the following reference to it in Speleo-Spiel 204 (Dec. '84-Apr. '85) in an article "Growling Swallet-Jan 17, 1984" by Stefan Eberhard. *"Ever since the initial breakthrough in GS the waterfall at the upstream end of the Trapdoor Streamway has presented a promising and challenging climb. Indeed, the* ***scaling poles have lain redundant in this section of the cave since 1981****. . . . . At length we* ***had 10 metres of pole assembled*** *next to the waterfall and with two stabilising ropes Don prussiked up, carefully,* ***the pole bent alarmingly****. He was still some 5 metres below the overhanging lip of the waterfall, but there were no cracks for placing protection. Bolting was out of the question* ***in such a precarious position as the pole threatened to topple over backwards!****"*

It seemed obvious that using it would provide some degree of excitement!

I then tried my luck with both some of our more senior members recollections (much easier than thumbing though all the old back-issues of the Spiels in the STC library).

Albert Goede revealed that "*The scaling pole was constructed in the late 1960's and was the brainchild of Brian Collin. I was one of the first to try it out with a party in Mystery Creek Cave. We used it to investigate the upper entrance only to discover afterwards that it was possible to climb up inside the cave to get into the upper level. We also used it on the same trip to investigate several high-level passages further into the cave to try to establish a link with Conference Concourse in Exit cave. The pole worked quite well but none of the passages we looked at went far. There is a trip report in an early Spiel somewhere but I could not tell you which one without a search."*



Stuart Nicholas recollected *"I recall seeing the thing stacked up in Brian Collin's gear shed in the early 70's (I joined TCC in 1970), but it was not used in anger during my time until we took it into Growling Swallet. I took over the gear from somewhere about the mid 1970's when Brian did my trick and stopped going caving. The pole was stacked up in my gear shed for a long time as well, being assembled once as I recall to lean it up in my front tree, more to amuse the neighbours some more, rather than an actual try out!"*

It was interesting to note it had been used, and had also spent a fair amount of time being 'stacked up' in various gear custodians sheds.

As far as scaling poles go, ours (state of the art for the 1950's) is a bit of a "beast" weighing in at around 25kg. I had the excitement of using and carrying a modern scaling pole in Switzerland in 1997, it weighed about 8kg and was easily transported by one person. Anyway, for interest our scaling pole is composed of 7 sections of aluminium tubing (2" outer diameter, 3/16" wall thickness...yes it was made and designed in the days of imperial units!) each weighing 6lb. 4oz. Each section is bolted to the next by a pair of angle brackets (12" long, 2" by 2" by 1/4", weighing 1 lb. each) via a pair (2 per join) of 4" by 1/2" bolts, 3" from the end of each pole section. All up the pole is 35' long and weighs about 56lb. At an ideal angle of 15° to the vertical, that gives an effective length of around 34ft. You need about 3 people to comfortably carry it any distance.

I consulted the Scaling Pole section of "Manual of Caving Techniques",

edited by C. Cullingord (1967) and discovered *"It has been found that 30 to 35ft. is about the limit, if **failure by crippling** is to be avoided."* From Stefan's trip report above it seemed that 'crippling' was very likely. It also seemed to be an appropriate name for failure, as it suggested the fate of the poor soul on top of the pole shortly after failure! Anyway, armed with this knowledge we headed down to Fruehauf and assembled 6 sections of the pole. We got a person on each guy rope, another to look after the base of the pole, another on the belay rope (and took the added precaution of connecting the belay rope to one of the bolts on the wall, as crippling or impaling someone on a training evening wouldn't be good form) and then looked around for a "volunteer" to climb the ladder. The only person left was Pete, so he became the "crash test dummy". He cruised up the ladder to the top of the pole, seemingly without any great fear that the pole would fail. The rest of us looked on with a sigh of relief, as we were all lighter than Pete. We each took a turn to ascend the pole. The pole did bend somewhat, but into a nice catenary shape against the wall and felt quite secure (having the belay rope attached to the cliff certainly helped with this feeling!). Balancing at the top of the pole was fine, but hammer-swinging movements (as would be needed for installing a bolt) would increase one's sense of being in a delicate position!

With our experience at 6 sections we thought it time to try it with 7 and duly bolted the last section of pole on. We were looking around for a new volunteer, when Hugh happened to turn up and so he was it! The behaviour of the pole changed rather dramatically with the extra section in. As Hugh was climbing the ladder the pole developed an alarming sideways bend, so much so that all the observers safely on the ground were suggesting that he come back down quick. Hugh had a solution to that though, he could just push against the bending pole to straighten it.... that might be OK then, but not so good when he climbed a bit higher, the bend increased. Hugh safely retreated and Liz was heard to have a sigh of relief that we hadn't crippled the STC Vice President (and her husband).

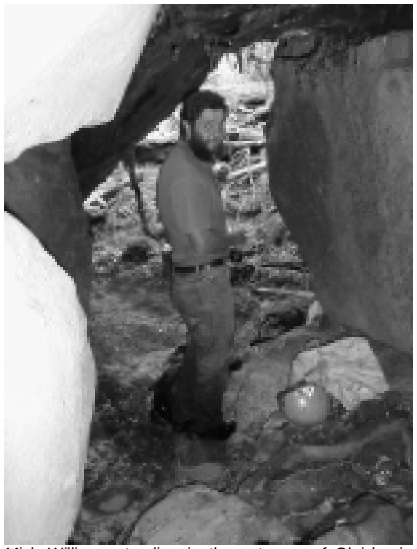
The long and short of it is that the scaling pole seems to be quite stable with 6 sections (30'), but if the seventh section is to be added intermediate guy ropes are required.

We disassembled the pole and once again it resides in the gear store. Maybe in 20 years time if it's still there it should go to some museum? But if you ever feel the need to have a play with some 'crippling technology', then it's there waiting!

Gleichenia Creek Trip - A "fun" Place, But No Limestone: 27/02/2000

Party: Robyn Claire, Arthur Clarke, Albert Goede, "Sonny" Lee and Mick Williams. By Arthur Clarke

Gleichenia Creek is one of two prominent northern tributaries to the *Lune River*. The creek is reached by walking/ rock-hopping up the *Lune River*, which is accessed by forestry roads such as the North Lune Road (off the Hastings Caves Road). I had previously visited *Gleichenia Creek* in April 1986, with a team of VSA members and locals from the Lune River district, to search for glacial features and limestone. (The area west from *Lune River Plains* is probably one of the very few sites in Tasmania where there is evidence of glacial outwash and moraines extending close to sea level.) *Gleichenia Creek* runs dry in several sections, including a 200 metre long stretch amidst large "garage" or "house" sized boulders. One of our party stated that further upstream, he saw water disappearing into a fissure of "light blue-grey coloured rock" which he presumed was limestone. Based on his report, *Gleichenia Creek* had been mapped as the possible western limits of the North Lune karst area (Clarke, 1990). This recent trip was prompted by the desire to see this reported limestone and check out the possibility of finding some caves or other karst features.



Mick Williams standing in the entrance of Gleichenia Creek Boulder Cave. ***Photo by Arthur Clarke.***

A $50.00 deposit to Forestry Tasmania is now required for a key to the boom gate that bars access to the North Lune Road. The road trends south towards the *Lune River*, passing the new commercial "limestone-water" bottling outfit at a former Mines Dept. borehole site beside a quartzite outcrop. The North Lune road terminates in regrowth forest and a taped track is followed to the river – either direct, or by branching west along an old logging tramway. The river was quite low enabling a choice of rock-hopping routes and the occasional (or enforced) wading in shin to knee-deep water. As you progress further upstream, the boulders get bigger and the river flows faster! We discovered that there was an easier more westward access route: another forestry spur road on the south side of the *Lune River* that branches off the South Lune Road.

Sonny Lee led the way: his rock-hopping skills were quite amazing! A short distance beyond *Moonlight Creek* which comes in from the south, there is an almost right angle bend in the *Lune River* where it trends north beside a glacial moraine – a good lunch spot beside a deep swimming pool. About 150m upstream, *Gleichenia Creek* falls into the *Lune River* over a small 1.5m high boulder bank. Further upstream beyond numerous log jams and white lichen coated rocks,

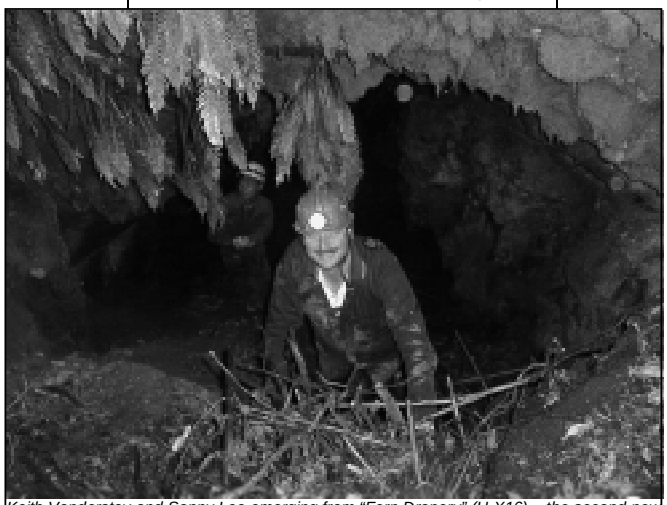
the stream boulders in *Gleichenia Creek* become larger and the stream gradient steeper. Robyn and Albert decided to retreat. The creek contains many glacial features and several small pseudokarst cave sites, such as *Gleichenia Creek Boulder Cave*, amidst the massive boulders where the creek bed runs dry. In one instance, Mick located what appeared to be a steep-sided doline with a stream running through it, on the northern side of *Gleichenia Creek* – this was actually another pseudokarst feature with a stream emerging from one boulder bank and entering another, between steep-sided moraine ridges. Continuing upstream we soon found our blue-grey rock: water worn, fissured and well-jointed slabs of dolerite, then the sheer creek-side cliffs of dolerite towering to around 30-50m high – but definitely no limestone. End of story!

Reference: Clarke, A. (1990): North Lune - a new limestone karst area in southern Tasmania. *Jnl. Tasmanian Cave & Karst Research Group,* No. 4: 27-37 (May, 1990).

Three New Caves at Hastings: 26/02/2000

Party: Arthur Clarke and Won Seok "Sonny" Lee (STC); Keith Vanderstaay (site Co-Ordinator – Hastings Caves and Thermal Springs). By Arthur Clarke

A leisurely late afternoon start – walking up the new access track to the *King George V Cave* (*KGV*) entrance, then 3-4 minutes up the next (westward) manfern gully to our first cave: an active swallet. Surrounded by stinging nettles (that "bit" through thermals), this vertical swallet entrance lies at the base of a collapse created by a recent tree-fall at the mudstone-dolomite contact. A short 2-3m down-climb under tree roots and loose mudstone boulders takes you to a gravely streambed with organic matter that narrows down to a 15-20cm high passage after a short distance. Recorded as H-X15, this entrance is likely to be the swallet entrance to *KGV* (pers. comm., Ian Houshold and Roger Griffiths) and is tentatively named as the "*KGV Swallet*".



Keith Vanderstay and Sonny Lee emerging from "Fern Drapery" (H-X16) – the second new cave at Hastings. ***Photo by Arthur Clarke***

Following the contact west, we found another new cave (H-X16) not previously known to Keith Vanderstaay or Ian Houshold. Located in the next fern gully westward, this horizontal cave has an impressive 4-5m wide, 2m high entrance – with ferns draping down from the cliff above and appears very similar to *Beatties Cave*, but much larger. Floored with a thick forest mulch, the entrance slope leads down to a large 8m wide 5m high chamber with speleothems and the remains of a large brushtail possum nest perched on the back-wall. There are two ways on: a duck-under to a mud-floored stream passage route and a side passage in rockfall with a rock-filled vertical slot that takes water. Sonny Lee had the thrill of being the first person to explore the stream passage – reporting a series of low crawls connecting three separate small chambers abounding in straw stalactites and cave crickets – estimated total length 15-20 metres. The other side passage appeared to be choked by rock and wasn't explored. A possible cave name could be: "*Fern Drapery*".

The next cave (H-X17) was located uphill and west, "around the corner" through some open forest to the contact bluffs at the side of another gully. Locally referred to as "*Vanderstaays Vault*", this un-named feature is impressive: a 4m x 5m vertical entrance dropping down to a steeply sloping dirt, log and mulch covered ramp and draughting "black" hole beyond. Using a 60m rope, I rigged the entrance from base of a convenient tree; using the rope as a handline, the three of us free-climbed down about 3-4m to a rocky mulch base - strewn with tree branches and what appeared to be the remains of a lyrebird nest - above the pitch. Expecting Sonny Lee to follow, I descended the steep (60-70degree) dirt slope down about 10-12m to the 1.5m wide "black hole" at top of a vertical pitch: a 15-20m drop, initially against a mud-caked wall then a free-hang into a huge chamber approximating the size of the *Wolf Hole* entrance collapse. At the base of the pitch was a soil cone; this lead down to a rubble slope with walls of massive flowstone, stalactites, stalagmites and shawls – much of which is coated in recent mud deposits: possibly a legacy from logging days. At the lower reaches, where the chamber must be around 25-30m high and 20-25m wide, there was a relatively strong draught issuing from around small boulders in a rock choke where the cave appears to continue under a head wall. I was reluctant to move any boulders on my own, so I departed the scene. Sonny had gone off to explore some other new small cave entrances (H-X18) further round the contact bluffs.

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Takaka Hill (New Zealand) Caving - Touristing: Jan 2000

Party: Andras Galambos, John Sherry (Ireland), Jeff Butt. By Jeff Butt

A quick sortie across the Tasman saw a couple of STC members team up with an itinerant Irishman for a spot of recreational caving in the Takaka region on the South Island of New Zealand. John Sherry was a member of the Nelson Speleo Group (NSG) and we made good use of the excellent NSG hut on the side of Takaka Hill, west of Nelson. Apparently it is always sunny in Nelson, but not so at Takaka, we did score several days of heavy rain. We were fortunate to be able to team up with John; as a pseudo local he knew his way around the area.

Summit Tomo - Tuesday 18/1/00. First cave for us was Summit Tomo, just a km up the road and near the summit of the hill (no surprise for that!). After a short walk we found the entrance doline and entrance OK and were soon heading down. This particular cave is basically left rigged, apart from one 34 m pitch. The kiwis make extensive use of natural pro in their rigging, all sorts of devious chock-placements are utilised. We headed on down, towards the 'old cave', and then followed the ubiquitous Donaghys rope along an up-pitch to reach the 'new cave'. We rooted around looking for the way, there seemed to be many options, but did eventually find a small percentage of the 'new cave', including some magnificent Dog Tooth Spar, fist size crystals!! They were exceedingly impressive.

Starlight Cavern. ***Photo By Jeff Butt***

On the way out we had a few route-finding problems. At this stage we were glad we'd left out intentions on the hut blackboard, but a pity it would be a considerable wait till the next cavers might happen by next weekend!! So we back-tracked several times till we found the key to get back out.

Middle Earth - Wednesday 19/1/00. Along Caanan Road (the route to Harwoods Hole), the road winds between two large dolines, on the left is the Greenlink doline and on the right is the Middle Earth doline, both with caves in them. The caves now actually connect, as does another called Swiss Maid. In the hut we'd read about the free-diving of the Greenlink Sumps, the route down Middle Earth, or Swiss Maid sounded much nicer. Anyway through the entrance rockfall led us to the first 35 metre pitch. It was here a year before that a Sydney caver came to grief, a party member had accidentally pulled the rope up to a ledge. One of the stranded cavers (the victim) attempted to free-climb the 15m to the ledge, but fell and was badly injured and had to await rescue with the others. (Whilst in NZ, I did occasionally detect a "more cavers from Oz that will probably need to be rescued" attitude from the locals.) We made it down to the massive Hall (after going around in circles a few times) and then on to Sump 1. En-route we savoured the delights of the two squeezes "Hold me Tight" and "Let me Go". Hold me Tight was awkward for long limbed people on the way in, but OK on the way out. Let me go was gravity assisted on the way down, but on the way out was a formidable obstacle, the only way to get out was a push from the bottom, or a pull from the top as there was just nothing to give ones feet any purchase. (Actually, upon reflection, these two squeezes were more difficult than Splash Pot, but they were much less sustained.) An alternative route from Smorges would have taken us down towards Sump 2 and Greenlink, but time was against us, so we decided to head back to the hut and all it's luxuries.

Harwoods Hole from the "Take-off" Ledge. ***Photo by Jeff Butt***

Olympia & Early Gray - Thursday 20/1/00. More of that wonderful clean washed Takaka Hill marble. We were fortunate that John had been there before, as we'd have never found the entrance by his instructions alone, and only just found it with him along with us. What a wonderfully clean-

washed cave. Quite a few interesting free-climbs en-route. The 35' shaft of waterfalls proved somewhat interesting, we managed to get by, by rigging a handline using a knot jammed in a crack as our anchor. Arriving back at the hut at a reasonable time we wandered over to the nearby (50 m distant) Earl Gray, basically a 60 m deep pot-hole.

Harwood's Hole Through Trip - Friday 21/1/00. We teamed up with a local by the name of Travis who has a morbid fear of dehydration. Back along the Caanan Road to Harwood's Hole. What an impressive feature this is, essentially the Black Supergiant of Niggly in the daylight. A 176 m entrance pitch with a rebelay at -26 m then a 140 m free-hang down a shaft ~30 m in diameter. We had hired the NSG's Harwoods rope for the day, otherwise it would have been an 11 knot descent on our collection of shorties, no thanks. It is a long way down on a 'hot-stop'; must say I used the contents of a water bottle to keep things cool for the descent. Once down the pitch, which is rather imposing one enters the amazing Starlight Cavern, a large formation filled active streamway that cuts down to 'The Gorge'. Starlight is full of huge plunge pools, waterfalls, massive amounts of formation and a collection of somewhat tatty permanent rigging which regularly suffers in periodic floods. The only penalty for this trip is the ~450 m ascent back up to the top of the ridge. It would have to be one of the best through trips you could imagine.

After that it just rained, we had a day along Caanan Road playing in the rain, building dams in normally dry creek beds to divert water down sink-holes.

Takaka Hill is a top place to go caving, loads of clean-washed marble, loads of caves. But if you do go, it's worth teaming up with a local or two as finding information about caves or entrances seems to be even more difficult than over here. This is compounded by the absence of number tags on entrances.

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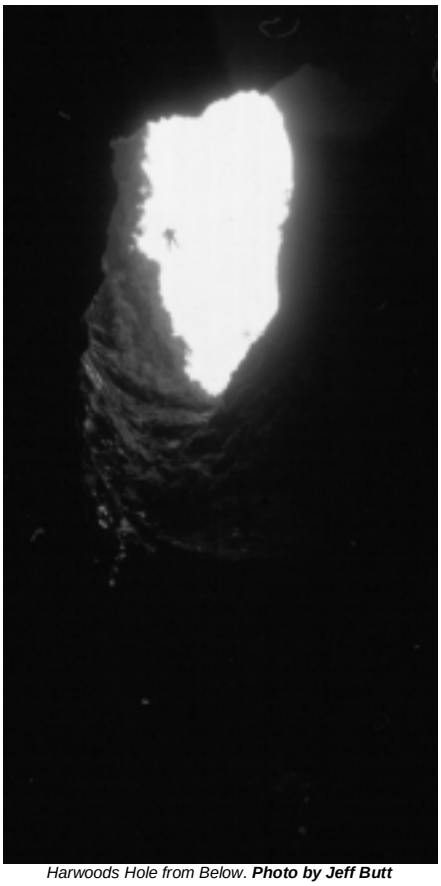

Harwoods Hole from Below. ***Photo by Jeff Butt***

A Complete List of the Known Caves in the Junee-Florentine Karst

By Arthur Clarke

Introduction:

Eberhard (1994; 1996) has divided the extensive Junee-Florentine (JF) karst area into a number of conveniently separate areas and listed most of the caves accordingly. Cave exploration and documentation has been variable across these different areas, as shown by the patterns of cave discovery and cave numbering in the accompanying list. Most of the known and/or number-tagged JF caves appear to date back to the late 1960's/ early 1970's - around the time when the former Southern Caving Society (SCS) began and when the former Tasmanian Caverneering Club (TCC) had an active Maydena Branch (TCC-MB) in the mid to late 1970's. Additional caves were recorded in the late 1980's to early 1990's, when Russell Drysdale, Rolan Eberhard and Nick Hume were engaged in their respective karst study, mapping or hydrology projects. Now it appears that STC is having a rush of blood in that direction!

Following the rash of recent new cave discoveries in the Junee-Florentine (no pun intended) – it seemed an appropriate time for the STC Karst Index Officer to prepare an updated and referenced list of the known JF caves. There were a number of records for untagged caves (without cave summary forms), that had not been previously collated, e.g., the "TL" caves or features in Drysdale (1992) and the numerous sites, including "JF-Z" numbered caves and streamsinks in Eberhard (1992; 1994; 1996) - so this was further motive to update the list of JF caves. All the recent untagged caves found by Jeff Butt, Dave Rasch and Jol Desmarchelier have been reported as "Hole" numbers or other cave names and described in recent editions of *Speleo Spiel* (see #312, #314, #315 and #317); these are now listed as JF-X numbers.

In order to maintain an updated record of known caves (for documentation purposes) all new cave finds are generally accorded with a temporary "X" number (Clarke, 1999a; 1999b), especially when there are published reports of these new sites. In addition to the new "holes" near *Khazad Dum* and *Splash Pot*, this updated list of JF-X numbers includes the "TL" caves recorded by Drysdale (1992) in the "Twin Lakes" basin of the Coles Creek area and a number of additional sites recorded in Eberhard (1992; 1996). Although some of these new finds might

never be number-tagged, the assignation of a temporary "X" number provides a convenient means for further documentation of any relevant data for posterity including cave name (if any), exploration/discovery history, location details and a data reference source.

When cave documentation records for new untagged (and tagged) caves also include location details, this information will ideally save future duplication of exploration effort and lessen the risk of "loosing" caves, as appears to be the case with *Hairygoat Hole* (JF-15). (Note: "Hairygoat" is one word!)

This risk of loosing caves can be further reduced in four ways:

- By surveyed cave locations, with entrances tied into an overland survey or other known surveyed or referenced positions;
- Recording a description of the entrance including vegetation surrounds and cave location (distance and bearings) to other known features or caves;
- Number-tagging (and naming) significant caves and recording position of number tag in relation to the entrance. (A number tag is also useful as a reference point for cave surveys);
- Photo-monitoring of new cave entrances, especially when number tags are attached (see Butt, 1999c). Over time, information (and memories) about number tag locations may become vague. Similarly, number tags may become dislodged or covered by falling logs and branches or soil and mud, as well as possibly being overgrown with ferns and bryophytes: mosses etc.

Karst Index documentation of recent JF cave discoveries:

In recent editions of *Speleo Spiel* (#312, #314, #315 and #317), there is reference to some 40-41 caves that have been given "Hole" numbers: "Hole 1" to "Hole 34" and "Hole A1" to "Hole A7". Although "Hole 9" is not directly reported, the GPS records show that Hole 9 was found and on 20/6/99 and is likely to be *Splash Pot* (pers. comm., Jeff Butt). All of the other recent new JF cave finds have been accorded with "JF-X' numbers, following the guidelines established in the ASF Karst Index (Matthews, 1995) and some of these have now been number-tagged (Goede, 2000). Most of the new entrances now have surveyed locations along with entrance descriptions recorded in the respective referenced reports (see accompanying list).

Following are some explanatory comments relating to karst index documentation of these new caves and assigning of temporary "JF-X" numbers, for untagged entrances. The untagged entrances recorded by Butt (1999a; 1999b) as "Hole 1" to "Hole 8" (including "Hole 5A") were recorded as JF-X64 to JF-X72 (Clarke, 1999b). In *Speleo Spiel* #314, Rasch & Desmarchelier (1999a) show that their "Hole A2" is the same as "Hole 8" recorded by Butt (1999b) and now listed as JF-X72. As mentioned above "Hole 9" is likely to be Splash Pot (JF-10) and "Hole 10" (*Scratch Pot*), which was recorded as JF-X73, is now tagged as JF-250 (Goede, 2000). The remaining six "Hole A" series entrances (Hole A1 and Hole A3 to Hole A7) reported by Rasch & Desmarchelier (1999a) are recorded as JF-X74 to JF-X79. "Hole 11", recorded as JF-X80, has now been number-tagged as JF-261 (Goede, 2000). The remaining 23 new entrances ("Hole 12" to "Hole 34") were recorded with JF-X81 to JF-X103 temporary numbers. Hole 17 (JF-X86) has now been tagged as JF-262 and named "*Musk Hollow One*"; Hole 18 (JF-X87) is tagged as JF-264 and named "*Musk Hollow Two*".

The number tags attached to these new JF caves include some of the gap numbers that have not been previously assigned (Clarke, 1999b). As shown in the accompanying list, Rolan Eberhard used the "JF-263" number to tag an un-named cave during his documentation of JF caves in 1993-1995 (Eberhard, 1994; 1996). Another 35 gap numbers (JF-265 to JF-299) have not been assigned.

However, despite the best intentions of your STC Karst Index Officer – assigning "JF-X" numbers to these "new" discoveries in the *Khazad Dum* and *Splash Pot* area - it is quite likely that some of these cave entrances have been reported or documented before. In *Speleo Spiel* #222, Stefan Eberhard describes his search for *Hairygoat Hole* (JF-15) in August 1986 – relating the discovery of another four new apparently un-numbered caves (Eberhard, 1986). These four caves and another two "new" entrances in the *Splash Pot* area were subsequently assigned with six "JF-Z" numbers: as JF-Z6 to JF-Z11 (Eberhard, 1994).

Comment on the documented list of known JF caves:

The following list of 624 numbers represents the karst index record for JF cave numbers in the Junee-Florentine karst of southern Tasmania. As mentioned above, 35 of these JF numbers have not been allocated to caves. In addition there is no recorded information for another six number tags issued in November 1988 (Clarke, 1999b); the status of these missing JF tags is unknown: whether used to number caves or simply mislaid. There are 583-recorded JF cave entrances (or karst features): 361 have been assigned with cave numbers (and presumably number-tagged); another 222 remain as untagged (un-numbered) caves with temporary "JF-X" or "JF-Z" numbers.

The "JF-Z" numbers represent another different informal system for description of un-numbered caves (independent to the ASF system), used by Rolan Eberhard in his first report to Forestry Tasmania which details JF caves and karst sensitivity zones (Eberhard, 1994). Rolan's list of untagged JF-Z caves was compiled from the reports of untagged caves in various caving publications (*Speleo Spiel* and *Southern Caver*) and from subsequent discoveries during his JF karst studies. There are no karst index cave summary forms for these JF-Z caves – the KI information has been directly sourced from Rolan's report and/or his quoted references (Eberhard, 1994).

It should be noted in the accompanying table of JF caves, that Wherretts Cave is listed twice: as JF-X53 and JF-Z56. The cave listed as Coles Creek Cave (JF-X55), may be actually Follets Swallet (JF-X121) originally recorded as TL-32 (Drysdale, 1992). There are possibly additional examples of duplication amongst the untagged JF-X caves; the JF-Z caves may also contain duplicate records, including the previously mentioned JF-Z6 to JF-Z11 cave sites recorded near *Splash Pot*, some of which may have been recently given "Hole" number names and "JF-X" numbers.

In addition to the caves listed below, there are another six caves including *Risbys Basin Cave* (plus *Pillingers Creek Cave*, listed in the following table) that have been assigned to the Risbys Basin (RB) karst area – now considered as a distinctly separate karst area to the Junee-Florentine area (Desmarchelier & Clarke, 1998).

The following table list, divided into six columns, only represents a section of the karst index record for these JF caves. (Additional sections not listed include cave length/ depth details, known attributes such as fossil deposits or cave fauna records, ASF survey map numbers and location details including 1:25,000 map sheet details and AMG grid references.) Some explanatory notes for the column headings:

- Number: Relates to the issued or recorded JF cave number (including numbers not allocated) or the assigned temporary JF-X and JF-Z numbers. Where a particular cave is known or recorded as an entrance to another cave, the JF cave number has an "E" suffix (for Entrance);
- KID History: Refers to other published or documented records for that cave entrance, including any previous (or subsequent) "X" number and alternate "cave name". Where a cave number is recorded with an "E", reference is given to the connecting cave number. Abbreviations include B&H (Benson and Hedges series), KI (1985 ASF Karst Index), SE (Eberhard, Richardson & Swain, 1991) and SS (Speleo Spiel). In instances where there is no record of cave exploration, this is stated as – e.g., "Unexplored". Those karst features that are not cave entrances are defined, e.g., as "Streamsink" or "Headwall";
- Cave Name: Records name of cave entrance, if any. If un-named, the cell is left blank. Where a cave is known by more than one name, the more commonly referred name, or most recently assigned name, is listed;
- Discovery: Gives the name of person and year date (if known) of first recorded discovery (or exploration) of the cave - or the initials of caving club (e.g., TCC) or other organisation (e.g., ANM) and the year date, if known;
- Approx. Area: Location detail for caves, where known – providing general regional locality for known or named caves, based on the JF unit areas defined in Eberhard (1994; 1996) along with more specific site locality data for un-numbered JF-X or JF-Z caves;
- Data Source: Reference details for the principal (or most recent) source of information on cave documentation that forms the basis of the karst index records, used in compilation of this database. (Additional information maybe gained from some of these quoted data sources.) All the reference data sources used or cited are listed below.

Acknowledgment:

I am indebted to Rolan Eberhard (and Forestry Tasmania), for the two publications that contain a collation of most of the known Junee-Florentine caves - recording them to defined JF unit areas and/or other location detail as listed under the "Approx. Area" column in the accompanying table.

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Butt, J. (1999a) Surface wandering in the Junee-Florentine, 10/1/99. *Speleo Spiel*, **312:** 10.

Butt, J. (1999b) Surface exploration near Khazad Dum: 20-21/6/99. *Speleo Spiel*, **314:** 15-16.

Butt, J. (1999c) Junee Fossicking (Scratch Pot, Junee Cave & surface thrashing around both): 19/9/99. *Speleo Spiel*, **315:** 17-18.

Butt, J. (2000a) JF number tagging - 28/11/99. *Speleo Spiel*, **317:** 4.

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Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-1		JF One	TCC, 1969	Junee Cave area	ASF KID, 1985
JF-2		Cauldron Pot	TCC, 1969	Junee Cave area	ASF KID, 1985
JF-3			TCC, 1969	Junee Cave area	ASF KID, 1985
JF-4		Khazad-Dum	TCC, 1969	Junee Cave area	ASF KID, 1985
JF-5E	Into JF-4	Khazad-Dum	TCC, 1969	Junee Cave area	ASF KID, 1985
JF-6	"Westfield Caves"	Cashion Creek Cave	TCC, 1957	Cashions Creek area	ASF KID, 1985
JF-7	"Florentine River Cave"	Frankcombe Cave	TCC, 1960	Breganti area	ASF KID, 1985
JF-8		Junee Cave	Twelvetrees, 1908	Junee Cave area	ASF KID, 1985
JF-9			TCC, 1970	Junee Cave area	ASF KID, 1985
JF-10	(Hole 9)	Splash Pot	TCC, 1948	Junee Cave area	ASF KID, 1985
JF-11		Rainbow Cave	SCS, 1967	Mt. Field West area	ASF KID, 1985
JF-12		Logfeed	TCC, 1961	Junee Cave area	ASF KID/ J. Butt, 1999
JF-13		Dribblespit Swallet	TCC, 1971	Junee Cave area	ASF KID, 1985
JF-14E	Into JF-4/5	Dwarrowdelf	TCC, 1971	Junee Cave area	ASF KID, 1985
JF-15	Partially explored	Hairygoat Hole	TCC, 1970	Junee Cave area	ASF KID, 1985
JF-16			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-17			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-18			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-19			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-20			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-21			TCC, 1970	Junee Cave area	ASF KID, 1985
JF-22			TCC, 1970	Junee Cave area	ASF KID, 1985
JF-23	Partially explored	Lawrence Creek Caves		Lawrence Rivulet area	ASF KID, 1985
JF-24E	Into JF-23	Lawrence Creek Caves		Lawrence Rivulet area	ASF KID, 1985
JF-25			TCC, 1971	Lawrence Rivulet area	ASF KID, 1985
JF-26			TCC, 1971	Lawrence Rivulet area	ASF KID, 1985
JF-27			TCC, 1971	Lawrence Rivulet area	ASF KID, 1985
JF-28	Partially explored		TCC, 1971	Lawrence Rivulet area	ASF KID, 1985
JF-29	Partially explored	Niagara Pot	TCC, 1970	Junee Cave area	ASF KID, 1985
JF-30	"Smithfield Caves"	Tom Smith's Cave	TCC, 1971	Junee Cave area	ASF KID, 1985
JF-31	SS:121	The Letterbox	TCC, 1971	Junee Cave area	ASF KID, 1985
JF-32			TCC, 1971	Junee Cave area	ASF KID, 1985
JF-33		Dead Horse Cave	TCC, 1946	Junee Cave area	ASF KID, 1985
JF-34		Rift Cave	TCC, 1948	Junee Cave area	ASF KID, 1985
JF-35		Gormenghast	TCC, 1972	Mt. Field West area	ASF KID, 1985
JF-36		Growling Swallet	Twelvetrees, 1908	Growling Swallet area	ASF KID, 1985
JF-37		Pendant Pot	TCC, 1972	Growling Swallet area	ASF KID, 1985
JF-38		Trapdoor Swallet	TCC, 1972	Growling Swallet area	ASF KID, 1985
JF-39			TCC, 1972	near JF-36	ASF KID, 1985
JF-40			TCC, 1972	Junee Cave area	ASF KID, 1985
JF-41			TCC, 1972	Junee Cave area	ASF KID, 1985
JF-42			TCC, 1972	Junee Cave area	ASF KID, 1985
JF-43			TCC, 1972	Junee Cave area	ASF KID, 1985
JF-44E	Into JF-43			Junee Cave area	ASF KID, 1985
JF-45			TCC, 1973	Cashions Creek area	ASF KID, 1985
JF-46	Streamsink	Quarry Hole	TCC, 1973	Junee Cave area	ASF KID, 1985
JF-47		Suicide Pot	TCC, 1973	Junee Cave area	ASF KID, 1985
JF-48	Streamsink		TCC, 1974	Breganti area	ASF KID, 1985
JF-49E	Into JF-48		TCC, 1974	Breganti area	ASF KID, 1985
JF-50			TCC, 1974	Breganti area	ASF KID, 1985
JF-51		Gong Cave	TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-52			TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-53	Bluff Cave	Nunamira	TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-54	Unexplored		TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-55		Deviation Cave	TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-56			TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-57			TCC, 1974	Gells Lookout area	ASF KID, 1985
JF-58		Anticlimax	SCS	Cave Hill area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-59			TCC, 1974	Settlement area	ASF KID, 1985
JF-60E	Into JF-59		TCC, 1974	Settlement area	ASF KID, 1985
JF-61	Partially explored		TCC, 1974	Settlement area	ASF KID, 1985
JF-62	Partially explored		TCC, 1974	Settlement area	ASF KID, 1985
JF-63		Ross Walker Cave	TCC, 1946	Junee Cave area	ASF KID, 1985
JF-64E	Into JF-63	Ross Walker Cave	TCC, 1946	Junee Cave area	ASF KID, 1985
JF-65E	Into JF-63	Ross Walker Cave	TCC, 1946	Junee Cave area	ASF KID, 1985
JF-66	now RB-X1	Pillingers Creek Cave	TCC, 1947	RISBYS BASIN karst	Clarke, 1998
JF-67		Deefour Pot	TCC, 1960	Cave Hill area	ASF KID, 1985
JF-68			TCC, 1974	Cave Hill area	ASF KID, 1985
JF-69	Into JF-4(?)		TCC	Junee Cave area	ASF KID, 1985
JF-70			TCC, 1974	Settlement area	ASF KID, 1985
JF-71			TCC, 1974	Settlement area	ASF KID, 1985
JF-72			TCC, 1974	Settlement area	ASF KID, 1985
JF-73			TCC, 1974	Settlement area	ASF KID, 1985
JF-74			TCC, 1974	Settlement area	ASF KID, 1985
JF-75			TCC, 1974	Settlement area	ASF KID, 1985
JF-76			TCC, 1974	Settlement area	ASF KID, 1985
JF-77			TCC, 1975	Settlement area	ASF KID, 1985
JF-78			TCC, 1975	Settlement area	ASF KID, 1985
JF-79	"Beginners Luck Cave"	Tiata Mara Kominya	TCC, 1975	Settlement area	ASF KID, 1985
JF-80E	Into JF-79	Tiata Mara Kominya	TCC, 1975	Settlement area	ASF KID, 1985
JF-81E	Into JF-79	Tiata Mara Kominya	TCC, 1975	Settlement area	ASF KID, 1985
JF-82E	Into JF-79	Womguano Entrance	TCC, 1975	Settlement area	ASF KID, 1985
JF-83			TCC, 1975	Stan Murray area	ASF KID, 1985
JF-84			TCC, 1975	Stan Murray area	ASF KID, 1985
JF-85			TCC, 1975	Settlement area	ASF KID, 1985
JF-86			TCC, 1975	Breganti area	ASF KID, 1985
JF-87			TCC, 1975	Settlement area	ASF KID, 1985
JF-88			TCC, 1976	Settlement area	ASF KID, 1985
JF-89E	Into JF-88		TCC, 1976	Settlement area	ASF KID, 1985
JF-90	"Vandalisation Cave"	Vandal Cave	TCC, 1976	Junee Cave area	ASF KID, 1985
JF-91		Boomer Cave	TCC, 1976	Settlement area	ASF KID, 1985
JF-92			TCC, 1976	Settlement area	ASF KID, 1985
JF-93			TCC, 1976	Settlement area	ASF KID, 1985
JF-94			TCC, 1976	Settlement area	ASF KID, 1985
JF-95			TCC, 1976	Settlement area	ASF KID, 1985
JF-96			TCC, 1976	Settlement area	ASF KID, 1985
JF-97		Titans Shelter	TCC, 1976	Settlement area	ASF KID, 1985
JF-98			TCC, 1976	Settlement area	ASF KID, 1985
JF-99	Partially explored	The Chairman	J. Parker, 1976	Junee Cave area	ASF KID, 1985
JF-100			J. Parker, 1976	Junee Cave area	ASF KID, 1985
JF-101			TCC, 1976	Settlement area	ASF KID, 1985
JF-102			TCC, 1976	Settlement area	ASF KID, 1985
JF-103		Quick Visit Cave	TCC, 1976	Stan Murray area	ASF KID, 1985
JF-104			TCC, 1976	Stan Murray area	ASF KID, 1985
JF-105		The Eliminator	TCC, 1976	Stan Murray area	ASF KID, 1985
JF-106E	Into JF-105		TCC, 1976	Stan Murray area	ASF KID, 1985
JF-107			TCC, 1976	Stan Murray area	ASF KID, 1985
JF-108		Little Dipper	TCC, 1946	Junee Cave area	ASF KID, 1985
JF-109		Breccia Ridge Cave	TCC, 1975	Settlement area	ASF KID, 1985
JF-110		Victory 75	J. Parker, 1975	Junee Cave area	ASF KID, 1985
JF-111	Unexplored?	Fifteen Seconds	TCC, 1977	NW of JF-99	ASF KID, 1985
JF-112	Partially explored	The Slot	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-113			TCC, 1977	Junee Cave area	ASF KID, 1985
JF-114	Partially explored	Tom Hallams Cave	TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-115		Terrys Debut	TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-116			TCC, 1977	Settlement area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-117			TCC, 1977	Settlement area	ASF KID, 1985
JF-118			TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-119			TCC, 1978	Gells Lookout area	ASF KID, 1985
JF-120	Unexplored		J. Parker, 1977	Gells Lookout area	ASF KID, 1985
JF-121			TCC, 1977	Junee Cave area	ASF KID, 1985
JF-122			TCC, 1977	Junee Cave area	ASF KID, 1985
JF-123	Unexplored	Deep Throat	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-124	Partially explored		TCC, 1977	Junee Cave area	ASF KID, 1985
JF-125	Partially explored		TCC, 1977	Junee Cave area	ASF KID, 1985
JF-126	Partially explored		TCC, 1977	Junee Cave area	ASF KID, 1985
JF-127	Partially explored	Murder Pot	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-128	Partially explored	Deep Pot	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-129	"Train Tunnel"	Washout Cave	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-130		Dewhurst Quarry Cave	TCC, 1977	Cave Hill area	ASF KID, 1985
JF-131			TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-132	Unexplored		TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-133	Unexplored		TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-134			TCC, 1977	Gells Lookout area	ASF KID, 1985
JF-135	Unexplored		TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-136	Partially explored		TCC, 1977	Chrisps Creek area	ASF KID, 1985
JF-137	Unexplored		TCC, 1977	Junee Cave area	ASF KID, 1985
JF-138			TCC, 1977	Junee Cave area	ASF KID, 1985
JF-139		Snake Pit	TCC, 1977	Junee Cave area	ASF KID, 1985
JF-140	Unexplored		TCC, 1978	Junee Cave area	ASF KID, 1985
JF-141			TCC, 1978	Chrisps Creek area	ASF KID, 1985
JF-142			TCC, 1978	Junee Cave area	ASF KID, 1985
JF-143			TCC, 1978	Junee Cave area	ASF KID, 1985
JF-144			TCC, 1978	Junee Cave area	ASF KID, 1985
JF-145			TCC, 1978	Junee Cave area	ASF KID, 1985
JF-146	Unexplored		TCC, 1978	Junee Cave area	ASF KID, 1985
JF-147	"Two Straws Cave"	Peanut Brittle Pot	TCC, 1978	Junee Cave area	ASF KID, 1985
JF-148	Partially explored		TCC, 1978	Junee Cave area	ASF KID, 1985
JF-149			TCC, 1978	Junee Cave area	ASF KID, 1985
JF-150		Gibraltar Cave	TCC, 1978	Gells Lookout area	ASF KID, 1985
JF-151E	Into JF-150	Gibraltar Cave	TCC, 1978	Gells Lookout area	ASF KID, 1985
JF-152E	Into JF-150: Main Entry	Gibraltar Cave	TCC, 1978	Gells Lookout area	ASF KID, 1985
JF-153		Loop Cave	M. Jeffries, 1978	Breganti area	ASF KID, 1985
JF-154		Emu Cave	J. Parker, 1978	Breganti area	ASF KID, 1985
JF-155			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-156			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-157			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-158			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-159			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-160		Tims Reward	J. Parker, 1978	Breganti area	ASF KID, 1985
JF-161			TCC, 1978		ASF KID, 1985
JF-162	Partially explored		J. Parker, 1978	Junee Cave area	ASF KID, 1985
JF-163			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-164	Partially explored		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-165E	Into JF-87		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-166			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-167			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-168		Ultimate	J. Parker, 1978	Breganti area	ASF KID, 1985
JF-169		Leos Lair	J. Parker, 1978	Breganti area	ASF KID, 1985
JF-170		The Bunker	J. Parker, 1978	Breganti area	ASF KID, 1985
JF-171			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-172			J. Parker, 1978	Breganti area	J. Parker, 1978
JF-173	Into JF-260		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-174E	Into JF-173	Main Entrance	J. Parker, 1978	Breganti area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-175	Into JF-260		SCS	Breganti area	ASF KID, 1985
JF-176			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-177			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-178			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-179			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-180			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-181E	Into JF-180		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-182			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-183			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-184			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-185			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-186			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-187			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-188			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-189			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-190			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-191			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-192			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-193			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-194			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-195		Mushroom Cave	J. Parker, 1978	Settlement area	ASF KID, 1985
JF-196			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-197			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-198			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-199			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-200	Partially explored		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-201		Rescue Pot	Flint & White, 1969	Cave Hill area	ASF KID, 1985
JF-202			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-203		Bone Pit	TCC, 1951	Cave Hill area	ASF KID, 1985
JF-204			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-205			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-206			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-207		Voltera	SCS, 1970	Cave Hill area	ASF KID, 1985
JF-208			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-209	Partially explored		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-210		Sesame I	SCS, 1970	Cave Hill area	ASF KID, 1985
JF-211E	Into JF-210	Sesame 2	SCS, 1970	Cave Hill area	ASF KID, 1985
JF-212	Unexplored		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-213	Unexplored		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-214		Pygmy Cave	TCC, 1960	Cave Hill area	ASF KID, 1985
JF-215		Zulu Pot	SCS, 1970	Cave Hill area	ASF KID, 1985
JF-216	Unexplored		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-217	Unexplored		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-218			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-219			SCS, 1970	Cave Hill area	ASF KID, 1985
JF-220E	Into JF-219		SCS, 1970	Cave Hill area	ASF KID, 1985
JF-221		Owl Pot	SCS, 1970	Mt. Field West area	ASF KID, 1985
JF-222	"Silver Trail Pot 2"		ANM, 1967	Mt. Field West area	ASF KID, 1985
JF-223	"Silver Trail Pot 1"	Tassy Pot	ANM, 1967	Mt. Field West area	ASF KID, 1985
JF-224	"Silver Trail Pot 3"		ANM, 1967	Mt. Field West area	ASF KID, 1985
JF-225		Three Falls Cave	SCS, 1970	Mt. Field West area	ASF KID, 1985
JF-226	Partially explored		SCS, 1967	Mt. Field West area	ASF KID, 1985
JF-227E	Into JF-226		SCS, 1970	Mt. Field West area	ASF KID, 1985
JF-228E	Into JF-402	Trouble Pot (BDTH)	SCS, 1969	Mt. Field West area	ASF KID, 1985
JF-229		Welcome Stranger	SCS, 1969	Lawrence Rivulet area	ASF KID, 1985
JF-230			SCS	Chrisps Creek area	ASF KID, 1985
JF-231			SCS	Chrisps Creek area	ASF KID, 1985
JF-232	Was JF-X42 in KI	Udensala	SCS	Mt. Field West area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-233	Was JF-48/JF-x1 in SE	Troll Hole	D. Morgan, 1988	Junee Cave area	R. Eberhard, 1994
JF-234		Sump Pot	D. Morgan, 1988	Mt. Field West area	R. Eberhard, 1994
JF-235			B. Reid, 1990	Junee Cave area	R. Eberhard, 1994
JF-236		Bunyips Lair	TCC, 1990	Chrisps Creek area	R. Eberhard, 1994
JF-237		Niggly Cave	N. Hume, 1989	Chrisps Creek area	R. Eberhard, 1994
JF-238		Casamassima	TCC, 1990	Chrisps Creek area	R. Eberhard, 1994
JF-239			TCC, 1990	Chrisps Creek area	R. Eberhard, 1994
JF-240			TCC, 1990	Chrisps Creek area	R. Eberhard, 1994
JF-241	Tag issued, 1988	Status unknown			KID records
JF-242	Tag issued, 1988	Status unknown			KID records
JF-243	Tag issued, 1988	Status unknown			KID records
JF-244	Tag issued, 1988	Status unknown			KID records
JF-245	Tag issued, 1988	Status unknown			KID records
JF-246		Pinhead Pot	R. Eberhard, 1993	Junee Cave area	R. Eberhard, 1994
JF-247			R. Eberhard, 1993	Junee Cave area	R. Eberhard, 1994
JF-248		Four Road Swallet	R. Eberhard, 1993	Growling Swallet area	R. Eberhard, 1994
JF-249	Tag issued, 1988	Status unknown			KID records
JF-250	Was JF-X73/ (Hole 10)	Scratch Pot	STC, 1999	near JF-10	DR & JD 1999b/ AG 2000
JF-251				Chrisps Creek area	ASF KID, 1985
JF-252			SCS	Chrisps Creek area	ASF KID, 1985
JF-253			SCS	Chrisps Creek area	ASF KID, 1985
JF-254			SCS, 1971	Chrisps Creek area	ASF KID, 1985
JF-255			R. Eberhard, 1993	Junee Cave area	R. Eberhard, 1994
JF-256			R. Eberhard, 1993	Chrisps Creek area	R. Eberhard, 1994
JF-257			R. Eberhard, 1993	Chrisps Creek area	R. Eberhard, 1994
JF-258			R. Eberhard, 1993	Cave Hill area	R. Eberhard, 1994
JF-259			R. Eberhard, 1993	Junee Cave area	R. Eberhard, 1994
JF-260E	into JF-173/ JF-175		SCS, 1973	Breganti area	ASF KID, 1985
JF-261	Was JF-X80/ (Hole 11)	Itchy Cave	STC, 1999	Junee Cave area	DR & JD 1999b/ AG 2000
JF-262	Was JF-X86/ (Hole 17)	Musk Holow 1	STC, 1999	Junee Cave area	DR & JD 1999d/ AG 2000
JF-263			R. Eberhard, 1993	Chrisps Creek area	R. Eberhard, 1994
JF-264	Was JF-X87/ (Hole 18)	Musk Hollow 2	STC, 1999	Junee Cave area	DR & JD 1999d/ AG 2000
JF-265	Not Allocated				KID records
JF-266	Not Allocated				KID records
JF-267	Not Allocated				KID records
JF-268	Not Allocated				KID records
JF-269	Not Allocated				KID records
JF-270	Not Allocated				KID records
JF-271	Not Allocated				KID records
JF-272	Not Allocated				KID records
JF-273	Not Allocated				KID records
JF-274	Not Allocated				KID records
JF-275	Not Allocated				KID records
JF-276	Not Allocated				KID records
JF-277	Not Allocated				KID records
JF-278	Not Allocated				KID records
JF-279	Not Allocated				KID records
JF-280	Not Allocated				KID records
JF-281	Not Allocated				KID records
JF-282	Not Allocated				KID records
JF-283	Not Allocated				KID records
JF-284	Not Allocated				KID records
JF-285	Not Allocated				KID records
JF-286	Not Allocated				KID records
JF-287	Not Allocated				KID records
JF-288	Not Allocated				KID records
JF-289	Not Allocated				KID records
JF-290	Not Allocated				KID records

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-291	Not Allocated				KID records
JF-292	Not Allocated				KID records
JF-293	Not Allocated				KID records
JF-294	Not Allocated				KID records
JF-295	Not Allocated				KID records
JF-296	Not Allocated				KID records
JF-297	Not Allocated				KID records
JF-298	Not Allocated				KID records
JF-299	Not Allocated				KID records
JF-300	Partially explored		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-301			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-302			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-303	Unexplored		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-304	Unexplored		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-305	Partially explored		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-306	Unexplored		J. Parker, 1978	Breganti area	ASF KID, 1985
JF-307			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-308			J. Parker, 1978	Breganti area	ASF KID, 1985
JF-309			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-310			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-311E	Into JF-310		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-312			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-313			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-314			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-315			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-316			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-317			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-318		Patriot Cave	J. Parker, 1978	Settlement area	ASF KID, 1985
JF-319			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-320			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-321		Pond Cave	J. Parker, 1978	Settlement area	ASF KID, 1985
JF-322			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-323			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-324			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-325			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-326	Partially explored		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-327			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-328			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-329	Partially explored		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-330			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-331	Partially explored		J. Parker, 1978	Settlement area	ASF KID, 1985
JF-332			J. Parker, 1978	Settlement area	ASF KID, 1985
JF-333		Nanwoon Cave	D. Wilson, 1983	Adamsfield Track area	ASF KID, 1985
JF-334			D. Wilson, 1983	Adamsfield Track area	ASF KID, 1985
JF-335	Unexplored		D. Wilson, 1983	Adamsfield Track area	ASF KID, 1985
JF-336	Partially explored		D. Wilson, 1983	Adamsfield Track area	ASF KID, 1985
JF-337E	Was JF-X41in KI	Slaughterhouse Pot/GS	TCC, 1972	Growling Swallet area	ASF KID, 1985
JF-338		Lost Pot	TCC, 1983	Growling Swallet area	ASF KID, 1985
JF-339	Was JF-X43 in KI	Briggs Squeeze	TCC, 1980	Settlement area	ASF KID, 1985
JF-340			TCC, 1979	Stan Murray area	ASF KID, 1985
JF-341		Threefortyone	TCC, 1979	Junee Cave area	ASF KID, 1985
JF-342	Partially explored		TCC, 1979	Junee Cave area	ASF KID, 1985
JF-343				Growling Swallet area	ASF KID, 1985
JF-344E	Into JF-36	Serendipity (GS)	S. Eberhard,1980	Growling Swallet area	ASF KID, 1985
JF-345E	Into JF-36	Ice Tube (GS)	S. Eberhard,1980	Growling Swallet area	ASF KID, 1985
JF-346			S. Eberhard,1980	Growling Swallet area	ASF KID, 1985
JF-347		Frost Pot	TCC, 1981	Growling Swallet area	ASF KID, 1985
JF-348	B&H: Hole 1	Benson Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-349	B&H: Hole 2		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-350	B&H: Hole 3		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-351	B&H: Hole 4	Hedges Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-352	B&H: Hole 5		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-353	B&H: Hole 6	Pitta Patta Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-354	B&H: Hole 7		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-355	B&H: Hole 8	Pox Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-356	B&H: Hole 9	Gunge Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-357	B&H: Hole 10		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-358	B&H: Hole 12		TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-359			S. Eberhard,1981	Growling Swallet area	ASF KID, 1985
JF-360E	Into JF-36/ 345	Ice Tube/ (GS)		Growling Swallet area	ASF KID, 1985
JF-361			A. Goede, 1984	Growling Swallet area	ASF KID, 1985
JF-362	Was JF-X40 in KI	Settlement Cave	TCC, 1971	Settlement area	ASF KID, 1985
JF-363E	Into JF-362	Settlement Cave	TCC, 1971	Settlement area	ASF KID, 1985
JF-364		Tarn Creek Swallet	SCS	Cave Hill area	ASF KID, 1985
JF-365	Was JF-X39 in KI	Satans Lair	SCS	Cave Hill area	ASF KID, 1985
JF-366		Asteroid Pot		Growling Swallet area	ASF KID, 1985
JF-367	Was JF-X35 in KI	The Dungeon	TCC, 1955	Growling Swallet area	ASF KID, 1985
JF-368		Armadillo Pot		Growling Swallet area	ASF KID, 1985
JF-369				Growling Swallet area	ASF KID, 1985
JF-370		Mongrel Pot		Growling Swallet area	ASF KID, 1985
JF-371	"Florentine Pot"	Flick Mints Hole	M. Flint, 1984	Growling Swallet area	ASF KID, 1985
JF-372	Was JF-X45 in KI	Slimy Slot	TCC, 1983	Growling Swallet area	ASF KID, 1985
JF-373	Impenetrable	Punishment Pot		Growling Swallet area	ASF KID, 1985
JF-374				Growling Swallet area	ASF KID, 1985
JF-375E	Into JF-344	Serendipity		Growling Swallet area	ASF KID, 1985
JF-376		Varmint Pot		Growling Swallet area	ASF KID, 1985
JF-377				Growling Swallet area	ASF KID, 1985
JF-378	Was JF-X46/ (B&H:11)	Menage-A-Trois	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-379	Was JF-X47/ (B&H:13)	Gash Pot	TCC, 1982	Growling Swallet area	ASF KID, 1985
JF-380				Growling Swallet area	ASF KID, 1985
JF-381				Growling Swallet area	ASF KID, 1985
JF-382				Growling Swallet area	ASF KID, 1985
JF-383E	Connects JF-203	Bone Pit Upper Entrance	TCC, 1985	Cave Hill area	R. Eberhard, 1985
JF-384		Eagle Pot	TCC, 1985	Growling Swallet area	R. Eberhard, 1985
JF-385	Impentrable swallet	Wherrets Swallet One	TCC, 1985	Wherrets Lookout.	R. Eberhard, 1985
JF-386	Impentrable swallet	Wherrets Swallet Two	TCC, 1985	near JF-385/ GS area	R. Eberhard, 1985
JF-387		Porcupine Pot	TCC, 1982	Mt. Field West area	R. Eberhard, 1985
JF-388	Streamsink		TCC, 1982	Mt. Field West area	R. Eberhard, 1985
JF-389		Snow Person Pot	TCC, 1985	near JF-232 track	R. Eberhard, 1985
JF-390		Lawrence Creek Rising	TCC, 1984	Settlement area	R. Eberhard, 1985
JF-391		Gelignite Pot	TCC, 1985	Growling Swallet area	R. Eberhard, 1986a
JF-392	Warhole	Warhol	TCC, 1985	Growling Swallet area	R. Eberhard, 1986a
JF-393			TCC, 1985	Growling Swallet area	R. Eberhard, 1986a
JF-394			TCC, 1985	Growling Swallet area	R. Eberhard, 1986a
JF-395			TCC, 1985	Growling Swallet area	R. Eberhard, 1986a
JF-396	Streamsink		TCC, 1985	East of The Slip	R. Eberhard, 1986a
JF-397			TCC, 1985	East of The Slip	R. Eberhard, 1986a
JF-398	Unexplored swallet		TCC, 1985	East of The Slip	R. Eberhard, 1986a
JF-399			TCC, 1986	Growling Swallet area	R. Eberhard, 1986b
JF-400			TCC, 1986	Growling Swallet area	R. Eberhard, 1986b
JF-401			TCC, 1986	Growling Swallet area	R. Eberhard, 1986b
JF-402	Was JF-X32	Burning Down The House		Mt. Field West area	R. Eberhard, 1994
JF-X1			TCC	Junee Cave area	ASF KID, 1985
JF-X2			TCC, 1962	Junee Cave area	ASF KID, 1985
JF-X3	Unexplored		SCS	Chrisps Creek area	ASF KID, 1985
JF-X4	Unexplored		SCS	Chrisps Creek area	ASF KID, 1985

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-X5	Unexplored		SCS	Chrisps Creek area	ASF KID, 1985
JF-X6	Unexplored		SCS		ASF KID, 1985
JF-X7			SCS		ASF KID, 1985
JF-X8			SCS	Mt. Field West area	ASF KID, 1985
JF-X9			SCS	Cave Hill area	ASF KID, 1985
JF-X10			SCS	Cave Hill area	ASF KID, 1985
JF-X11			SCS	Cave Hill area	ASF KID, 1985
JF-X12			SCS	Cave Hill area	ASF KID, 1985
JF-X13			TCC, 1969	Junee Cave area	ASF KID, 1985
JF-X14			TCC, 1957	Cashions Creek area	ASF KID, 1985
JF-X15			TCC	Breganti area	ASF KID, 1985
JF-X16			SCS	Cave Hill area	ASF KID, 1985
JF-X17	Unexplored		SCS	Cave Hill area	ASF KID, 1985
JF-X18	Unexplored		SCS	Junee Cave area	ASF KID, 1985
JF-X19			SCS	Lawrence Rivulet area	ASF KID, 1985
JF-X20			SCS	Cave Hill area	ASF KID, 1985
JF-X21	Unexplored		TCC	Junee Cave area	ASF KID, 1985
JF-X22				Junee Cave area	ASF KID, 1985
JF-X23				Lawrence Rivulet area	ASF KID, 1985
JF-X24	Unexplored		SCS	Chrisps Creek area	ASF KID, 1985
JF-X25	Unexplored			Chrisps Creek area	ASF KID, 1985
JF-X26	Unexplored		SCS	Cave Hill area	ASF KID, 1985
JF-X27			TCC, 1971	Settlement area	ASF KID, 1985
JF-X28	Unexplored			Chrisps Creek area	ASF KID, 1985
JF-X29	Partially explored		SCS	Chrisps Creek area	ASF KID, 1985
JF-X30	Unexplored		SCS	Lawrence Rivulet area	ASF KID, 1985
JF-X31			SCS	Lawrence Rivulet area	ASF KID, 1985
JF-X32	now JF-402	Burning Down the House	SCS	Mt. Field West area	ASF KID, 1985
JF-X33	Unexplored		SCS	Mt. Field West area	ASF KID, 1985
JF-X34			SCS	Mt. Field West area	ASF KID, 1985
JF-X36		Frog Pot	SCS	Junee Cave area	ASF KID, 1985
JF-X37		Grot Grovel	SCS	Chrisps Creek area	ASF KID, 1985
JF-X38		Rotten Cave	SCS	Cave Hill area	ASF KID, 1985
JF-X44		Ring Hole	TCC, 1982	Cave Hill area	ASF KID, 1985
JF-X49	Was "JF-X2" in SE	Cheris Cave	S. Eberhard	Breganti area/Frizons	S. Eberhard et al, 1991
JF-X50	Was "JF-X3" in SE		S. Eberhard		S. Eberhard et al, 1991
JF-X51	Was "JF-X4" in SE		S. Eberhard		S. Eberhard et al, 1991
JF-X52	Was "JF-cave" in SE		S. Eberhard		S. Eberhard et al, 1991
JF-X53	Was "JF-X6" in SE	Wherretts Cave	S. Eberhard	Chrisps Creek area	S. Eberhard et al, 1991
JF-X54			SCS	near JF-129	J. Hawkins-Salt, 1997
JF-X55	TL-32? in Drysdale 92	Coles Creek Cave	R. Eberhard, 1990	Coles Creek area	QVM cave fauna records
JF-X56		Snail Pot	VSA, 1988	South of JF-345	VSA cave report
JF-X57		Bone Cleft	VSA, 1988	NW of JF-345	VSA cave report
JF-X58		Cleobora Cave	P. Schofield, 1997	Settlement Rd. area	P. Schofield, 1997
JF-X59		Un-tagged Cave	STC, 1998	Settlement Rd. area	S. Baker, 1997.
JF-X60		Tiny Hole	Rasch, 1997	near Chairman track	D. Rasch,1997
JF-X61	Benson & Hedges	B&H: Hole 14	STC, 1998	Growling Swallet area	J. Butt, 1998
JF-X62	Benson & Hedges	B&H: Hole 15	STC, 1998	Growling Swallet area	J. Butt, 1998
JF-X63		Kangaroo Cave	STC, 1998	near JF-371	D. Rasch, 1998
JF-X64	From SS:312	Hole 1	STC, 1999	near JF-365	J. Butt, 1999a
JF-X65	From SS:312	Hole 2	STC, 1999	Junee Quarry Road	J. Butt, 1999a
JF-X66	Hole 3 in SS:314	Oxhole	STC, 1999	KD traverse	J. Butt, 1999b
JF-X67	Hole 4 in SS:314	Stonefish	STC, 1999	KD traverse	J. Butt, 1999b
JF-X68	Hole 5 in SS:314	Runny Right Nostril	STC, 1999	KD traverse	J. Butt, 1999b
JF-X69	Hole 5A in SS:314	Left Nostril	STC, 1999	KD traverse	J. Butt, 1999b
JF-X70	Hole 6 in SS:314	Peanut Paste	STC, 1999	KD traverse	J. Butt, 1999b
JF-X71	Hole 7 in SS:314	Bethin	STC, 1999	KD traverse	J. Butt, 1999b
JF-X72	Hole A2 in SS:315	Hole 8	TCC, 1986	near KD	Butt, 1999b/DR&JD, 1999a

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-X74	From SS:315	Hole A1	STC, 1999	near KD	D.R.&J.D., 1999a
JF-X75	From SS:315	Hole A3	STC, 1999	near JF-10	D.R.&J.D., 1999a
JF-X76	From SS:315	Hole A4	STC, 1999	near JF-10	D.R.&J.D., 1999a
JF-X77	From SS:315	Hole A5	STC, 1999	near JF-10	D.R.&J.D., 1999a
JF-X78	From SS:315	Hole A6	STC, 1999	near JF-10	D.R.&J.D., 1999a
JF-X79	Hole A7 in SS:315	Not HGH	STC, 1999	South of JF-10	D.R.&J.D., 1999a
JF-X81	From SS:315/ JF-21(?)	Hole 12	STC, 1999	near JF-10	D.R. & J.D., 1999c
JF-X82	From SS:315	Hole 13	STC, 1999	near JF-10	D.R. & J.D., 1999c
JF-X83	From SS:315	Hole 14	STC, 1999	near JF-10	D.R. & J.D., 1999c
JF-X84	Hole 15 in SS:315	Stuck Hole	STC, 1999	near JF-10	D.R. & J.D., 1999c
JF-X85	From SS:315	Hole 16	STC, 1999	near JF-10	D.R. & J.D., 1999c
JF-X88	From SS:317	Hole 19	STC, 1999	near JF-10	J. Butt, 2000a
JF-X89	From SS:317	Hole 20	STC, 1999	near JF-10	J. Butt, 2000b
JF-X90	From SS:317	Hole 21	STC, 1999	near JF-10	J. Butt, 2000b
JF-X91	SS: 317-p. 12	Hole 22	STC, 1999	near JF-10	J. Butt, 2000c
JF-X92	SS: 317-p. 12	Hole 23	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X93	SS: 317-p. 12	Hole 24	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X94	SS: 317-p. 12	Hole 25	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X95	SS: 317-p. 12	Hole 26	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X96	SS: 317-p. 12	Hole 27	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X97	SS: 317-p. 12	Hole 28	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X98	SS: 317-p. 12	Hole 29	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X99	SS: 317-p. 12	Hole 30	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X100	(Hole 31)	Nettle Trap	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X101	SS: 317-p. 12	Hole 32	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X102	(Hole 33)	Knee Deep	STC, 2000	near JF-10/ JF-250	J. Butt, 2000c
JF-X103	SS: 317-p. 12	Hole 34	STC, 2000	in "new" gully	J. Butt, 2000c
JF-X104	Dry valley headwall		STC, 2000	near Hole 29	J. Butt, 2000c
JF-X105			TCC-MB, 1975	Florentine River/F11 Rd	L. Moody, 1975
JF-X106			TCC-MB, 1975	Florentine River/F11 Rd	L. Moody, 1975
JF-X107			TCC-MB, 1975	Florentine River/F11 Rd	L. Moody, 1975
JF-X108	TL-1 in Drysdale, 92		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X109	Streamsink (TL-4)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X110	TL-8 in Drysdale, 92	Skinny Thin Pins Cave	R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X111	Streamsink (TL-13)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X112	TL-14 in Drysdale, 92	Devils Cave	R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X113	TL-15 in Drysdale, 92		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X114	TL-16 in Drysdale, 92		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X115	Streamsink (TL-17)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X116	Streamsink (TL-18)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X117	Streamsink (TL-20)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X118	Streamsink (TL-21)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X119	Streamsink (TL-22)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X120	TL-23 in Drysdale, 92	Horrible Accident Cave	R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X121	TL-32 in Drysdale, 92	Follets Swallet	R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X122	Cenote (TL-37)		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X123	TL-32 in Drysdale, 92		R. Drysdale	Coles Creek area	R. Drysdale, 1992
JF-X124		Frodshams Cave	Twelvetrees, 1908	Adamsfield Track area	R. Eberhard, 1996
JF-X125			A. Goede, 1977	near JF-134	R. Eberhard, 1996
JF-X126			R. Eberhard	near JF-119	R. Eberhard, 1996
JF-X127	Un-named Cave 7		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X128	Un-named Cave 8		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X129	Un-named Cave 9		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X130	Un-named Cave 10		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X131	Un-named Cave 11		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X132	Un-named Cave 12		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X133	Un-named Cave 13		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X134	Un-named Cave 14		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-X135	Un-named Cave 15		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X136	Un-named Cave 16		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X137	Un-named Cave 17		R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X138		VSA Cave	J. Davis, 1995	near JF-229	R. Eberhard, 1996
JF-X139	Streamsink to JF-229	Westfield Streamsink 2	R. Eberhard	Lawrence Rivulet area	R. Eberhard, 1992; 1996
JF-X140			R. Eberhard	Stan Murray area	R. Eberhard, 1996
JF-X141			R. Eberhard	Stan Murray area	R. Eberhard, 1996
JF-X142		G10-2	D. Wilson, 1983	Cashions Creek area	R. Eberhard, 1996
JF-X143			R. Eberhard	Cashions Creek area	R. Eberhard, 1996
JF-X144			R. Eberhard	Cashions Creek area	R. Eberhard, 1996
JF-Z1	possibly JF-1(?)		TCC, 1987	near JF-8	R. Eberhard, 1994
JF-Z2		Grandstand Pot	TCC, 1971	near JF-29	R. Eberhard, 1994
JF-Z3			TCC, 1971	near JF-Z2	R. Eberhard, 1994
JF-Z4			TCC, 1971	near JF-29	R. Eberhard, 1994
JF-Z5			TCC, 1985	near JF-34	R. Eberhard, 1994
JF-Z6			S. Eberhard, 1986	near JF-10	R. Eberhard, 1994
JF-Z7			S. Eberhard, 1986	near JF-10	R. Eberhard, 1994
JF-Z8	partially explored		S. Eberhard, 1986	near JF-10	R. Eberhard, 1994
JF-Z9	unexplored?		S. Eberhard, 1986	near JF-10	R. Eberhard, 1994
JF-Z10			TCC	near JF-10	R. Eberhard, 1994
JF-Z11	unexplored?		TCC	near JF-Z10	R. Eberhard, 1994
JF-Z12			J. Parker, 1977	near JF-8	R. Eberhard, 1994
JF-Z13			SCS, 1988	near JF-34	R. Eberhard, 1994
JF-Z14			SCS, 1988	near JF-34	R. Eberhard, 1994
JF-Z15	"Old Junee Caves"		M. Jeffries	Tyenna River	R. Eberhard, 1994
JF-Z16	"#1"		TCC, 1993	JF-34 area	R. Eberhard, 1994
JF-Z17	"#2"		TCC, 1993	JF-34 area	R. Eberhard, 1994
JF-Z18	"#3"		TCC, 1993	JF-34 area	R. Eberhard, 1994
JF-Z19			TCC	Sunshine Road area	R. Eberhard, 1994
JF-Z20			TCC	near JF-Z19	R. Eberhard, 1994
JF-Z21	Unexplored?		TCC	near JF-203	R. Eberhard, 1994
JF-Z22			TCC	near JF-218	R. Eberhard, 1994
JF-Z23	Unexplored?	Elusive Pot	M. Jeffries	east of Wherrets Slip	R. Eberhard, 1994
JF-Z24			C. Davies, 1986	east of Wherrets Slip	R. Eberhard, 1994
JF-Z25			C. Davies, 1986	near JF-Z24	R. Eberhard, 1994
JF-Z26			C. Davies, 1986	near JF-Z24	R. Eberhard, 1994
JF-Z27			C. Davies, 1986	near JF-Z24	R. Eberhard, 1994
JF-Z28			C. Davies, 1986	near JF-25-27	R. Eberhard, 1994
JF-Z29			B. Reid, 1989	near JF-236	R. Eberhard, 1994
JF-Z30			A. Goede, 1989	near JF-236	R. Eberhard, 1994
JF-Z31	Unexplored		N. Hume, 1989	near JF-236	R. Eberhard, 1994
JF-Z32	Unexplored		N. Hume, 1989	in JF-Z31 doline	R. Eberhard, 1994
JF-Z33			N. Hume, 1989	Chrisps Creek area	R. Eberhard, 1994
JF-Z34	Unexplored?		TCC, 1990	near JF-237	R. Eberhard, 1994
JF-Z35	Unexplored?		TCC, 1990	near JF-237	R. Eberhard, 1994
JF-Z36	Unexplored?		R. Eberhard	JF-Z76 area	R. Eberhard, 1994
JF-Z37	Unexplored?		R. Eberhard	JF-Z76 area	R. Eberhard, 1994
JF-Z38	Unexplored?		R. Eberhard	JF-Z76 area	R. Eberhard, 1994
JF-Z39			R. Eberhard	east of Wherrets Slip	R. Eberhard, 1994
JF-Z40			R. Eberhard	adjacent to JF-Z39	R. Eberhard, 1994
JF-Z41			R. Eberhard	west of JF-263	R. Eberhard, 1994
JF-Z42			R. Eberhard	east of JF-263	R. Eberhard, 1994
JF-Z43			R. Eberhard	east of JF-Z42	R. Eberhard, 1994
JF-Z44			R. Eberhard	east of JF-Z43	R. Eberhard, 1994
JF-Z45			R. Eberhard	east of JF-Z44	R. Eberhard, 1994
JF-Z46			R. Eberhard	east of JF-Z45	R. Eberhard, 1994
JF-Z47			R. Eberhard	east of JF-Z46	R. Eberhard, 1994
JF-Z48			R. Eberhard	east of JF-Z47	R. Eberhard, 1994

Number	KID History	Cave Name	Discovery	Approx area	Data Source
JF-Z49			R. Eberhard	east of JF-Z48	R. Eberhard, 1994
JF-Z50			R. Eberhard	near JF-Z49	R. Eberhard, 1994
JF-Z51			R. Eberhard	near JF-237	R. Eberhard, 1994
JF-Z52	Unexplored?		R. Eberhard	near JF-256	R. Eberhard, 1994
JF-Z53			R. Eberhard	west of JF-Z52	R. Eberhard, 1994
JF-Z54			R. Eberhard	west of JF-Z53	R. Eberhard, 1994
JF-Z55			R. Eberhard	west of JF-Z54	R. Eberhard, 1994
JF-Z56	= JF-X53	Wherretts Cave	S. Eberhard	Chrisps Creek area	R. Eberhard, 1994
JF-Z57			TCC, 1986	near JF-345	R. Eberhard, 1994
JF-Z58			TCC, 1985	near JF-376	R. Eberhard, 1994
JF-Z59			TCC, 1985	b/w JF-344 & JF-345	R. Eberhard, 1994
JF-Z60			C. Davies, 1986	500m east of JF-118	R. Eberhard, 1994
JF-Z61			C. Davies, 1986	500m east of JF-118	R. Eberhard, 1994
JF-Z62			C. Davies, 1986	500m east of JF-118	R. Eberhard, 1994
JF-Z63			C. Davies, 1986	500m east of JF-118	R. Eberhard, 1994
JF-Z64	Draughting Crevice		TCC, 1972	south of JF-37	R. Eberhard, 1994
JF-Z65			R. Eberhard	west of JF-Z66	R. Eberhard, 1994
JF-Z66			R. Eberhard	west of JF-386	R. Eberhard, 1994
JF-Z67			R. Eberhard	downhill from JF-Z66	R. Eberhard, 1994
JF-Z68	Unexplored?		R. Eberhard	downhill from JF-Z67	R. Eberhard, 1994
JF-Z69	Unexplored?		R. Eberhard	near McCullums Track	R. Eberhard, 1994
JF-Z70	Draughting crevice	Wind Hole	R. Eberhard	south of JF-11	R. Eberhard, 1994
JF-Z71	Impenetrable sink		R. Eberhard	near JF-255	R. Eberhard, 1994
JF-Z72	Streamsink		R. Eberhard	JF-29 area	R. Eberhard, 1994
JF-Z73	Streamsink		N. Hume, 1991	near JF-246	R. Eberhard, 1994
JF-Z74	Streamsink		N. Hume, 1991	Junee Quarry Road	R. Eberhard, 1994
JF-Z75	Streamsink		N. Hume, 1991	b/w JF-258 & JF-365	R. Eberhard, 1994
JF-Z76	Streamsink	Chrisps Creek Swallet	N. Hume, 1991	Chrisps Creek area	R. Eberhard, 1994
JF-Z77	Unexplored? Sink		R. Eberhard	near JF-Z49	R. Eberhard, 1994
JF-Z78	Unexplored? Sink		R. Eberhard	near JF-Z79	R. Eberhard, 1994
JF-Z79	Streamsink	North Chrisps Swallet	N. Hume, 1991	Chrisps Creek area	R. Eberhard, 1994
JF-Z80	Streamsink		R. Eberhard	near JF-Z49	R. Eberhard, 1994
JF-Z81	Streamsink	The Slip Swallet	N. Hume, 1991	Chrisps Creek area	R. Eberhard, 1994
JF-Z82	Streamsink		N. Hume, 1991	near JF-257	R. Eberhard, 1994
JF-Z83	Streamsink		R. Eberhard	near JF-Z55	R. Eberhard, 1994
JF-Z84	Streamsink		R. Eberhard	west of JF-344	R. Eberhard, 1994
JF-Z85	Minor seepage		R. Eberhard	above JF-395	R. Eberhard, 1994
JF-Z86	Streamsink		R. Eberhard	near JF-354	R. Eberhard, 1994
JF-Z87	Streamsink		R. Eberhard	near JF-37 doline	R. Eberhard, 1994
JF-Z88	Streamsink		R. Eberhard	doline near JF-376	R. Eberhard, 1994
JF-Z89	Muddy seepage		R. Eberhard	above JF-345	R. Eberhard, 1994
JF-Z90	Streamsink		R. Eberhard	near JF-35	R. Eberhard, 1994
JF-Z91	Streamsink		R. Eberhard	near JF-387 track	R. Eberhard, 1994
JF-Z92		Stink Hole	M. Jeffries	near JF-114 & JF-115	R. Eberhard, 1994

***STC** has caving lamps and helmets available for hire to Schools, Scouts and other groups with responsible caving leaders. Contact the Equipment Officer: **Jeff Butt** on **03 6223 8620** for details.*

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Sealed Lead Acid (Gell cell) Caving Lamp.

Reconditioned Oldham headpiece connected to a new Yuasa 6 Volt/7 Amp. Hr. sealed lead acid (gell cell) in an Oldham battery case. Belt included. Very reliable. A robust and inexpensive light to cave by. Runs for 14 hours at 3W. $140. ($10 extra for QH option).

Sewer Pipe Caving Lamp.

Reconditioned Oldham headpiece connected to a 3 D-cell Sewer Pipe battery case, with belt. Run on Nicads (8 hr duration) or Alkaline (18 hr duration) batteries. If you prefer an even smaller battery case, then a 2 D-cell option is available. Very sturdy and compact light; great for expeditions or international travel (you can get D-cells anywhere). Belt included. $140. (Batteries not included. $10 extra for QH option).

Gell Cell Charger.

Through the headpiece charging; small, robust and portable, runs off the mains or plugs into a car lighter socket. LED's indicate charging status. $80.

QH Cave Blaster light (Really SEE the cave!)

50 (or 20) Watt QH dichroic bulb mounted in a PVC fitting. Convenient to hold in your hand. Secure switch that will not allow a Chernobyl in your pack! Runs off a 12 Volt sealed lead acid battery (extra) $25.

Publications

- "Caving Safety 1 Manual", 92 pages, covers Planning, Safety, Maps, Gear, Rigging, Emergencies etc.
- Back Issues of Southern Caver, Speleo-Spiel. There are various issues available. Please contact the Librarian, Greg Middleton (gregmi@delm.tas.gov.au) with your requirements.

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- CAVE PACKS, 25 litre volume, made from Heavy duty yellow PVC material, double thickness material at wear points, strong seams, drain holes, large diameter eyelet's, adjustable straps. Good Value. **$50.00 each**
- Aluminium Bars for Rappel Racks. **$5.00 each**
- 5 cm (2") plastic Tri-glide buckles, ideal for battery belts, cave packs etc.) **$0.80 each**

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- Edelrid 25 mm tubular tape. Ideal for rigging, chest harnesses etc. (White)..... **$2.00 per m**
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- Metal Lamp Brackets, complete with fixing rivets and cable keeper..... **$7.00 each**
- Plastic Lamp Brackets, used but in good condition. Comes with fixing screws ..... **$2.00 each**
- Alkaline 4.5 Volt 'flat-pack' batteries (for Petzl Zoom's etc.) .... **SPECIAL!!! $7.00 each**
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