

STC officers

President, &

Public officer:

Steve Bunton

Ph: (03) 62 782398 (h)

sbunton@postoffice.friends.tas.edu.au

Vice President:

Liz Canning

Ph: (03) 62 237088 (h)

Elizabeth.Canning@dpiwe.tas.gov.au

Secretary:

Ric Tunney

Ph: (03) 62 435415 (h)

Ric.J.Tunney@team.telstra.com

Treasurer:

Steve Phipps

Ph: (03) 62233939 (h)

sjhipps@utas.edu.au

Equipment Officer, &

S&R Officer

Jeff Butt

Ph: (03) 62 238620 (h)

jeffbutt@netspace.net.au

Librarian:

Greg Middleton

Ph: (03) 62 231400 (h)

gregmid@one.net.au

Editor:

Joseph Farrell

Ph: (03) 62 253839

vfarrell@postoffice.utas.edu.au

Webmaster:

Arthur Clarke

Ph: (03) 62 282099 or 62 981107 (h)

arthurc@southcom.com.au

Web Site:

<http://www.tased.edu.au/tasonline/scaving/>

Front Cover:

Geared up for rescuing at CAVEX 2001: L-R: Janine Mckinnon, Anna Greenham, an ambo guy & the editor. Photo by Arthur Clarke.

Back Cover:

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/>

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The views expressed in the Speleo Spiel are not necessarily the views of the Editor, or of the Southern Tasmanian Caverneers Incorporated.

Issue No. 327, Oct – Nov. 2001

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Edimatorial

Well, here's a Speleo Spiel. My apologies for its minor lateness but I really couldn't pass up that "short notice/all expenses" chance to volunteer on Flinders Island for a couple of weeks. I had a fantastic time island hopping, bushwalking and wrestling mutton birds - even went caving in Flinder's only cave! (privately owned). A trip report on that next Spiel.

There have been some major club events recently. The AGM and Annual Dinner feature in this Spiel while CAVEX will be covered next issue. These occasions have provided some great social interaction and opportunities for newer members (including myself) to see inside STC as a club rather than simply people on trips. It would have been nice to see more people at the dinner - we had a bonza time.

STC and Mole Creek Caving Club have been socialising underground and above it lately. I think this is a good thing which can only strengthen our fragmented Tassie caving community. I have heard from members of both clubs that they are keen to do more caving at the other end of the state. Obviously local knowledge from local clubs is the best way to achieve this. STC's recent trip (see "Muck'n around at Mole Creek, pp.) was a success for exactly this reason. Thanks to Deb for liaising with land-owners on our behalf. May there be more jolly interaction.

A big "thank ye" to the people who've contributed generously with advice, patience and material making my first entire spiel much easier. They include Steve Phipps, Arthur Clarke and Jeff Butt. And a happy Christmas to everyone in STC!

STC AGM Summary

Our Annual General Meeting was held at 8pm in the Gear Store at Jeff Butts house on November 7th. 'Twas an uncomplicated affair with ample nibbles to share between the 17 of us.

Reports from most of the outgoing office bearers are found in this Spiel. The Ric Tunney secretary's report is so unsophisticated its here: "We got some mail, we sent some mail - what more is there to say?" The minutes taken by Arthur Clarke have been posted to the list server. See Arthur if you missed them.

Motions that were moved pertain to:

- Introduction of a nominal trip fee
- Increase of subscription rates
- Increase of gear hire fees
- Setting of Spiel subscription to \$25
- Creation of a discount for opting to receive the Spiel electronically
- Election of new office bearers

Motions that were deferred pertain to:

- Life members to receive only an electronic Spiel.

Our president Steve Bunton rolled up just in time to declare the AGM closed. A normal meeting was held immediately afterwards.

Congratulations to the following positions who selected their people (vice versa in some cases).

The Executives:

President: Steve Bunton
Vice-President: Janine McKinnon
Secretary: Ric Tunney
Minute Secretary: Arthur Clarke
Treasurer: Steve Phipps

The Committee:

Scientific Officer: Albert Goede
Public Officer: Steve Bunton
Search & Rescue Officer: Jeff Butt
QM/ Equipment Officer: Jeff Butt
Speleo Spiel Editor: Joe Farrell
Karst Index Officer: Arthur Clarke
Archivist/ Librarian: Greg Middleton
Map Archivist: Trevor Wailes
Webmaster: Arthur Clarke
List Server Manager: Arthur Clarke
Electronic Archivist: Hugh Fitzgerald
Social Secretary: Robyn Claire, with Jol Desmarchelier as "Under Secretary"
(perhaps responsible for underground social occasions)

Forward Program:

This is a small forward program due to festive season irregularity. Y'd better keep an eye on y' email.

Wed 12 December, SRT practise and fun at Fruehauf Quarry.

Sat & Sun 15/16 December: Threefortyone (JF-341) cave rehab and Nine Road maintenance. Staying Saturday night at Tyenna Valley Lodge. Contact Jeff Butt.

Wed 19 December (social meeting): A BBQ at Ric and Janine's place with possibly a caving video (!) arrive betwix 7 & 8pm.

Wed 6th February, 2002 Next business meeting: There is no January meeting.

March long weekend 2002. Devils Pot - Devils Anastomosis exchange trip at Mole Creek with a Northern club. Stay at Northern Caverneers hut.

Stuff 'n Stuff

Subscriptions for 2001/2.

Subscriptions for 2001/2 are now due and prompt payment would be appreciated. There is no longer a discount simply for prompt payment. Additionally, you need to opt to receive the Speleo Spiel electronically (and still pay within three months of the AGM i.e. by 7 February 2002). The membership renewal form with the new rates is on page 22. If you opt to get your spiel electronically you will need to provide Steve Phipps or myself with an email address.

Speleo Spiel - Issue 327, October-November 2001.

A number of important decisions were made at the recent AGM, as a result of the club's tricky financial situation. The introductory section of the Treasurer's report that Steve Phipps presented is on page 23 and the full report can be accessed via:

<http://www.antcrc.utas.edu.au/~sjhipps/stc/treasurer/>.

Valley Entrance Lock

PWS have replaced the lock on Valley Entrance and apologise about the problem on the trip of 23 September. They request that future parties take a new lock in with them, and bring out any problematic lock.

Speleoprojects Calendar

Good for a Christmas present. Once again this year, in gratitude for a tax deductible donation to the NSW Cave Rescue Squad you will be mailed a 2002 Speleoprojects calendar. They advise that donations should be in the order of \$35 and sent to:

The NSW Cave Rescue Squad
C/- Grace Matts
176 William St
Bankstown NSW 2200
H Ph: 02 9790 0374
F: 02 9708 4594



More about the calendar at:

<http://www.speleoprojects.com/sp.html>

Spiels On Line

If you're thinking of reducing your STC subscription cost by receiving your Spiels on line you should visit Steve Phipps' web site. Here you will find Speleo Spiels 325 and 326 in PDF format. These PDF files are largish but we are working on making future files smaller. You can also find a zip archive of the original PostScript files in case you want to print these out directly. Steve is keen for feedback if you have any to offer.

<http://www.antcrc.utas.edu.au/~sjhipps/stc/spiel/>

Visiting Cavers

At this time of year we have a great opportunity to show off our amazing caves and earn karma credits by playing host to visiting cavers. Even just a beer at a pub is a gesture that can make a traveler's day.

Dave Hounslow is a UK caver of 6 years. He has been caving recently in NZ with NSG. Is vertically proficient with own gear. Here from 6 Dec to 3 Jan.

david_hounslow@yahoo.com.

Heidi Macklin and friend Jason from the mainland. Have had something to do with MUCG and have caved in Canada. Will be here from Mid December.

heidimacklin@yahoo.com.au

Jay and Ross Anderson are WASG trip leaders and may have an international cave surveyor bod with them. They are SRT proficient and here from 29 Jan to 17 Feb.

rossjay@iinet.net.au

CEGSA and CCV (Caving Club Vic.) are going to be in Tassie during festive season. New Years Eve will be spent with them bonfiring at Deb Hunter's house at Caveside. Deb invites all cavers so why not consider some Mole Creek caving between Xmas and New Year?

dhunter@tassie.net.au

Mark Summers with CRV (Cave Rescue Vic.) will be over in Mid January.

Happenings Not Reported Elsewhere

- Midnight Hole thru trip. Alan Jackson reports on recent pull-through trip with new bolts; rub point 3m from top of bottom 53m pitch. Now fixed.

- Midnight Hole thru trip. Arthur Clarke reports that Ian Houshold & Mark Bryce from DPIWE have recently completed a thru' trip and commend STC (and JB) on good job with bolt replacement.

- Ric Tunney & Janine McKinnon report on a fiasco of getting access key to gate of IB-131 (Old Ditch Road.); not available at Hastings Caves office. They visited Mystery Creek Cave instead; ODR key was found in box at old Parks office in Dover returning to Hobart.

- Sassafras Cave. Arthur Clarke reports a visit with glow-worm entomologist from QLD along with student from WA & Debbie Hunter from Mole Creek.

- Derby Mine Tunnel. Arthur Clarke reports a visit with a glow-worm entomologist from QLD.

- Growling Swallet. Steve Bunton reports of a trip & removal of tree falls along Eight Road plus maintenance along track.

- JF-206. Jeff Butt reports of difficulty in locating Bone Pit - another "lost" JF cave?

- Toilet Block & Picnic Shelter at Maydena. Jeff Butt reports that these facilities adjoining Strathgordon Road near former entrance toll have been bulldozed.

- Sign at entrance to Midnight Hole: A new laminated information sign relating to replacement bolts in Midnight Hole is now being organised by Ian Houshold.

Rumors of New Karst (with bonus caves!) Revealed at Recent Meeting:

Reports of new caves & karst areas discovered in southern Tasmania. Arthur Clarke relates persistent reports from bushwalkers & Forestry workers taking their friends into new caves & karst areas discovered in the Huon, Picton and Weld River areas over last few years; reporting exploration of caves in vicinity of new "Air-walk" at Tahune Park; one cave reportedly surpasses Newdegate Cave. Ric Tunney mentions possibility that Forestry Tasmania may be planning new adventure caving option as tourist adjunct to Airwalk.

Members

Congratulations to the four cavers upon whom STC recently bestowed full membership. They are Anna Greenham, Alan Jackson, Joe Farrell & Tim Rudman.

Welcome to new prospective members Geoff Wise, and David Waugh who works at Mountain Designs.

Dave Rasch still hasn't left for Washington and is good for caving. Although his unfixed departure date is imminent he promises not to disappear without a trace.

President's Report

By Steve Bunton

This has been an interesting half year or so for STC. It has even seen me underground on more occasions than usual. Over the years whilst not caving particularly regularly I have been a willing supporter of the club and this year I was offered the opportunity to serve the club as its President. I realise that there are many who serve the club in their various ways and I would like to thank them all for their numerous and varied contributions, although in a moment I would like to pay tribute to a few of individuals who have guided the club through these interesting times.

For me being President has meant a regular commitment to attend meetings and throughout this year these have been well attended by club members. As well as the Business Meetings we have held regular Social Evenings with slide presentations and these have been well received. We have managed to plan future trips and this has meant a resurgence in our core activity of going caving, although we still find it hard to attract new members to this peculiar pastime. Our newest members all seem to have quite a deal of caving experience already!

The big issue for this year was that of finances and how the club can remain viable with so few active financial members. In this regard Steve Phipps has done a remarkable job in his careful accounting and in imaginative lateral thinking to come up with some longterm solutions to our problems. The subject of finances raised the perennial issue of membership of ASF. Withdrawal from ASF was seen as an easy way of saving money. After much deliberation the club decided to remain in ASF on the ideological grounds that we should support the national caving body and also for the insurance it offered. Ironically as soon as we decided to stay in ASF, basically for the insurance, its insurance scheme collapsed! The advice was that we should stop caving whilst an alternative policy was found. Unfortunately this corresponded to the period when the club was at its most active this year and so we ignored their advice and went caving regardless. (Some of us are old enough to remember the days of caving without insurance when nothing went wrong anyway!) One of Steve's suggestions was to change the STC financial year to bring it into line with ASF's and this resulted in a shorter stint in office for all the office bearers.

Another factor which helped club finances was Albert Goede's generous donation of some of his library for auctioning on behalf of the club. We thank him sincerely for this gesture.

Whilst exploration is the essence of caving and the club is at its strongest when original exploration is being undertaken regularly, my personal concern is in leaving the caves relatively safe for future generations or that our present actions don't create future accidents. In this

regard I have been keen to see the rebolting of several classic sporting caves with new stainless steel glue-in P-hangers. These have a life expectancy beyond mine (and no doubt beyond that of various insurance companies!). This has now been completed in Midnight Hole and other caves should follow soon.

Some original exploration has been done this year and there's still plenty to be done in JF:341. There have been familiarisation trips into a number of caves for the newer members and this will reap longterm benefits. The highlight was probably the recent Kubla Khan trip, it has been a long time since we've had an STC trip through this cave. Trips to Mole Creek could become more frequent if we become more involved in Cavecare. This



Eating chips at the AGM. Steve Bunton says "yes please", Hugh Fitzgerald says "crunch", Jeff Butt isn't hungry and Arthur Clarke has found something on his.

is another endeavour I would like to support fully, although our support is contingent on NPWS giving us sufficient advance warning of the dates of working bees.

The biggest concern this year has been the production of the Spiel and now that this issue has been resolved we are in a position to advertise future trips well in advance. Thanks go to Ric Tunney in his capacity as secretary in formalising the ongoing program. There is certainly some concern, especially with this year's insurance debacle, as to which trips are official club trips and which are not. Whilst I would not like to discourage people from running trips spontaneously, we have found ourselves running several conflicting trips on some weekends and none others and this seems a pity. Whilst the more widespread use of e-mail is convenient for some, I would also encourage the use of more traditional means of communication such as the Spiel and phone calls. Each of these has their respective advantages of longterm certainty and by contrast, immediacy. We are still too small a club to fragment because of lack of effective communication.

I would add that it is my belief that the Ozcavers list server and e-mail chat group have led to the demise of Australian Caver and therefore ASF and I would hate to

see STC follow down this path. I wished that all those people who put fingers to keyboards did so to produce an article worth reading in a journal worth editing or actually ran the editing package themselves. Again a phone call could fix a problem and a whinging e-mail could exacerbate it.

Another significant occurrence this year was Jeff Butts condition which was a salutary lesson to us all. I am so glad that he has made such a remarkable recovery and it is a credit to his fortitude. He is certainly an inspiration to us all. I'd like to thank him yet again for his efforts with the club gear. Had he

been forced to retire (or worse!) he would have been sorely missed but this is not my point. Like Jeff, we all need to get on with our lives and do things because life is short and it can be snatched away so suddenly and unpredictably. So we need to go caving more often and doing it safely with conservation in mind.

STC is a happy and coherent bunch of people who perform their official roles diligently and enjoy one another's company on trips and this is fantastic. As such I would be happy to serve as their President once more.

Editor's Report

By Jeff Butt

The year gone has been a bit of a topsy-turvy one for the Speleo-Spiel. The Editor elected at last years AGM failed to produce a single Spiel; as a result I 'stood-in' and produced Five Speleo Spiels (322 to 326) to ensure that a record of club activities occurred.

On the positive side, Joe Farrell came on board with Speleo-Spiel 326, and he will be taking over as the Editor for the next year.

Over the year the cost of producing and mailing the Spiel has increased. As a result we have rationalised the clubs with whom we exchange publications; especially those in overseas locations. Also, we are going to move to an Electronic format; where members can download the Spiel (probably in PDF format) from our Website for free. A paper copy of the Spiel will still be available for subscribers and any members (including life-members) who wish to receive it; although there will be a charge for this.

Content-wise, I think you will agree that there is always a wide variety of interesting articles in the Spiel; ranging from trip reports to technical articles and general club matters. I think

that overall the Spiel gives a very good summary of what STC does.

On the subject of covers, I sought to have a new picture on the cover of each Spiel, and ideally I sought to have a good photo of a caver and a cave. It is not always easy to find a new cover shot each two months, so anyone out there with some good photos is encouraged to forward them to the Editor for Spiel covers. Over the last year we did not produce any colour covers, even though there were some excellent cover photographs; this was basically to keep costs down.

Anyway, that's enough. I'd like to encourage all potential authors of articles out there to put fingers to keyboard/pen to paper and write up your activities, even though they might not seem like anything much, they do at least give an indication of the activities of STC. I'd also like to encourage authors to get their articles to the Editor well in advance of the deadline, as it makes life for the Editor much easier. Joe, our new Editor will surely appreciate this. Good luck Joe.

Jeff Butt, out-going temporary Editor.

Search & Rescue Officers Report

By Jeff Butt

It is pleasing to report that there have been no incidents over the past year; although it should be pointed out that caving activity over the past year has only been about 50% of the level over recent years.

CAVEX-2001 was scheduled to be held in early May, but unfortunately due to a real Search, had to be cancelled at the last minute. However, we have managed to reschedule CAVEX-2001 for the weekend of November 10/11 at Ida Bay, and there was a practise Stretcher Hauling session at Fruehauf Quarry on the evening of Wednesday October 31st.

At this stage we are planning to make CAVEX-2002 a larger statewide affair, probably to be held in the Junee-Florentine during April 2002. You can expect a much more technical and difficult retrieval problem for this exercise.

By the way, Daylight savings and long-evenings are here again, so on "off-meeting-Wednesdays", training/skills enhancements nights are being held at Fruehauf Quarry, as advertised in the Forward Program in the Speleo-Spiel, so please attend if you can!

Jeff Butt, Search & Rescue Officer

Muck'n around at Mole Creek: Sat & Sun. 17 & 18 November 2001

By Joseph Farrell

Party: Steve Phipps, Anna Greenham, Angela Jackson, me. (and very nearly Hans Benisch who's car inconveniently broke).

The idea of this trip was to have a relaxed weekend trip doing some easy caving at Mole Creek and introducing Steve Anna and Angela to the pretties of some less well known caves. I was particularly keen to see Haile Selassie having walked past the entrance on my way to work for 2 years at one point. All this and more eventuated providing us all with a very jolly WE away.

Angela and myself drove up Friday night because we could. It gave us an opportunity to dangle from the tree at the NC hut the following morning. We had arranged the Haile Selassie permit for the afternoon so Angela needed to learn how to negotiate 9m SRT style. With every confidence she wasn't going to hang herself or fall to her death from the tree I left her to make the inevitable mistakes by herself, and moseyed down to Mole Creek to grab some supplies.

Come the arvo we met Steve and Anna at the King Solomon Cave carpark and trogged up. The entrance pitch though technically 9m is about half slope and half free hang with a

difficult lip to negotiate. Lots of rope protection was needed. Inside Haile Selassie is extremely pretty just like its neighbour King Solomon. We saw some very impressive straw clusters and many thin s'mites over 1m tall. Lots of flowstone including one of a very dark red colour. We pushed some very muddy and small leads at the end of the main rift which I figured was down under King Solomon somewhere. Unfortunately we had to traverse some formation on our return. Haile Selassie should be subjected to some washing on the next trip there. I reckon Parks would gladly provide the stuff.

Exiting was a bit zany with comments from curious tourists on the KS path at the entrance, and gloves falling down pitches etc. Angela was very competent and has a well screwed on head for

This trip was a bit of a fizzer as far as getting other people involved went. Several people were keen to come or to meet with us but everything fell through. So only the four of us got down to some serious cards after dinner. However, we were lucky enough to accompany Deb on part of one of her tours the next day. We kept crossing paths around the reserve which was nice.

At Sassafras Cave Steve, Anna and Angela got a free musical performance under the glow worms while I sat outside trying to electrocute myself with my gel cell. Thereafter I discovered that caving with three bluish/white LEDs is quite safe but does nothing to show up the formation. We exited Sassafras via the chalkily decorated and extremely wombat poeey upper level



L-R: Angela, Anna and Joe in the entrance to Sassafras upper level. (photo by Steve Phipps)

rope work. We removed some quite historic litter from the cave. A tin Fanta can circa 1965., and a similar fruit can. There was more in a smaller out of sight chamber near the entrance. This included light bulbs presumably from King Sol's earlier tourism days, and more tin cans. We had much trouble putting value on this rubbish. Should we leave it in the cave? Should we throw it out? or should Steve take it home and put it in his collection of old things? Hmmm.

We walked to the next cave further down the valley on the other side of King Solomon. This is called Kohinor. Its truly one of my favourite caves. Small as far as caves go but with a huge main chamber which can be challenging to find on a first visit. Tree roots, leads under rockfalls to adjacent caves, daylight hole, exposedish rockfall climbs, and a pustulent looking sump with beautiful green water are highlights of this cave. We lost time as usual and exited on dusk looking forward to a social evening with friends back at the NC hut.

and took some toy-camera photos.

Next we drove further up the paddock closer to Baldocks cave. This is an old tourist cave which operated for only a few years in the 1890s. We made a circuit of the upper levels and checked out the historic fixed carbide installations. Some mondmilch and cave crickets were admired on the exit.

My Cave was spectacular - once Angela found the entrance in right part of the steep and narrow entrance rift. Steve was looking for it at the other end on my advice (don't think I'll find a font small enough to print that in). My Cave is a typical Mole Creek streamway. It's black and cold, but the formation is vera vera pritteye. The water was up somewhat so we piked when it got deep. There must have been something

mysteriously dead in the streamway boot-wash bucket. It stunk and stuck more stuff on to our boots than it took off.

My Cave is has unfortunately been recommended as a good place to take school groups. It is not. The person who recommended it should have known better. The main consequence to date is that Deb has noticed a large decline in the hickie population, but muddying and damage to formations is a significant threat due to the constricted nature of the cave.

On exiting My Cave we found that Deb's guest had a chicken with pox (huh? you say), so we gave it a harness and clipped it into a sling on a tree for fun. We were getting a bit buggered so back at the cars we all fell asleep in the long grass in the windy paddock. But then... we wanted to see Honeycomb Cave. I won't write much about it. If you haven't seen it, its very

accessible, fun, sporty and takes less than an hour, so go on your next trip.

We de-trogged, went to Debs, said bye to Anna, had a cuppa and a peak at League of Gentlemen and drove back to the hut to get no sleep and watch the Leonid meteorite shower. Had a fantastic night, a BBQ, some cards, Steve and I running around pointing cameras at the sky, Angela being an angel and making cuppa's, etc. etc. etc. Great trip, The End.

NOTE: For the immediate future, Honeycomb is publicly accessible but Sassafras, Baldocks (a permit cave) and My Cave are currently under tighter access arrangements through a private land owner. It isn't hard to arrange but you need to speak with Deb first.

Slaughter House Pot Bounce Trip Version 2 (see also #326). 2nd September 2001

Sunday

By Julianne Campbell (MCCC)

Party: Jeff Butt, Joe Farrell, Julianne Campbell, Geoff Wise and Alan Jackson.

8.30am - I was especially looking forward to this trip as it was only the second time I have been caving in the south of the state and the first time in the Junee-Florentine area. It was also the first opportunity for me to test my recently acquired rope skills in an actual cave.

The day started well although we were held up on the last section of track by fallen branches as it had recently been snowing. We cleared most of the track but had to be satisfied with parking the car a couple of hundred meters from the end because of a rather large tree! After a short walk through the forest to warm up we reached the spectacular entrance to Growling Swallet around 11.30 am.

Our original plan was to do a through trip down Slaughterhouse Pot but after going down a short way into Growling Swallet it was clear that there was too much water and we would not be able to get through the last section. What to do? The guys were keen to go down Slaughterhouse Pot anyway and come back out the same way. This is when I began to get a little nervous. I had never really done any 'sporty' type caving and I had only had one practice at ascending on the rope and that was against a cliff, certainly not hanging freely with just the rope. A bit of climbing, squeezing and abseiling, no worries but this sounded like it was to be a major challenge. Joe was the only one who knows my caving capabilities. He was confident I would be fine and I trust his judgment, besides I wasn't going to sit there for 4-6 hours while the others were underground.

So off we went. We entered Slaughterhouse Pot at around 2pm and straight away it was obvious this was not going to be a leisurely stroll through decorated tunnels and grand caverns. I only saw a few straws, a little bit of formation, and mostly mud and rock. It took us about 2 hours to get to the bottom of the third pitch. This was where we were to start heading back out.

Geoff and Allen began the upward journey while Jeff Butt, Joe and I went on a little further. Jeff wanted to check something out (the water level again, I think). I stayed back the last small section to enjoy the darkness and silence for about 10 minutes while Jeff and Joe continued. It wasn't long before I heard them again and we made our way back to the bottom of the third pitch.

By this time I was already starting to get tired. We had been underground for over two hours and even though it had been all down hill the climbing and crawling involved was physically demanding. And then it hit me. The reality of what I faced to get out of that cave was overwhelming. Geoff and Allen were already at the top of the third pitch and Joe was making his way up. I was totally drenched and freezing with 2 degree water raining down on me, I sat down for a moment and felt like crying, "F*#k how the h#@l am I going to get myself out".

Slowly but surely I started to make my way up. The first part of the pitch I was getting used to the gear and trying to develop some kind of technique. I was using club gear which was fine when we were mucking around on the cliffside but I soon found out that near enough is not good enough when you are doing this kind of stuff. We had put a couple of screwgates at the top of the foot loop to give it some extra length (it still was too short to give me maximum efficiency) but the screwgates were knocking against my croll and then somehow the catch on the croll came undone and I came off the rope at my chest. Totally freaked me out! After gaining my composure I continued the slog.

I think that pitch was 19m, the second 18m and the first 25m. I really don't know where I got the strength from to keep going that day, I just kept thinking 'I've gotta get out, I've gotta get out'. I certainly far surpassed what I imagined I was capable of. Luckily Jeff was bringing up the rear and replacing the ropes this day so I did not feel I was holding up the group. One stroke up and rest, another stroke up and rest!

It was about 8.30/9pm when I finally saw the stars. Battered and bruised from head to toe, although I didn't

fully know the extent until the next day when I had thawed out, we made our way back to the car through a magic moonlit forest. It was midnight when we arrived back in Hobart and by the time I got home I was physically and emotionally wrecked.

I have to admit there were times in that cave when I thought I must have been crazy to be there, and I swore I would never go

there or any cave like it again, but of course I will, I love it. It was one of the most amazing experiences I have had, but next time I want to fully know what I am getting myself in for, and be properly prepared. Thank you Joe for hauling my pack out the last bit of the way and thank the Goddess I had some chockie. Until next time.....

Answers to the Caving Word Puzzle in Speleo-Spiel 326:

The following Cave Related words (arranged by word-length) were included in the puzzle. Where there were two words in a row that formed one long word (e.g. Cave and Pearl), only the long word (e.g. CavePearl) has been included. For those interested, the definitions are given below.

CaveEarth	Clay, silt, fine sand and/or humus deposited in a cave.
CavePearl	A smooth, polished and rounded speleothem found in shallow hollows into which water drips. Internally has concentric layers around a nucleus.
Brakebar	A round bar hinged to a karabiner or rappel rack used for abseiling.
Crawlway	A passage which must be negotiated on hands and knees.
Endogean	Pertaining to the domain immediately beneath the ground surface, i.e. in the soil or plant litter.
Moonmilk	A soft, white plastic speleothem consisting of calcite, hydrocalcite, hydromagnesite or huntite.
Uvala	A complex closed depression with several lesser depressions within its rim.
Hall	A lofty chamber considerably longer than it is wide.
Lead	A passage noticed but as yet unexplored.
Pipe	A tubular cavity projecting as much as several metres down from the surface into karst rocks and often filled with earth, sand, gravel, breccia, etc.
Rack	A descender consisting of a frame mounting 5 or 6 brake bars.
Rift	A long, narrow, high and straight cave passage controlled by planes of weakness in the rock.
Bed	A depositional layer of sedimentary bedrock or unconsolidated sediment.
Lay	The way in which strands of a rope or cable are twisted.

**Midnight Hole Rebolting: Completing the installation.
October 2001.**

Saturday 6

By Jeff Butt.

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

More people than we needed, but many hands make for light work and a social drive to/from Ida Bay. Dean was having his first outing for a couple of years; this was a good low-stress sort of trip for that.

You might be interested to note that the tree adjacent to the entrance is still intact (see the reference to this tree in Speleo-Spiel 326, p20), but there has been root damage and the tree does have a small lean. Sometime soon a big wind event is likely to topple it.

Anyway, with lots of people we organised to have Dean at the head of Pitch 3, Jol and Andras at the head of pitch 2, Dave at the entrance and Jeff was the traveling 'glue-boy' for the day. After Jeff helped Dave with the first two hangers, he bopped down to deliver the glue to Jol/Andras and then to the bolt-holes being minded by Dean. All went very smoothly and in less than 30 minutes we had installed the remaining bolts and had done a good job. The finish (drill-dust) on these bolts was even better than on the first lot, due to some careful dabbing with some rag. Our cartridge of glue is nearly spent; there may at a pinch be about one-hangers worth of glue remaining, but it's not worth mucking about with. So our 380 ml cartridge (costing ~\$34 plus freight) of glue did 12 bolts (each bolt hole takes has a volume of 30 ml, about 25 ml of glue is injected into each and there is some waste).

We all 'accumulated' at the bottom of the third pitch to work out how the rest of the day would pan out. The remaining jobs

were to: check the bolts installed on 29/9/01; to remove the old Loxins/rehabilitate the holes; and to derig.

The old eyebolts were easily unscrewed using a large screwdriver as a lever. Removing the old Loxin casings wasn't quite so easy; we could loosen them and/or extract bits of rusting casing, but couldn't extricate the shell/captive nut from the bottom of the hole. In the end we resorted to a 'bash and bury' approach. The metal was hammered to beneath the surface, and then using some expired glue (i.e. no longer any good for installing P-hangers) plugged the holes. An ample application of drill dust over the top should camouflage the old holes reasonably well; hopefully the base pink colour of the resin will not show through.

The six P-hangers installed on the September 29th were also examined. All had set solid and there was no movement in them, however the right-most hanger at the head of the fifth pitch appears to have exuded a small amount (<< 1 ml) of transparent jelly like material. This material has something of an 'uncured' resin smell associated with it, whereas the other five hangers have virtually no smell at all. We cannot get any movement out of this hanger with fingers or with leverage using a spanner, so it appears to be quite solid. We then derigged and headed for the car, the early exiters copped a very heavy cold shower whereas the late exiters were delighted by ethereal views of sunshine and mist filtering through the tree-tops.

Some thoughts after the trip: One hypothesis for the uncured smell and exudate associated with the rightmost bolt on pitch 5 is that all parts of the glue in this hole did not get enough hardener in it. The presence of some unhardened filler would explain the smell; as once the resin goes 'off', it loses it's smell. The exudate is whitish in colour, which suggests it has

originated from filler rather than from the hardener, which is red in colour. When properly mixed the glue takes on a strawberry pink colour (due to mixing of the red hardener and the white filler), and before each hole was filled we extruded some glue to waste to check that the correct colour was obtained and then extruded a little more to smear along either side of the hanger (to ensure good wetting in the 'crack' between the two legs). Whilst the glue is being injected into the back of the hole (120 mm deep, 18 mm diameter) it's colour cannot be observed, but as the hole fills and the nozzle is withdrawn the colour can be seen; for all bolts this was fine. When the P-hanger is inserted into the hole, excess resin is forced out; again for all bolts this was the correct strawberry pink colour. Given the meticulous care with which we installed the bolts and observed the injected resin, the only thing that we can come up with is that there was a bubble in the hardener cartridge; the hardener is substantially more viscous than the filler.

Anyway all this is just speculation, but it does reinforce the idea that one needs to carefully monitor the correct mixing of resin at all times during the injecting and installing process.

Given that there are some doubts about this hanger my initial thoughts were that we should replace it. Then, upon reflection I thought that formally testing it and only replacing it if it fails the test would be better. Also, given that Midnight Hole is the first cave we have installed P-hangers in, then testing all the new hangers would give peace of mind. [This was done on 20/10/2001, with all hangers passing; see the article on pp 19 in this Spiel.] In the interim, this hanger is quite solid and should not present any problem in use. As always, before using any bolt/anchor one should assess it's integrity.... see the information about assessing P-hangers before use in the trip report for 20/10/2001, elsewhere in this Spiel.

With the new P-hangers installed there is now increased security (i.e. 2 hangers at each pitch-head. Use Both!!) and hopefully less rope-retrieval problems for pull-throughs as the bolts have been located where they can be safely accessed and the rope runs as clear of the rock as possible. For those doing SRT trips to Midnight Hole (a well recommended trip) on some pitches you will still need to use existing spits and natural anchors in addition to the new P-hangers. For those interested; I've got the five old eyebolts mounted in a block of wood...40 years of wear and tear is quite evident.

New Word Search.

There are 15 caving related words to find - in any direction - Answers next Spiel.

Kubla Khan Through Trip: Saturday 6 October 2001

By Deb Hunter (MCCC)

Party: Ric and Janine Tunney, Cathy Bunton, Joe Farrell, Steve Phipps, led by MCCC approved leader D. Hunter

Rain threatened, but it stayed dry while Deb snoozed and the others went to rig the exit pitch. Joe being destined as the next MCCC approved leader, and Ric, recommended to become one for STC, were in charge. They came back down saying I may not like the rigging! It was OK but not the usual rig. Anyway, off we went to the top and started in at 10.30 to light drizzle. Soon there were two cave super-lights, or cave-blasters out (12v dichroic). It has been a pleasure to see the cave so well lit.

Ric and Janine have been through Kubla a few times in the past but not for 10 years. We had much discussion on the ways we used to rig and cave in the old days and improvements that could be made for rigging this cave now. Consensus over the Sentry Box was that it should be bolted with the new chemically fixed P-bolts, as tested by Jeff Butt et al (STC) (Sentry Box is the rope anchor for both pitches 1 and 2). The rebelay bollard at the

landing below is just fine. Pull downs were efficient with a 50m 10mm rope, Ric descending last on a figure 8. Deb christened her new SRT brand rack (what better place?).

After the Kyber Pass traverse, we had lunch at the Opium Den as usual, discussing the old route over the Water Gate from there, and looking at the old climb into Dulcimer beyond the Gate. The Rockfall Route saw us soon behind the water gate, washing boots for a jolly good look about. Then up to the Ridgeway for another wash and much oohing and ahing before descending to the Silk Shop. We were pleased to find after 2 years of drought that most pools contained water- the pool at top of pitch 3 is full for the first time since before the route cleaning I believe, so the pools above the Silk Shop were a delight to see.

The tape used to access the Silk Shop was used again at the climb out of the Hall of Kings, with a foot loop. While at the pass before the Hall of the Khan, we inspected the damaged gours there (not new damage) and the excellent spar crystal which was broken. The view of the Hanging Down Thing, Khan and Begum was superb with two dichroics. Then 10 minutes later we were beside the Khan for a rest before the Old River Passage. We also wandered over to truly appreciate close at hand the magnificence of the Begum. The boot washing station at the Khan is badly in need of maintenance. Gobs of clay half fill the depleted container.

We used the tape and maillon left 18 months ago, after inspection, to drop down while Joe familiarised himself with the climbing route. We found the Old River Passage slippery and muddy with wetter conditions, certainly muddier than Ric remembered. It was also a longer section than he recalled. Joe led the descent to Sally's Folly, lending a shoulder for the rest. The Folly was very wet. All the pools seemed at full height, much to my amusement watching the others and clicking my Olympus point-and-shoot that I'd bought just for this purpose. We were getting wet much earlier than we expected. The tall rift beyond the Folly proper was superb to see with 12v and so moist. The decorations here are well worth admiring.

I think most got through the squeeze without having to step around the column at the climb into The Forest, and soon the River Alph was heard. A stal breakage occurred just in the last chamber of the Forest. Janine led pitch 4, just a little too far to the right and pendulumed a bit, but soon we were all down for a rest and it was 5.30 pm. I went looking for Rolan's charcoal bags left in a nearby backwater to retrieve for him, then 3 went back after all and installed 3 new bags (thanks, Ric!). Crossing the River, very dark with tannin, Cairn Hall was certainly spectacular to see. It really is Big, and so are the curtains and things high on the walls of the vault. Crossing twice more, we soon climbed up to the big rock to drop packs and climb to the Pleasure Dome.

Barefooted, we gingerly walked up the Dome until we could see drip water flowing in delicate waves down the gours. Shit, eh?! Hold the light just so, and you can get mesmerised just looking at it. The deep green of the top

pools contrasts with the golden calcite. We discussed footwear for the Dome, agreeing that pale soled thongs are probably cave friendly enough in this instance. Half an hour in there is not enough to numb your feet to the pain of walking on crystals and fine gours.

After dressing in all that we had (only 2 of the party wore wet suits) Joe, Janine and me headed into the wade of the River Alph at 6.59 pm. Passing the start of the Stalactite Shuffle proper, the old magic of this dark river and its manganese walls got to me. At the stopper pool you couldn't see the rock in the middle to grab for as there was enough water to go straight over it. Eventually Joe made it to that hold and passed the tape for me. But the others hadn't started catching up. Where were they? Janine and I started up the climb and the others were coming then. It had been a bit of a wait at the stopper and I was stiff having stood deeper in the water. But soon the River gate was open (careful- the key drops out of the lock) and the time was 7.25. I guess the River took 18 minutes this trip (I did it in 9 once). So the first 3 headed to the base of the exit pitch.

We used Indestructible Rope Technique as the protector dropped below the rock rub point, but I headed up next to announce a rounded contact there. Then past that rock and the rope above slipped across. I then found myself bashing up through the scrub and a 2.5m spar came at me. Unable to secure it to my satisfaction, I warned the others and continued from the tail to the traverse and was out. Steve got a bashed top ascender hand from a falling rock later. I think we'll all go back to rigging Kubla Exit the old way! The old way would be improved by bolting, including possibly a redirection for the lighter ropes at the rock. Mind you this rock is not much of a problem rigging the old way, but is further from the anchor (tree) than the way it was rigged this time, unless there was an intermediate bolt installed.

Hot drinks were soon in order back at the Subaru Foresters (oh yes, and the other red thing) and the cold of the night hit as body temperatures readjusted. All were out and cave derigged at 9.30 pm. Thanks everyone for jolly good company, it was a pleasure to do the required, official Approved Leader thing, but now let's hope for a quick solution to the outstanding need for more approvals, especially for STC and the next generation of Tasmanian cave leaders (I got some good slides on the little camera).

Devils Pot at Mole Creek: Sunday 14 October 2001.

By Deb Hunter (MCCC)

Party: Deb, Joe, STC guests Ric and Janine and UK visitors John and Nick.

I knew that Joe was coming up and hoping for some decent caving. Ric and Janine were in Deloraine again for the drama gig, keen to join a Sunday trip. Ray Dimmack tried to make it but couldn't. The Pot had been mentioned but no firm plans were made due to water conditions and forecasts of further heavy rain.

John and Nick go caving and climbing in England. I'd met them on Friday when they called in at home out of the blue, having

been recommended to catch up with me by Kim Van Dyk (CCV, Buchan), where they'd gone caving last week. It was their luck that a club weekend was happening with a trip on Sunday, and also a full day Wild Cave Tour on Saturday that they could join if they wanted to (they did, and we saw Sassafras, Honeycomb and Croesus). The day dawned reasonable and the heavy rain had missed the Tiers; Caveside had had only 3 mm rain in 48 hours. To the Pot we went! We were equipped for whatever took our fancy regarding routes (excepting the missing loxon bolts) and Janine took her new waterproof trog suit in case the waterfall pitch was passable.

That hill is no less steep. Fallen trees were bypassed and some fresh tapes were placed at turns by Ric, who also GPS'd the features. Now that it is well after the initial few years of occasional use by non-caving club people, the track looks little used. We could hear the waterfall well in advance. Especially because of good water volume, Misty Void was at its most splendid aspect on this clear spring day, and the temperature was mild above the pitch. We were underway about 12.30 pm. Joe worked with Ric on the rigging. The 40m was rigged to the clump of musks, backed up to the single tall one and rebelayed at the crack in the rock beyond the tree fern. Little rope remained at the bottom. There was no evidence of recent visits, as we slushed and impacted our way to the stage opposite the waterfall through the mud, ferns and moss. The waterfall route was immediately discounted by Janine. A whistle was used as a signal throughout the trip due to the sound volume of the water. Further on, the roar of the water was heard again. The main aven, wet with spray and its white flowstone wall shining, was irresistible. The 30m, too short of course, was backed up to the pitch edge with the 25m. Rigging was by wire traces to the closer flake, and tape to the further flake. For the prussik, two protectors were placed- at the edge and a few metres below. The creek gushed out of the tube above the bottom. The rift was checked out- no pool backed up



STC'ers, MCCC'ers & a couple o' big poms for good measure.

there and the creek was draining away. The emergence of the waterfall route rift (18m pitch, bolted) was pointed out, as well as the position of the connection pitch from Devils. Anastomosis and the need to go over the chock stone (in view very high up). Janine and Nick ascended just fine and were out by 4 pm. John had a problem with a protector. He was unable to

be heard by us below, so Ric prussiked up to assist, whereupon John could not lift his ascender over the next protrusion with Ric's weight as well, so Ric returned and went up after him, cold as he had left his jumper behind and was soaked. Deb was next and Joe last. There had been an hour's gap between Nick and John's arrival at the top. All out and derigged by 5.30. The rebelay came out during Nick's ascent, was bypassed by John and replaced by Deb. The loop from the top at the rebelay was shorter than ideal (which would have made the rebelay easier to dislodge) as Ric and I had decided to tighten the top of the rig after Joe had already

rigged the rebelay. It consists of a tape in a horizontal slot right at the start of the vertical part of the drop to reduce rope bounce below.

The trip took 5 hours and our visitors did well. Their MCCC rigs were efficiently adjusted, John stayed cool when he had that problem, and it was a cheerful day. I wonder if Evan regretted going to band practice instead?

Marakoopa I & Marakoopa II Caves. Sun 7 October 2001

By Ric Tunney

Present: Liz Canning (STC), Joe Farrell (STC & Mole Creek Caving Club), Steve Phipps (STC), Hugh Fitzgerald (STC), Ric Tunney (STC).

We had arranged that we could enter the cave with one of the tourist parties. The first tourist trip was at 10am. Unfortunately, we were a bit tired from Kubla Khan the day before and also our body clocks had been tricked by the introduction of daylight saving overnight. So there was a last minute bustle as we rushed up to the Marakoopa car park.

We had cunning plans to keep the ranger taking to give our tail-enders time to arrive. This wasn't needed as there was no actual tourist trip running. One carload of tourists had arrived and had set out along the entrance path with toddlers, babies, and pram. As we trogged up, we had wondered why they returned five minutes later. It turned out they had left when they found out they couldn't take a pram through the cave. I suppose if we want to be internationally competitive, we'll have to put moving walkways, lifts, and McDonalds in our caves. Anyway,

there were no takers for the 10am tour and the ranger was happy to chat for a few minutes.

In a previous incarnation, before he discovered you could go caving by carrying your own light, Joe was a cave guide at Mole Creek. This meant he knew how to switch on the lights. This is no mean feat, as the switches have to be rotated, not flicked. This was caving in luxury! We walked up a graded concrete path with lots of lights going on and off around us. Moreover, because we didn't take a pram, we easily negotiated the steps.

Also, Joe told us he knew the names of all the formations! This was much more fun than normal caving where each stal is un-named. However after a bit of "What's that called?" "Angel's Wing", "What's that called?" "Angel's Wing", "What's that called?" "Angel's Wing", we got suspicious. He was making up the names! And he didn't have much of an imagination. He even forgot to tell us the name of The Tuning Fork, a 2m high stal imprisoned in a glass cage.

I have an image of thousands of tourists who were guided by Joe over the years; all thinking every formation in a cave is called "The Angel's Wing".

And we even got to see the cave under natural lighting! Again, this is no mean feat when everyone around you has a headlamp.

But despite Joe's poor guiding, we all appreciated the tourist part of the cave. It's clean, the paths are well-built and the wiring is reasonably unobtrusive. The cave itself is highly decorated and is certainly worth a visit.

We returned to the creek and headed into the non-tourist part of the cave. This is essentially an ascending streamway with nice canyon parts, climbs over dolerite boulders and lots of formations.

After some time the passage leads into a karst window. This forms the boundary between Marakoopa I and Marakoopa II, but it's all really the one cave.

Marakoopa II is similar to Marakoopa I. The passage still climbs steeply as one follows up the stream, but the passage is smaller and there are more dolerite boulders. The top of the cave opened into another karst window. The stream flows into this from Marakoopa III (same cave, new name), which we didn't visit.

We climbed out of the karst window to the west. About 400m west of here we reached the edge of an enormous doline containing Devil's Earhole. There was a nice taped line through the rainforest. It wasn't leading in the direction we wanted to go, but who can resist a taped route? So we followed it south till it stopped (or we lost it) and then moved west around the southern side of the doline to its western side where we could look down into it. About 200m south-west from here was Devil's Pot where a stream plunges down a chute into a misty doline.

Joe then lead us down a lightly-taped pad which ran north then north-west to the tourist path at the entrance to Marakoopa I.

For all of us except Joe, this was our first trip into this area. The rainforest is reasonably open. Compared to the Junee-Florentine and Ida Bay, it's much lighter. There are more eucalypts and there aren't the same rainforest species like myrtles we have come to love. But in its own way it's an enjoyable forest. And the karst landforms are very spectacular.

Surface Thrashing at the Top End of Chrisps Road, 21/10/2001.

By Jeff Butt

Party: Dean Morgan, Dave Rasch, Jol Desmarchelier, Jeff Butt.

The aim of the day was to have a look at caves in the vicinity of Bonepit (JF203) and Voltera Swallet (JF207). Dean reported that on a visit to the area with Stefan Eberhard some years ago; they found several interesting things, including a pile of rocks on the ground, which when disturbed fell inwards revealing a shaft of about 40 m! Fortunately this was not entered at the time; and has not been revisited since. All this sounded pretty interesting, so we thought we'd have some fun in the bush trying to relocate these features, aided with GPS technology.

The first stop was on Chrisps Road about 1 km from the end, due to a large fallen tree, so it was time to start hoofing it up to the Maypole at the end of the Road. The next stop was to be Bonepit.....but we failed to locate it. From about the correct position (on the right, about level with the Maypole) we found a taped trail (old red tapes) and followed it in. These tapes stopped in the middle of nowhere; and despite an extensive search didn't locate any further red tapes, or any caves. So, that is a bit of a mystery.

We then headed generally West through the thick sticky scrub and eventually found some surface streams, thus we were probably above the contact then. We followed the first stream down and found a large cliff-edged doline with a small swallet, which proved to be JF206. From here we again headed West through the rainforest, and found a much larger stream, which we expected would flow into Voltera Swallet....however we didn't locate any swallet, we suspect that the actual swallet was probably uphill, with the stream

being the 'surface overflow'??? But, without the benefit of a map or compass (we had 2 GPS's) we weren't quite sure!

Several other interesting untagged karst features were located; Dave found one entrance with ~20 m pitch. We then decided to contour East around the hillside, looking out for other karst features. Again we found plenty of 'sticky' forest and bony ridges (i.e. lots of exposed limestone), but no caves. Soon enough we hit the tangled mess of left-over logs near the head of Chrisps Road, and were back at the Maypole. Time for a late lunch. After that, enthusiasm waned...and so we decided to head home, arriving at the uncharacteristically early hour of 5 p.m.

At home, overlaying our GPS track data on the 1:25000 map showed where we had actually been. JF206 is actually 100 m East (& 30 m higher) of where it is marked on Rolan Eberhards "Junee River Karst Study" map. As suspected, we hit the Voltera gully too low, about 100 m South of where this Swallet is. Ah the benefits of hindsight, and a map....next time we will be a bit more organised and take a copy of the map along with us!!

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***STC has Caving lamps and helmets available
for hire to Schools, Scouts and other groups with responsible
Caving leaders. Contact the Equipment Officer for details.***

Equipment Officer's Report

By Jeff Butt

Over the last year only 65 loans were recorded in the Gear Store Book (for comparison, there were 109 loans in 1999/2000 and 103 in 1998/1999); so there has been a marked decrease in the level of club activity. In addition, most of the borrowers are 'familiar names' reflecting the keenness of a few individuals rather than a healthy general level of caving activity.

Despite the lower level of caving activity there has still been plenty of activity in the Gear Store; with the rebuilding of our gel-cell charger, maintaining our lamps and safety auditing our equipment. A rope testing session was held in September (see Spiel 326, p18) to assess some of our older ropes. In September we purchased a new roll of 10 mm diameter Edelrid rope; the 10 mm rope is a compromise between the lightness of 9 mm and the security of 11 mm rope and is a good choice for a 'club' rope.

Also, during the year we finally made some progress with our P-hanger rebolting project. Our test bolts in X-Benders Quarry were quantitatively tested in August (see Spiel 326, p12). Then during September/October we installed a dozen P-hangers in Midnight Hole, updating the ~40 year old Loxin/eyebolts.

All gear is either present in the gear store, or accounted for in the Gear Loans book. Some 'highlights' in the various departments are outlined below.

Lamps/Charger

The ~25 year old lamp charger was retired during the year when I built up a new 5 lamp charger. This should serve us in good stead and ensure that our gel-cells are correctly charged; which will add to their longevity.

During the year one Oldham battery failed, as did one gel-cell. are 15 serviceable lamps; comprising 9 Gel-cells and 6 Oldhams. All lamps were tested for Capacity during the year and most lamps are '8 hours plus'. A couple of the existing gel-cells are approaching the end of their useful lives; so we will need to purchase some new gel-cells during the coming year to maintain 15 good lights. Given the current lower levels of demand for lights, it is perhaps not worth reinstating the lamps that failed during the year as 15 lamps is

adequate. We could easily increase our lamps to 20 in number; the cost for each lamp reinstated is about \$25. However, given the current low level of demand, there does not seem to be much point in doing this.

Helmets

During the year we spent our \$500 grant from the Department of Sport and Recreation by buying new Joe Brown fibreglass helmets. The other two SRT helmets (plastic) we have are now 5 years old and should be retired soon. During the year the 1995 vintage Construction Workers helmets (for horizontal caving only) were retired, leaving us with 17 serviceable Construction Workers helmets.

Ropes

Using annual drop-testing of our older ropes as an assessment mechanism, I have been weeding out our weaker/older ropes. All ropes in the gear store are capable of withstanding 2 consecutive "fall-factor 1" falls with an 80 kg load; and the majority of ropes will take at least 3 such falls. At present we have 1054 m of serviceable rope; this includes 200 m of new rope purchased in September this year. It is likely that around 300 m of rope (mainly aging 9 mm diameter) will be retired over the coming year, leaving us with ~700 m. By purchasing a new 200 m roll of rope each two years we should maintain a good stock of rope in a variety of useful lengths. A table of serviceable rope is included below.

Gear Bags

During the year I repaired several worn gearbags using my own industrial sewing machine; these packs now have a reduced volume, but are fine for horizontal caving So, currently there and/or personal SRT packs. One new 'Jeff-made' rope pack was purchased, bringing us back to having two good full-size rope packs.

Ladders And Traces

We have 5 serviceable ladders (1 by 50', 4 by 30') and a number of serviceable traces. The ladders are only occasionally used and we have sufficient for current needs.



Steve is suitably impressed by Jeff's skillfull skill and speedy speed.

(Photo by Joe)

SRT Gear

We have two complete SRT sets and a few other odds and ends. The one Whaletail we have is nearly worn out and will need to be replaced during the forthcoming year.

Bolting Gear/Power Drill

The power-drill saw some use with the P-hanger program, but this drill is not up to the task of drilling 18 mm diameter holes and its use should be restricted to smaller jobs such as affixing number tags.

The hand-bolting gear was only used once during the year; to install a second bolt on the main pitch in JF341. Ideally both spits here should be replaced with P-hangers.

Survey Gear

The survey gear has seen some use over the last year during tidying-up of major survey projects in both Splash Pot and Khazad Dum. One clinometer was cleaned during the year, giving us 2.5 (i.e. 3 compasses, 2 clinometer) serviceable sets of instruments.

The GARMIN GPS 12XL unit has been used sporadically and there are ~400 cave locations in it.

Rope Protectors

We have more than enough for our needs.

STC Warehouse Sales

See the back of a current Spiel for what we have and current prices. Consistent with the reduced level of caving activity, there has been a drop-off in demand for items.

SUMMARY

The club equipment (a complete inventory follows) is well maintained and the Equipment Store remains in a well organised state. It is now five years since SCS/TCC and TCKRG merged and the 'over-abundance' of equipment that we had then has now diminished, chiefly through the retiring of old and unserviceable equipment. It is likely that our inventory will now remain reasonably static; with gear being replaced as it wears out.

Static Rope Inventory at 30/9/2001

Notes:

1. All ropes of at least 10 m in length have been allocated a number. All shorter ropes have been given a "SH" (i.e. short) identifier.
2. All ropes have a label (beneath clear heatshrink), this label consists of three lines, "STC"; "Rn-yy"; "mm" where "STC" denotes ownership by STC; "n" is Rope number; "yy" is the year of purchase (if known) and "mm" is the length (m).
3. All these ropes have been inspected and assessed for safety. Reports on this process, including subjecting test pieces to Fall Factor 1 drop tests with an 80 kg are regularly published in Speleo-Spiels.
4. Rope log sheets are now being kept for all ropes. As old ropes are replaced with new ones, histories for all ropes will become complete.

Jeff Butt, Equipment Officer

Rope No.	Brand	Type	Diameter (mm)	Purchased	Label	Shrunk length (m)	Into Service	Condition G/M/F	Notes
2	Beal	Static	9	~1990	R2-90	54	2000	fair	
69	Beal	Static	9	~1990	R69-90	49	2000	fair	melt streaks
74	Beal	Static	9	~1990	R74-90	23	2000	fair	
73	Beal	Static	9	~1990	R73-90	20	2000	fair	
70	Beal	Static	9	~1990	R70-90	20	2000	fair	
8	Bluewater II	Static	10	1989	R8-89	16	1991	medium	
9	Bluewater II	Static	10	1989	R9-89	15	1989	medium	
34	Bluewater II	Static	10	1989	R34-89	14	1989	medium	
13	Bluewater II	Static	10	1989	R13-91	13	1991	medium	
51	Bluewater II	Static	10	1989	R51-91	12	1991	medium	
67	Bluewater II	Static	10	1989	R67-89	9	1989	medium	
SH	Bluewater II	Static	10	1989	SH-89	9	1989	medium	
10	Bluewater II	Static	10	1989	R10-89	8	1991	medium	
SH	Bluewater II	Static	10	1989	SH-89	8	1989	medium	
5	Bluewater II	Static	11	1992	R5-92	70	1992	good	
4	Bluewater II	Static	11	1992	R4-92	45	1992	good	
65	Bluewater II	Static	11	1992	R65-92	39	1992	good	
24	Bluewater II	Static	11	1985	R24-85	23	1985	stiff	
21	Bluewater II	Static	11	1991?	R21-?	23	1991?	medium	in Avons Aven 5/99
64	Bluewater II	Static	11	1992	R64-92	22	1992	good	
19	Bluewater II	Static	11	1983	R19-83	21	1983	stiff	
72	Bluewater II	Static	11	1983	R72-83	20	1983	stiff	
22	Bluewater II	Static	11	1991?	R22-?	17	1991?	medium	in S.H.Pot 9/01
61	Bluewater II	Static	11	1983	R61-83	12	1983	stiff	

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SH	Bluewater II	Static	11	1983	SH-83	6	1983	medium	in S.H.Pot 9/01
1	Edelrid	Superstatic	9	1994	R1-94	113	2000	good	
6	Edelrid	Superstatic	9	1994	R6-94	35	1997	medium	some melt streaks
62	Edelrid	Superstatic	9	1995	R62-95	30	1995	medium	in S.H.Pot 9/01
71	Edelrid	Superstatic	9	1994	R71-94	26	1997	good	
63	Edelrid	Superstatic	9	1995	R63-95	14	1995	fair	melt streaks
68	Edelrid	Superstatic	9	1995	R68-95	12	1995	fair	melt streaks
SH	Edelrid	Superstatic	9	1995	SH95	7	1995	fair	
SH	Edelrid	Superstatic	9	1995	SH95	5	1995?	medium	some melt streaks
75	Edelrid	Superstatic	10	2001	R75/1	120	2001	New	
76	Edelrid	Superstatic	10	2001	R76/1	80	2001	New	
38	Edelrid	Superstatic	10	?	R38-?	11	?	medium	
39	Edelrid	Superstatic	10	?	R39-?	8	?	medium	
SH	Edelrid	Superstatic	10	?	SH?	6	?	medium	
SH	Edelrid	Superstatic	10	?	SH?	6	?	medium	
48	Edelrid	Superstatic	11	?	R48-?	13	?	good	
40 Ropes					Total length	1055 m			



STC Gear Inventory 30/9/2001				
NOTE: Additions during the past year are shown in Bold Type .				
Item	Quantity	Purchased/ made/ put into service	Condition	Location
LIGHTING				
4 Volt charger	1	n/a	good, but 2 out of 6 clips U/S	store
6 Volt charger	1	2001	Rebuilt during the year	store
4 Volt Oldham lamps	6	n/a	good	store
6 Volt Gel-cell lamps	10	n/a	good	store
Belts	24	n/a	good	store
Oldham headpieces (complete)	6	n/a	good	store
Box of assorted lamp spares	1	n/a	various	store
Sewer-pipe lamps	2	n/a	springs need attention	store
Sewer-pipe spare battery carriers	3	n/a	good	store
plastic fish crate	1	n/a	good	store
Container of spare 4V bulbs	1	n/a	new	store
Container of spare 6V bulbs	1	last in Jul-00	new	store
HELMETS				
Joe Brown Helmets	8	Jan-01	good	store
Edelrid Ultralite Helmet	1	Jul-96	good	store
Petzl Vertical Helmet	1	Sep-95	good	store
Safety Helmets-white	10	Feb-98	good	store
Safety Helmets-white	7	Feb-96	medium	store
STATIC ROPES				
Serviceable ropes-see attached Ropes list	1055 m	various	various	store
Retired ropes	quantity	n/a	u/s	store
ROPE PROTECTORS				
red PVC	5	n/a	good	store
yellow PVC	10	n/a	good	store
canvas (firehose)	8	n/a	mostly good	store
SRT GEAR				
Petzl Rapide harness and alloy D-Maillon	1	Sep-95	good	store
Petzl Super Avanti harness and steel D-Maillon	1	Apr-98	good	store
Stuff sacks for SRT gear sets	2	Apr-98	good	store
Rappel rack (long)	1	n/a	good	store
Whaletails	1	n/a	fair	store
Petzl Stop descender	1	Nov-99	good	store
Petzl Expedition ascenders	2	Jun-90	good	store
Petzl Croll ascenders	2	2 in Jun-90	good	store

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Cowstails (each with 2 snaplink carabiners)	3	2 in '98, 1 in '96	2 good, 1 to be replaced.	store
Jumars-yellow	2	n/a	good	store
CMI handled ascender	1	n/a	medium	store
CMI chest ascender	1	n/a	poor	store
SRT medium ascender	1	n/a	poor	store
Gibbs ascender	1	n/a	good	store
Screwgate D Carabiners	3	n/a	good	store
Screwgate Carabiners	3	n/a	good	store
Snaplink Carabiners	3	n/a	good	store
Box of Unserviceable/old ascenders/descenders	1	n/a	poor or unserviceable	store
PACKS				
Medium-yellow	1	Jul-01	new	store
Medium-yellow	2	Feb-96	fair	store
Extra large-white	1	n/a	medium	store
Small-red	1	n/a	poor	store
"Dead" packs	3	n/a	u/s, suitable for patches	store
LADDERS & TRACES				
15m (50') Bonwick ladder	1	Sep-95	good	store
9 m (30') Bonwick ladders	4	2 in Apr-91	3 good, 1 fair	store
3 mm wire traces-long length (6.1 m/20')	2	1 in Sep-95	good	store
3 mm wire traces-medium length (2.4 m/8')	6	n/a	medium	store
3 mm wire traces-short length (1.3 m/4')	1	n/a	ok	store
PVC rung ladders	5	3-'98, 2-'99	good	4 in Growling, 1 in Exit
ACCESS KEYS				
June Quarry Road key	1	n/a	n/a	store
BOLTING GEAR-ELECTRIC				
Hitachi DH15DV Hammer Drill-complete	1	1996	medium	store
12 Volt Gel-cell (Yuasa)	3	1-'98, 2-'01	1 medium, 2 good	store
Gel-cell pouch	1	1997	good	store
Arlec 12 Volt Gel-cell charger	1	1997	good	store
Drill bits-1/4	1	1996	good	store
Drill bit-5 mm	1	1996	good	store
Drill bit-6.5 mm	1	n/a	fair	store
Drill bit-8 mm	1	Dec-98	good	store
Drill bit-10 mm	1	Dec-98	good	store
Drill bit-18 mm	1	Sep-01	good	store
BOLTING GEAR-HAND				
Petzl Bolting kit pouch	1	n/a	good	store
Petzl Bolting hammer	1	n/a	good	store
Petzl Bolting Driver	1	n/a	good	store
Petzl 10 mm self drive spits and cones	3 sets	n/a	good	store (bolt kit)
Container of grease	1	n/a	good	store (bolt kit)
Petzl Twist hangers	4	n/a	good	store (bolt kit)
BOLTING GEAR-SPARES				
Fixe stainless expansion bolts (90 mm *10 mm)	8	May-98	new	store
Fixe stainless steel hangers with captive rings	8	May-98	new	store
Petzl 10 mm self drive spits	~24	n/a	most good	store
Cones for 10 mm spits	~24	n/a	most good	store
Petzl Twist hangers	3	n/a	new	store
Petzl hangers	4	n/a	new	store
Nylon bolts (for markers)	15	n/a	new	store
GLUEING GEAR				
Glue dispensing gun	1	2000	good	store
Hole cleaning brush	1	Sep-01	good	store
CAVE NUMBERING GEAR				
Box of Blank number tags	1 box	n/a	good	store
Metal punches, set of 10 numerals	1	n/a	good	store
Mt. Weld number tags (1-10)	10	n/a	new	store
Nylon sleeves and nails (for number tags)	27	n/a	new	store
GPS GEAR				
Garmin 12 XL GPS unit (Serial No. 35324575)	1	Jun-98	good	store
External Antenna	1	Jun-98	good	store
SURVEY GEAR				
50 m fibreglass tapes-open reel	1	Nov-97	good	store

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30 m fibreglass tapes-open reel	1	n/a	good	store
30 m fibreglass tapes-open reel	1	n/a	ok, but only 20 m length	store
50 m fibreglass tape-closed reel	2	n/a	ok, but 30-40 m length	store
Suunto compass #333530(3)	1	n/a	good	store
Suunto compass-no number (repaired unit)	1	n/a	good	store
Suunto compass #438188(25)	1	n/a	fair-blue oil	store
Suunto clinometer #033141	1	n/a	good	store
Suunto clinometer #423770	1	n/a	good	store
Box assorted U/S Suunto's & parts	1	n/a	mostly u/s	store
FURNITURE				
long wooden box with 2 lids	1	n/a	good	store
wooden cupboards	2	n/a	ok	1-store, 1-Library
metal rope racks	2	n/a	not used	store
Two-tier wooden rope rack	1	Mar-98	new	store
Shelving for library	quantity	May-00	good	Library
DROP TEST RIG				
80 kg weight	1	Mar-98	heavy!	store
Zennit maillons	3	Mar-98	ok	store
Screwgate Carabiner	1	n/a	poor	store
MISCELLANEOUS				
Rope cutting knife	1	n/a	good	store
Ropewasher	1	n/a	fair, needs a rebuild	store
quantity old fire hose	1	n/a	ok	store
sack metal ladder rungs	1	n/a	ok	store
Metal adjustable squeeze	1	n/a	ok	store
Aluminium rod (for making rack bars)	1 piece	Jun-98	new	store
STC WAREHOUSE SALES-gear for Sale				
space blankets	3	Dec-95	new	store
Duracell flat pack batteries	2	Jul-99	new	store
Petzl 21 litre carbide jets	2	n/a	new	store
Rivory 10 mm Dynamic rope (for Cowstails etc.)	~24 m	Apr-00	new	store
<i>Jeff Butt, STC Equipment Officer.</i>				

Gear Test: Bata Dairy Boots.

By Ric Tunney

Janine's twenty-year-old Blundstones were falling apart, so we needed to replace them. I have some dairy boots I inherited from a friend, and we saw Liz Canning wearing a nice pair. So we thought we'd replace those old leather boots with dairy boots.

"What are dairy boots?" you ask. Dairy boots have rubber uppers and plasticity, rubbery soles. I have a suspicion they are for use in dairys. Being rubber, they don't get saturated when wet. Unlike gum boots, which as well as looking rather daggy carry several kilos of water when full, dairy boots look quite cute and only hold a bit of water.

We tracked down some boots made by Bata. They're described as "Boots Ankle Dairy Laceup Black/Green 67053". We got a pair from J Blackwood, 11 Derwent Park Rd., Derwent Park for \$45. Blackwoods don't actually carry stock, but are happy to get them in from Bata.

The question was, how would they perform in caves? It's all very well to stroll around in cow shit and spilt milk, but caves provide other challenges. Janine has given them a thumbs up. They grip well on both rock and mud and she finds them quite comfortable for the walk to the cave. In summary, a recommended buy for those who don't want to wear gumbies.

October 2001: Midnight Hole (IB11) has been rebolted by the Southern Tasmanian Caverneers with the permission of Parks and Wildlife. The old (~1960's) Loxin eyebolts have been removed.

Each Pitch-head is now equipped with two stainless steel P-hangers (see below) which have



been epoxied into 18 mm diameter holes, 110 mm deep. Only the eye of the hanger protrudes from the rock, as shown opposite.



IMPORTANT: YOU SHOULD ALWAYS THREAD YOUR ROPE THROUGH BOTH HANGERS

IN ADDITION, BEFORE USING ANY ANCHOR, the following points must be checked.

- 1 That none of the resin is breaking away from the rock surface (indicating possible internal fracture of the resin, or a poor chemical bond).
- 2 That there is no fracturing of the rock within 200 mm of the anchor placement.
- 3 That there is no looseness of the anchor placement in the rock. This should not be confused with flexing, as a small (~0.1 mm) deflection occurs when the anchor is loaded with body weight. Looseness should be defined as actual rotational movement in excess of 1 mm.
- 4 That there is no egress of the anchor from the resin, or the anchor and resin from the drilled hole.
- 5 That the eye of the hanger has not been excessively (i.e. the diameter reduced to 6 mm in any place) worn by having dirty ropes pulled through it.

Should the anchor placement fail any of these tests then it should be deemed un-safe, and not be used. In addition, you should report this condition as soon as possible to The Southern Tasmanian Caverneers, via 62238620.

Finally: Installation of these bolts has been an expensive process, and STC requests that non-STC members forward a small donation to the Treasurer, P.O.Box 416, Sandy Bay, 7006. to facilitate the maintenance of these items in the future. Also, feel welcome to contact us if you would like more information.

Have a Safe and Enjoyable trip.

Midnight Hole rebolting: Inaugural through trip using the new P-hangers (and testing thereof). Saturday 20 October 2001.

By Jeff Butt

Party: Tim Rudman, Dave Rasch, Kate Ryan, Jeff Butt.

After our efforts of rebolting Midnight Hole using glue in P-hangers (see Spiel 326, pp 19-21 and the trip report for 6/10/01 in this Spiel) today was to be the inaugural through trip using the new hangers. Because of some doubts with one hanger at pitch 5 (see the trip report for 6/10/01) we also came equipped to test all the bolts prior to use.

I had also made up a sign (see opposite page), which you will find on the surface near the entrance explaining some basic tests that everyone should use to inspect any P-hanger before use.

Proving the bolts: In the UK, where they have been installing P-hangers for some years, they have developed a series of standard tests that P-hangers should be assessed on. They also stipulate the frequency of which these tests should be carried out, i.e. annually for the first 2 years, and thereafter each 5 years and have some associated paperwork for record keeping (we too have some record keeping occurring). The points in the tests are (the first 4 are points that any person about to use the hangers should assess before use):

1. The surface of the resin/mortar breaking away from the rock (indicating possible internal fracture of the resin/mortar, or a poor chemical bond).

2. Fracturing of the rock within 200 mm of the anchor placement.

3. Looseness of the anchor placement in the rock (this should not be confused with flexing, as a 00.06 mm deflection occurs when an anchor is loaded in line with it's axis with 85 Kg, and a deflection of 00.13 mm occurs when an anchor is loaded against it's axis with 85 Kg). Looseness should be defined as actual rotational movement in excess of 1 mm.

4. Egress of the anchor from the resin/mortar, or the anchor and resin/mortar from the drilled hole.

5. A reduction in thickness to 6 mm in any plane.

These points are quite quick to assess, but are somewhat of a qualitative nature. I discovered that the Elevator Industry use a more quantitative test (requiring an instrument) to formally prove bolts they install for lifelines. To my mind, at this stage of us installing P-hangers, it doesn't hurt to test our bolts using both tests.

In the Elevator industry, eyebolts (mechanically fixed bolts ~12 mm in diameter, 120 mm long installed in a 16 mm diameter hole) used for anchors for lifelines (to hold a person working in the area) installed in elevator shafts and the like are proved by being subject to a tensile (totally outwards pull) force of 5 kN for 5 minutes. This is equivalent to a load of 500 kg pulling directly outwards, along the axis of the hole/bolt. Holding this load for 5 minutes indicates that the bolt is not slowly creeping outwards. If the bolt passes this test, then it is deemed safe to use. In use the bolt is loaded in shear; the bolt is significantly stronger loaded in shear than in tension.

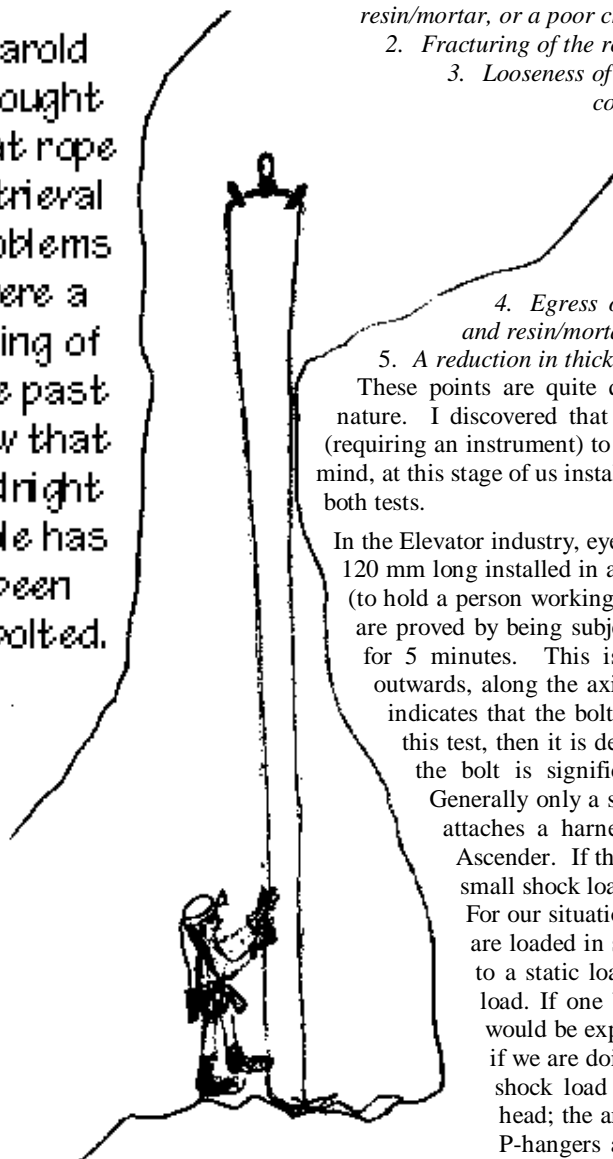
Generally only a single bolt is used to secure the lifeline; the operator attaches a harness to the lifeline via a device similar to a Gibbs Ascender. If the operator slips etc., then the bolt is subject to only a small shock load.

For our situation, we have two bolts both sharing the load and both are loaded in shear. Since we are abseiling, both bolts are subject to a static load and generally there is no expectation of a shock load. If one bolt were to fail, then only a negligible shock load would be experienced by the other bolt. (An exception to this is if we are doing a SRT trip and a lower anchor fails, then a small shock load may be transmitted to the P-hangers at the pitch-head; the amount depends on the efficacy of the rigging) These P-hangers are generically rated at 15 kN in tension, 25 kN in

shear. From our experience at testing our test bolts in the X-Benders Quarry (see Spiel 325, pp 12-14) we observed that at about 10 kN there is some deformation of the eye of the hanger and cracking of the surface glue; our test bolts however did remain intact; indeed, some were tested to 14.5 kN without showing any egress from the rock. Since we only wanted to prove our new bolts, not test them to the point of any damage we decided that testing as per the Industrial test (5 kN for 5 minutes) would be appropriate and give us piece of mind about our installations.

Harold
thought
that rope
retrieval
problems
were a
thing of
the past
now that
Midnight
Hole has
been
rebolted.

Cartoon by Jeff B.



Otis Elevators again loaned me their Hilti-4 Tester for the day, thanks again Tony! This compact tester is quite convenient to both use and carry underground; though one does need 3 or 4 careful hands to set it up over a pitch-head without dropping any part of it! So, prior to rigging our ropes at each pitch-head, we subjected each hanger to both the UK test, and an 'Elevator Industry proving test', i.e. an outward pull of 5 kN for 5 minutes. All hangers, passed this test without any movement, creeping etc. The possibly suspect hanger on pitch 5 also passed this test, but it does still have a slight 'uncured' smell. After that we felt confident that all our installed hangers are safe and secure; which is just as well, as we then used them. We did have some rigging gear with us to leave in the cave in case we had a P-hanger test failure.

After testing the hangers we threaded the rope through both (accessing the hangers is safe and easy; they are all within safe reach) and used a large stopper knot (half a double-fisherman's knot on a bight or rope) to secure the abseil rope. Of course there are other methods that one could use (e.g. double rope abseil, krab the stopper knot in the retrieve rope around the abseil rope etc.); the main thing is that both hangers are threaded. There were no problems at all with rope-retrieval. Indeed, because of the good placements of the new bolts there is virtually no rope rubbing over any rock (apart from pitch 2, where it is best for the last person to remove the stopper knot and abseil on double ropes) to cause difficulties with rope retrievals.

We also examined the rehabilitated Loxin holes. The pink resin colour hasn't come through the gray drill dust, but one can see a gray patch where the old anchors were if one looks for it. The rehabilitation job has been quite successful. The rope wear marks (~20 cm long, 11 mm wide, 11 mm deep) at the head of pitch 6, immediately below where the Eyebolt/Loxin was are the most noticeable old scar. These could probably be 'repaired' in the same way as the Loxin holes were at sometime in the future; we do have some spare 'drill dust' and a small amount of glue left.

So, all in all it was a successful trip; the new bolts have been proven and used; they are well located and people doing Midnight Hole through trips in the future should be and feel somewhat more secure than they were when entrusting a single aging eyebolt/Loxin.

STC List Server Manager's Report

By Arthur Clarke

247 messages were successfully posted to the List Server for the 12 month period from October 1st 2000 till 31/10/2001. Most of the 20-25 non-successful postings returned to me (as your List Server manager) included email messages that either had attachments or embedded files ("pdf", "jpg" or other graphic files and partial "html" script) which "majordomo" List Servers do not accept. Another ten plus unsuccessful postings were submitted with non-acceptable fonts in html script.

If possible, please remember to format your email messages to the List Server in plain text. An analysis of the email addresses on our STC list of 92 subscribers

shows that 45 are STC members (including non-active Life Members); 17 are former STC members (or former Speleo Spiel subscribers); 11 are members of other Tasmanian caving clubs (Northern Caverneers, Mole Creek Caving Club, Savage River Caving Club & Tasmanian University Moles); 8 are mainland cavers (including WASG, SUSS, MSS, CCV & VSA); 11 are other interested persons, including overseas cavers from New Zealand, USA & Vietnam. Five (5) people are subscribed with two email addresses. Contributions to the STC List from subscribers should be sent to:

stc@postoffice.tased.edu.au

Cheers, STC List Server Manager, Arthur Clarke

Surface Work in the Niagara, Washout and Threefortyone areas: 28/10/2001 By Jeff Butt

Party: Dave Rasch, Jeff Butt.

Today was to be a surface day; with several things to tidy up. First we hoofed it along the new Niagara Pot track, this track is now the first right-hand turn off on the Khazad Dum track, (with Dwarrowdelf the 2nd right-hand turnoff and Cauldron/old Niagara track the 3rd right-hand turnoff). This track is a vast improvement, it turns a nightmarish (the bit beyond Cauldron Pot) hour walk on the old track into an easy twenty minute walk. We gathered some GPS fixes at



Niagara and surveyed in the JF29 tag. Before leaving the area, Dave was keen for me to experience some of the horizontal scrub West of Niagara. We played in this

scrub for about an hour, finding a couple of promising hole complexes along the contact. Presumably they have been looked at before, but we didn't locate any number tags. One hole ("Hole40") had a sizeable entrance pitch (~15 m), and according to the GPS lies over the area between the ends of Niagara Pot and the northwestern most parts of the Threefortyone system. So, Hole40 and the area in general warrants a look with caving gear and some rope....but be warned; the place is full of somewhat bothersome vegetation. We took a 'journey into the wilds' trip back; I joined the track about halfway back to the main KD track; but Dave was heading down the KD gully. Some voice assisted direction finding brought him 'back on track'.

After that we headed back to the car, rolled the 1 km down the road to the Chairman track. By this time Thor was active with his hammer, and it threatened to pour down. In a stupid gesture of solidarity, I left my coat behind, as Dave didn't have one.

Our first aim in this area was to surface survey from a couple of holes up the Washout Cave gully down to the JF129 number tag. These holes lie right above parts of 'new' Rift Cave and may provide an easy route into the distant ends of the

Threefortyone System. We headed up past "Spittin Flouride Chips" (Hole42) to the strongly drafting "John's Blast Hole" (Hole41), and then surveyed our way back past these holes to Washout Cave, a distance only of about 150 m.

By this time Thor's threats were much closer, and after some indecision, decided to risk it and head over to Threefortyone. We wanted to check out the area ~200 SE of the entrance; it is in this region that we believe that the steeply ascending 'master' passage Andras Galambos and I surveyed on 15/9/01 is heading. We found lots of exposed limestone, and some potentially 'diggable' holes, but nothing that promising. Of course, by this time Thor's hammering was being replaced by heavy rain, and we received a well-deserved soaking as we bashed back up for the security of the track, which we hit just west of Washout Cave. Fortunately the downpour was short lived and had ceased by the time we got back to the car. Not long after that we were at Tyenna Valley Lodge enjoying a coffee after a fun day in the bush.

All that is needed now is to put our newly acquired data in context with surveys of Threefortyone and Niagara Pot.

Owl Pot (JF221)-an Introductory SRT trip: 3/11/2001

By Jeff Butt

Party: Alan Jackson, Heather Nichols, Jeff Butt.

The aim of the day was to have a SRT trip of an introductory nature for a couple of new prospectives; Heather had been progressing very well at Fruehauf training sessions; Alan knows the ropes already, but was keen to get some more experience and gather some route-finding knowledge.

From the recent snowy winter, we expected that the Nine road would need some work. Unfortunately, the first bit of work was just after the link to Westfield road; where we found that the 30 cm diameter log over the road that we used to drive under had slumped down and was too low to drive under, and too large for the trusty bow-saw.....so we had to hoof it for the 1.5 km up to the Owl Pot turn-off. There were only minor other logs/sticks over the road; the bow saw could handle these. Also, there are plenty of encroaching shrubs, that a quick hack with a machete/slasher would fix. A few people with a few tools could 'fix' this road in an hour or two...something to program for a nice sunny day!

Soon enough we were at the entrance to Owl Pot, and heading in down the muddy hand-line. My overly-fine judgment of rope-lengths put the end of the rope right at the 3 m obstacle near the end of the drop; so adding another tape to the 2nd anchor allowed the 20 m rope to suffice. It is best to take 25 m of rope for this ramp!

The first main pitch (30 m) was a bit damp today. The rope was rigged from the natural bollard and spit on the left hand wall a few meters back from the drop, then Y-belayed up to the two rather dodgy spits above the drop (these are definite candidates for P-hanging!), and soon enough we were all down to the rockfall and at the head of the Bowling Alley pitch.

Normally this pitch is just rigged from a couple of large boulders and there is some rope rub, but after a little stuffing around, I managed to get a chock placement to act as a deviation and this gave a nice rub-free path for the rope. The rope again arguably slightly shorter than necessary....again 25 m of rope is better than 20 m here. But, it was easy enough to get off at the end and carefully descend to flatter ground. We then cruised on down to the streamway.

Since the water was up, I decided that we should lunch first, before tackling the final waterfall pitch. At this pitch head there are two spits on the right, as well as the excellent spike on the lip. The thread on the second spit has been stripped, and so this bolt also needs replacing (to my mind, Owl Pot which is often used as an Introductory SRT cave is definitely a priority for P-hanging). We didn't have much extra rope (we had 35 m, 30 m will suffice for the existing anchors, but you need about 45 m if you want to tie-back further up the passage) for any sort of extra tie-back, but I did manage to find a marginal chock placement; and so with the chock and the bolt equally loaded was happy for us to continue. The rebelay on the spike is great, but this places one about 20 cm closer to the mid-line of the waterfall and the wetness that goes with it! But, on this day, it didn't matter as once half-way down this pitch the waterfall was several meters wide ensuring that one gets a good soaking. Being considerate, I put a good amount of side-pull on the rope for Alan and Heather, who made it down mostly dry; but it did make the bottom half of the abseil somewhat slower.

Since the 'weather' down below wasn't very conducive for hanging around; we bounced this pitch. Alan shot up first; Heather ambled up second; again both benefiting from the side pull which helped them stay dry-but this did make the first bit of prussiking more difficult. I went and stood under (if you stand to the side, as soon as you leave the ground you pendulum right through the whole waterfall!) the waterfall, with my hood on and prussiked up in the deluge...it was about the wettest I've experienced this pitch, but this is caving and all is good fun. My marginal chock placement lasted till I (as the last person up), mounted the lip of the pitch... so it was more psychological than anything else! The sooner this pitch is re-bolted the better! We derigged and then started the nice warming ascent up the inclined passage.

Heading out was straight-forward enough; but some amongst us found that prussiking muscles are yet to develop. Six and a half hours after entering the cave, we were all warming up on the surface in the sunshine. The saunter downhill back to the car was quite refreshing and everyone declared it to be an enjoyable trip, which is an excellent sign.

This is a photo by Arthur Clarke of STC bods at the Helicopter training and Rotorlift evening recently. It is an example of the fun things you get to do when you're a member of a club. Hint, hint, hint, hint, hint.....



..... Cut or photocopy here

Southern Tasmanian Caverneers Membership Revival Form 2001/2



Name(s) _____

Postal address _____

Phone (AH) _____ (BH) _____ (mob) _____

Fax _____ E-mail _____

Membership category (please tick one):

Household	Standard rate (\$90)		Discounted rate (\$80)	
Full	Standard rate (\$65)		Discounted rate (\$55)	
Concession	Standard rate (\$45)		Discounted rate (\$35)	
Junior	Standard rate (\$45)		Discounted rate (\$35)	
Life with ASF membership	\$50			

Please forward payment to the Treasurer, STC, PO Box 416, Sandy Bay, Tasmania 7006. Cheques and money orders should be made payable to "Southern Tasmanian Caverneers".

Notes: The discounted rates are available to those who pay their membership fee by 7 February 2002 AND who wish to receive *Speleo Spiel* in electronic format only. Life members only require ASF membership if they are actively caving and so require insurance.

Treasurer's Report

By Steve Phipps

The STC made a profit of \$1721.66 in 2000/1 (see the Financial Statement below). However, there were exceptional reasons for this - we made a considerable profit from the book auction, received a \$500 grant from the State Government, paid no fees to the ASF and produced only four issues of *Speleo Spiel*. Had none of these been the case, the club would have made a significant loss, as it did in each of the four years that it had previously been in existence. Clearly, the STC has always been living beyond its means.

This difficult financial situation is made still worse by the recent large increase in the cost of public liability insurance. In June 2002, we will have to pay ASF fees that are expected to be \$18 per head greater than those that we paid this year. Furthermore, a levy of \$18 per head is due immediately to cover the increased cost of obtaining public liability insurance for the year ending 30 June 2002.

The challenge for the coming financial year is to ensure that the STC breaks even, whilst keeping the inevitable increase in subscription rates to a minimum. To this end, the club made a concerted effort during 2000/1 to reduce its expenditure, particularly with regard to *Speleo Spiel*. And, from 2001/2, members will have the option of receiving the *Speleo Spiel* in electronic form, in exchange for discounted subscription rates.

*The Treasurer.
Photo by Arthur Clarke.*



Southern Tasmanian Caverneers Inc. Financial statement for year ending 30 September 2001

	2001 \$	2000 \$
Income		
STC membership fees.....	1287.50	1235.00
ASF membership fees.....	155.00	115.00
Subscriptions to Speleo Spiel.....	220.00	187.50
Light hire.....	293.00	391.00
Gear hire.....	173.00	218.00
Gear sales	502.00	434.00
Publication sales.....	0.00	20.00
Donations	790.25	0.00
Grants.....	500.00	0.00
Social functions.....	0.00	80.00
Interest.....	264.83	234.78
Other	0.00	12.25
Total income.....	<u>4185.58</u>	<u>2927.53</u>
Expenditure		
Printing and photocopying.....	466.80	694.05
Postage	273.65	361.00
Stationery	11.40	119.85
Affiliations.....	90.00	897.50
Equipment purchases.....	1054.64	359.93
Equipment Officer honorarium.....	182.70	212.70
Insurance for gear store	0.00	152.06
Publication purchases	0.00	50.00
Scientific equipment.....	0.00	173.93
Scientific projects.....	25.00	49.30
Social functions.....	72.52	188.20
PO Box rental	90.20	88.15
Book-keeping.....	84.80	75.00
Bank charges.....	12.21	24.68
Other	100.00	20.00
Total expenditure	<u>2463.92</u>	<u>3466.35</u>
Net profit (loss).....	<u>1721.66</u>	<u>(538.82)</u>

Balance sheet

Petty cash.....	7.30	10.30
General Account	1345.58	116.55
Science Account.....	1788.68	1293.05
Cash Management Trust.....	<u>5000.00</u>	<u>5000.00</u>
Total funds held	<u>8141.56</u>	<u>6419.90</u>

Account reconciliation

Previous year's funds carried forward.....	6419.90	6958.72
Net profit (loss).....	1721.66	(538.82)

*A handsome club member with office, Would never consider girl's offers,
He'd say with great drama, Unless you give 'nana,
Your subs will go to the coffers!*

STC Annual Dinner and Speleosports Challenge at Waterworks Reserve

By Arthur Clarke & Robyn Claire

The 2001 STC Annual Dinner on Wednesday November 21st was a great occasion – despite the few mosquitoes and marauding possums that ate the pavlova! The Waterworks Reserve had been promoted as our dinner site by Jol Desmarchelier, suggesting the barbeque setting in the bush, instead of going to Sandy Bay Beach, but where was Jol? [He had just circulated a note to the STC List Server requesting assistance for a quick rush trip into *Growling Swallet* with visiting Norwegian caver/ academic: Steinerik Lauritzen, promising to return in time for the BBQ dinner!]

The dinner at Waterworks Reserve coincided with our third Wednesday social night gathering, so if you went to Shipwright Arms Hotel at Battery Point, you missed out! There was a flurry of activity – with comings & goings of vehicles - just before 6pm, when the Hobart City Council closed the entrance gates to the reserve. You had to have your passenger vehicle outside the gates or be prepared to have your car locked in overnight. Our selected barbeque site was at the end of the road: Site Number 9 – one of the new open-fronted shelters with tables and benches and an outside raised verandah with picket railing fence and fixed tables. All in all... quite a long walk from the entrance gates. Part of the planned "activity" included the fund-raising sale of homemade fruit wines to assist the ailing STC coffers: raising \$60.00 as a donation. The major entertainment of the night was the unplanned (?) impromptu "Speleosports" challenge organised by Joe Farrell and put in place with assistance from Grace Bunton (daughter of Steve and Kathy). Steve Bunton and Grace tested the course prior to departing with Kathy; Russell Fulton had a brief look as well but departed prior to the fun and the Thai student/ cave-biologist (Ja) departed even earlier for another party.



The Speleosports challenge was a timed event with penalties and bonuses, basically being an obstacle course with a few other physical challenges along the

way. Contestants were initially blindfolded (with toilet paper or black "sloppy jo" sweater), and then in the dark had to remove the "dead" batteries from a Petzl headset and replace them with new batteries in correct order.



The light had to function before you were released from your blindfold and advanced to the next stage: traversing the underside of a fixed table without touching the floor. From here you raced across the verandah to the "cave" crawl: where you had to avoid touching any stals or 'mites as you slithered underneath a lattice of fishing line strung between a table and the picket fence. The speleothems were quite original: thin hollow "straws" of spaghetti were pegged to the fishing lines and an array of yoghurt containers represented the stalagmites; you were penalised an additional three seconds for every straw stal you touched, five seconds for any stalagmite and ten seconds extra penalty if you broke a straw stal or knocked one of the mites over. After your exit from this grueling cave exercise, there was the cave traverse:

around the picket fence on the outside of the verandah. The Speleosports challenge had a finale with a difference: you then had to skol a tinnie of beer! Most contestants piked at this, but were allowed to stand and imitate the occasion with a number of audible "glug, glug glugs" etc. For those few of us that did attempt to skol at least half of the tinnie, ten seconds was deducted from our time! Results of the speleosports challenge with contestant name and corrected times follow, along with the judges comments:

- 1: Jeff Butt – 2minutes, 12 seconds;
- 2: Joe Farrell – 2minutes, 19 seconds (given extra handicap difficulties for only providing the beer that he likes);
- 3: Hans Benisch – 2minutes, 32 seconds;
- 4: Janine McKinnon – 2minutes, 35 seconds (refused to skol beer);
- 5: Steve Phipps – 2minutes, 45 seconds (rough handling);
- 6: Ric Tunney – 3minutes, 15 seconds (refused to skol beer);
- 7: Angela – 3minutes, 16 seconds;
- 8: Arthur Clarke – 3minutes, 40 seconds (broke straws with headlight, but skooled his beer);
- 9: Sarah Boyle – 5minutes, 4 seconds;
- 10: Robyn Claire – 5 minutes, 15 seconds.

Dear Dorothy,

I am an experienced caver and I would like to explain a little dilemma to you. Your advice would be greatly appreciated. I was recently on an expedition in the Mt. Owen area of New Zealand. We had 8 people in our expedition; split into two teams of 4. Each team would take it in turns of caving and campsite duties, reversing roles each day. We were exploring a cave, about an hours walk from our camp. On day 6 of the expedition, my group was 400 m below the surface. We had run out of rope, and so decided to head out. For this we split into two teams of two. I was in the second team, we were about twenty minutes behind the first team. Anyway, we were at about -300 m, I was on an 80 m pitch, with two rebelay, about equally spaced down the pitch. I had just passed the lower rebelay when I noticed that the rope above had been severely damaged; the sheath was totally severed and the two ends of the sheath had separated by about 40 cm. I could only just get my top ascender above the damaged sheath, but every time I tried to put weight on it, the sheath unraveled further and the ascender slipped down the core bundles. This is really freaking me out, what should I do??

yours freakingly, Felix.

=====

Dorothy's response to Derrik's Dilemma, in Speleo-Spiel 326, page 3:

Dear Dangerous Derrik,

you and your 'suspended novice' are indeed in a spot of bother, but your are somewhat fortunate that your situation is not significantly worse with a fatality on your hands!

You have broken a couple of fundamental safety rules;

1. Always put a knot in the end of any rope thrown down a pitch; even if you are sure it reaches the bottom. A knot in the end of the abseil rope lying on the ground is of no consequence (provided you remove it before doing your pull-through). A knot in the end of the rope, hanging above the ground is a life-saver!

2. When doing a pull-through trip with novices, you should have two experienced people in the group. One experienced person (equipped with SRT gear) should abseil first to sort out any tangles in the rope and check that the rope reaches the bottom of the pitch. At the bottom of the pitch this person should act as a bottom belay for the inexperienced abseilers and also ensure that when the inexperienced people have reached the bottom of the pitch, that they remain out of the danger zone, (i.e. where rocks or dropped gear may fall). The second experienced person at the top of the pitch should check that the novices have a safe approach to the pitch head (part of the retrieve line may be used for this

purpose; the novices attach themselves to this with a cowstail) and that they have correctly threaded their descender prior to commencing the abseil. They may also require some helpful instructions for negotiating the pitch-head. A final job for the last abseiler is to sort out the ropes to ensure a successful pull through occurs.

Anyway, back to your dilemma. It is fortunate indeed that your abseiling novice has not abseiled off the end of the rope! Your immediate priority is to prevent her from doing so! You should yell to her to STOP abseiling. Hopefully you have explained to her how to lock off the descender; which is the next step. Then you should get her to tie a knot in the end of the rope; something you should have done after threading the rope through the anchors!!!!

There are several ways to proceed from here; but the following is elegant and simple. First pull up the other rope to ensure that the 40 m rope and not the 20 m rope is attached to the other side of the anchors. If it is not, change the order of the ropes so that it is, and ensure that the end of the 40 m rope is anchored so that you can prussik back up this rope. Add a knot in the end of the 40 m rope and carefully lower it down the pitch. You should then instruct your other novice to wait in a safe position until you return. Then you should start to descend the 40 m rope. When just above your stuck abseiler, stop abseiling and lock

off your descender. Depending on your relative weights and type of descender, you may wish to add extra friction to it. Then connect your long cowstail to her harness, and connect her long cowstail to yours. Then ask her to abseil so that her weight is on you. She can then detach her descender from the rope and you can carefully abseil her down to the floor of the pitch. You will then need to place her in a safe position and check that she is OK. Don't be surprised if she is petrified and/or has no trust in you. Once she is OK, it would be wise to instruct her how to safely act as a bottom belayer for the other novice.

Now, you should prussik back up the pitch, pull up the ropes and ensure you thread them with the 40 m rope down the pitch (with a knot in the end), and have the two 20 m ropes on the retrieve side. Once the second novice is safely down the pitch, you should sort out the ropes and follow. Finally remove the knot in the end of the 40 m rope, retrieve the ropes from the pitch and continue on with your trip.

Experience is a good teacher. I hope you will never make this mistake again!

Dorothy.

DOROTHY AND STC
WOULD LIKE TO WISH
EVERYBODY A HAPPY
AND SAFE FESTY
SEASON! !

100m static rope

New trog suit



STC WaReHoUsE SaLeS

Publications

- "Caving Safety 1 Manual", 92 pages, covers Planning, Safety, Maps, Gear, Rigging, Emergencies etc. \$20.00
- Back Issues of Southern Caver, Speleo-Spiel. There are various issues available. Please contact the Librarian, Greg Middleton (gregmidd@ozemail.com.au) with your requirements. ~\$1 each

Gear

- 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. \$55.00 each
- LARGER or SMALLER-SIZED PACKS ALSO AVAILABLE, JUST ASK. POA
- 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
- BATA full-length Gumboots, Size 9, Green with Orange Sole, and steel toecaps. \$25.00

Tape

- Edelrid 25 mm tubular tape. Ideal for rigging, chest harnesses etc. \$2.00 per m
- 5 cm (2") flat tape (ideal for harnesses, rigging, gear bags, belts etc.) (Black or White) \$1.80 per m

Safety

- Rivory 10 mm dynamic rope (for cows tails, safety loop) \$4.00 per m, e.g. Cowstail \$11
- Space Blankets (don't be caught underground without one!) \$4.00 each
- Miracle Body Heat Packs (20 hours of portable heat, 50 gm sachets, carry a couple) \$1.00 each

Lighting

- Yuasa Gel-cells, 6 Volt, 7 Amp-Hour \$24.00 each
- Metal Lamp Brackets, complete with fixing rivets and cable keeper \$7.50 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.) \$7.00 each
- Eveready 6 Volt, 0.5 Amp Flange Mount Bulbs #1417 (for HIGH Beam) \$2.00 each
- Tandy 6 Volt, 0.3 Amp Screw Base Bulbs #50 (for LOW Beam), blister packs of 2 \$2.00 each
- Jets (21 litres/hr) for Petzl kaboom (just a couple left) \$5.00 each

Tow Ropes/trailer tie downs/yacht mooring lines etc.

- RETIRED CAVING ROPE, no longer safe enough to use for caving purposes, but more than adequate for many other purposes. Available in various lengths. \$1.00 per m, less for the stiffer stuff

If you need any of the above please contact Jeff Butt on (03) 62 238620 (H), or jeffbutt@netspace.net.au, or write to us:
SOUTHERN TASMANIAN CAVERNEERS, P.O. BOX 416, SANDY BAY 7006.

The Southern Tasmanian Caverneers:

Membership current at 1 Dec 2001

Given name	Family name	Postal Address	Phone [H]	Phone [W]	Mobile	E-mail
Jason	Adams	2086 Huon Rd, Longley 7150				
Tim	Anderson	Jane Franklin Hall, 6 Elboden St, South Hobart 7004	6221 7189	6223 2000	0411 035 905	timothy@postoffice.utas.edu.au
Hans	Benisch	27 Matthews Rd, Longley 7150	6239 6899			hbenisch@netspace.net.au
Alaric	Bennett	93 Summerleas Rd, Fern Tree 7054	6239 1226			alaricbennett@hotmail.com
Damian	Bidgood	c/- Police S&R, 76 Federal St, North Hobart 7000		6230 2267		damian.bidgood@police.tas.gov.au
Gavin	Brett	11/32 New St, Hampton, VIC 3188	9521 8218	9544 0866		g.brett@aerosonde.com
Kathryn	Bunton	PO Box 198, North Hobart 7002				
Stephen	Bunton	PO Box 198, North Hobart 7002	6278 2398	6234 6566		sbunton@postoffice.friends.tas.edu.au
Jeff	Butt	22 Clutha Pl, South Hobart 7004	6223 8620	6223 8620		jeffbutt@netspace.net.au
Liz	Canning	124 Wentworth St, South Hobart 7004	6223 7088	6233 6176		liz@dpiwe.tas.gov.au
Sam	Carey	119 King St, Sandy Bay 7005				
David	Chiam	22 Armadale St, Thornbury, VIC 3071		9875 9200		david.chiam@extel.com.au
Robyn	Claire	PO Box 4, Dover 7117	6298 1107			robynclaire@hotmail.com
Arthur	Clarke	17 Darling Pde, Mt. Stuart 7000	6228 2099	6298 1107		arthurc@southcom.com.au

Speleo Spiel - Issue 327, October-November 2001.

Bob	Cockerill	14 Aruma St, Mornington Heights 7018	6244 2439	6233 6832		
Given name	Family name	Postal Address	Phone (H)	Phone (W)	Mobile	E-mail
Mike	Cole	1228 Horseshoe Bend Rd, Torquay, VIC 3228	5261 7501			
Brian	Collin	66 Wentworth St, South Hobart 7004	6223 1920			
Charlie	Crofts	64 Bridge St, Richmond 7025	6260 2194			
Rachel	Cross	38 Howrah Rd, Howrah 7018		6247 6454	0402 624 600	crossrachel76@hotmail.com
Tony	Culberg	PO Box 122, Lindsfame 7015	6243 0546			culbergf@bigpond.com.au
Chris	Davies	3 Alfred St, New Town 7008	6228 0228			cjdavies@hob.pittsh.com.au
Jol	Desmarchellier	22 Ocean Esp, Blackmans Bay 7052	6229 9731	6226 2837		
Rolan	Eberhard	18 Fergusson Ave, Tinderbox 7054	6229 3039	6233 6455		rolane@dpiwe.tas.gov.au
Stefan	Eberhard	2 Churchill Ave, Margaret River, WA 6285		08 9757 7411		smecwork@netserv.net.au
Joseph	Farrell	1/205 Churchill Ave, Sandy Bay 7005	6225 3839			vfarrell@postoffice.utas.edu.au
Hugh	Fitzgerald	124 Wentworth St, South Hobart 7004	6223 7088	6226 1740		Hugh.Fitzgerald@utas.edu.au
Russell	Fulton	PO Box 81, Bridport 7262	6395 6330	6395 6330		rfulton@vision.net.au
Andras	Galambos	3/14 Lanena St, Bellerive 7018	6244 6669			baandi@mpx.com.au
Therese	Gatenby	PO Box 69, South Hobart 7004	6239 1432			theresemf@hotmail.com
Albert	Goede	69 Esplanade, Rose Bay 7015	6243 7319	6226 2461		Albert.Goede@utas.edu.au
Anna	Greenham	43 St Georges Tce, Battery Point 7004	6224 7566			annagreenham@hotmail.com
Steve	Harris	3 Petty St, West Hobart 7000				
Kent	Henderson	PO Box 332, Williamstown, VIC 3016	9398 0598	9398 0598	0407 039 887	kenthen@optushome.com.au
Sharon	Heritage	GPO Box 1956, Hobart 7001	6231 4189	6221 0466		sharon.heritage@ato.gov.au
Andrew	Hogarth	PO Box 18, Lune River 7109	6298 3117	6298 3117		luneriver@trump.net.au
Nick	Hume	8/71 Mt Stuart Rd, Mt. Stuart 7000	6231 0348			
Alan	Jackson	45 Duke St, Sandy Bay 7005	6224 5418		0419 245 418	jacksoar@postoffice.utas.edu.au
Phil	Jackson	8 Malunna Rd, Lindsfame 7015	6243 7038			
Barry	James	52 Edge Rd, Lenah Valley 7008	6228 4787			
Max	Jeffries	18 South St, Maydena 7140				
Kevin	Kiernan	F.P.U., Royden House, Patrick St, Hobart 7000	6239 1494	6233 7716		kevink@fpb.tas.gov.au
Ron	Mann	10 Swinton Pl, Rose Bay 7015	6243 0060	6220 5246		
Janine	McKinnon	GPO Box 1017, Hobart 7001	6243 5415			jmckinno@tassie.net.au
Greg	Middleton	PO Box 269, Sandy Bay 7006	6223 1400	6233 2336		gregmi@dpiwe.tas.gov.au
Dean	Morgan	15 Cades Dve, Kingston 7050	6229 4405	6234 3113	0438 294405	dmorgan@tesa.com.au
Dave	Nichols	1/2 Excell Lne, South Hobart 7004	6224 4737	6226 1831		D.Nichols@utas.edu.au
Heather	Nichols	13 Willow Ave, Kingston 7050	6229 4362		0414 294 362	nichols5@iprimus.com.au
Stuart	Nicholas	7 Rupert Ave, New Town 7008	6228 3054	6278 1248	019 977 953	stunich@pin6.com.au
Steve	Phipps	133 Waterworks Rd, Dynnyme 7005	6223 3939	6226 2251		sjphipps@utas.edu.au
Tom	Porritt	PO Box 60, Millaa Millaa, QLD 4886	07 4056 5921			
Dave	Rasch	25 Delta Ave, Taroona 7053	6227 9056	6232 3333		david_ras@antdiv.gov.au
Andy	Roberts	29 Queen St, Lorn, NSW 2320			0408 568 564	andyroberts@netspace.net.au
Phil	Rowell	c/- 22 Clutha Pl, South Hobart 7004				
Timothy	Rudman	101 Wentworth St, South Hobart 7004	6223 4386	6233 3912		tim.rudman@dpiwe.tas.gov.au
Chris	Sharples	GPO Box 1941, Hobart 7001	6239 6669	6239 6669		sharples@netspace.net.au
Aleks	Terauds (Snr.)	60 Belair St, Howrah 7018	6244 3406	6244 3406		
Richard	Tunney	GPO Box 1017, Hobart 7001	6243 5415	6223 9833		Ric.J.Tunney@team.telstra.com
Peter	Verwey	28a Rialannah Rd, Mt Nelson 7007				pverwey@netspace.net.au
Jodie	van de Kamp	4 Hill St, West Hobart 7000	6231 5204		0409 214 374	
Trevor	Wales	214 Summerleas Rd, Kingston 7054	6229 1382	6229 1382		trite@ozemail.com.au
David	Waugh	8 Queen St, Sandy Bay 7005	6224 6592	6224 3900		cedaje@bigpond.com
Mick	Williams	Lot 16, Esperance Estate, Police Point 7116	6297 6368			
Geoff	Wise	93 King St, Sandy Bay, 7005	6223 4020			wiseg@postoffice.utas.edu.au

Got anything you want to shift?

There's a whole bunch of people listed up there who might give you money for your crap valuable preloved possessions.

It doesn't need to be caving related.