**MATIENZO CAVES PROJECT**

# LOGBOOK

Year: 1981

Season: summer

Logbook pages scanned to jpg then combined into a pdf file using http://smallpdf.com/

*Juan Corrin, January 2015*

# 1981

Cistern Caddle — 1st Pitch — 7 ladders. 360ft line. (Pull back?)
Long belay for ladder. 1 pulley with long belay.
Back up belay for pulley. Hangers.
2nd pitch — 3 ladders. 150ft line. Pulley. Hanger.
Short belay.

Between Worlds → Bottom.

p13/8 + 11/7. ~~4~~ ladders. Long belay. 150ft Rope for single line.
Bolt in for double line. Hangers needed.

p16. 2 ladders. Bolt belay. Bolt for double line.
120ft rope for double.

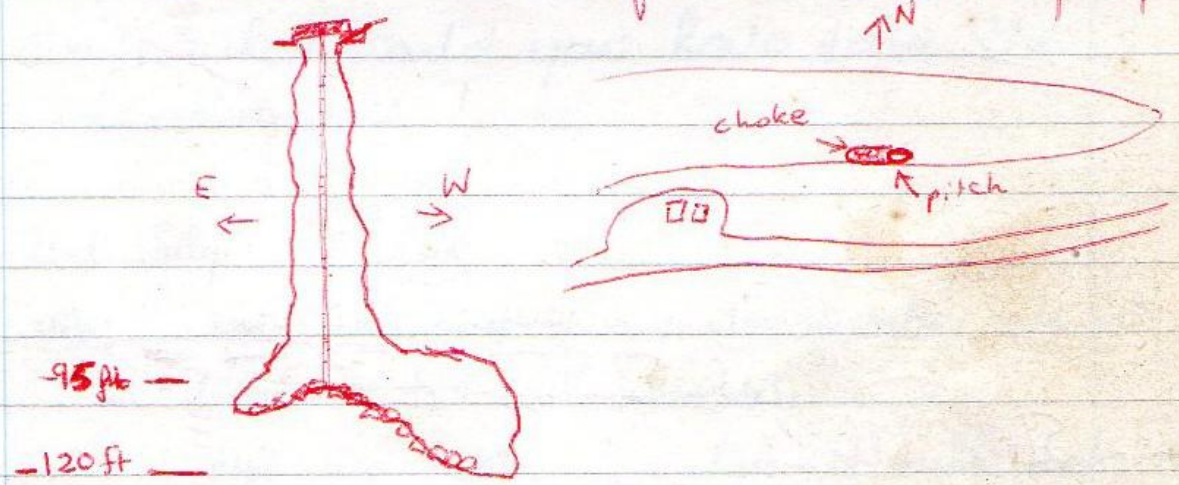
p14. 50ft hand line. No bolt.

p16. 2 ladders. Long belay. Bolt needed? for double line
120ft double line.

Codiseta end — p11/5. 2 ladders. Long belay. ~~90ft~~ 110ft rope
for double line.

17th July — Juan + Penny arrive.

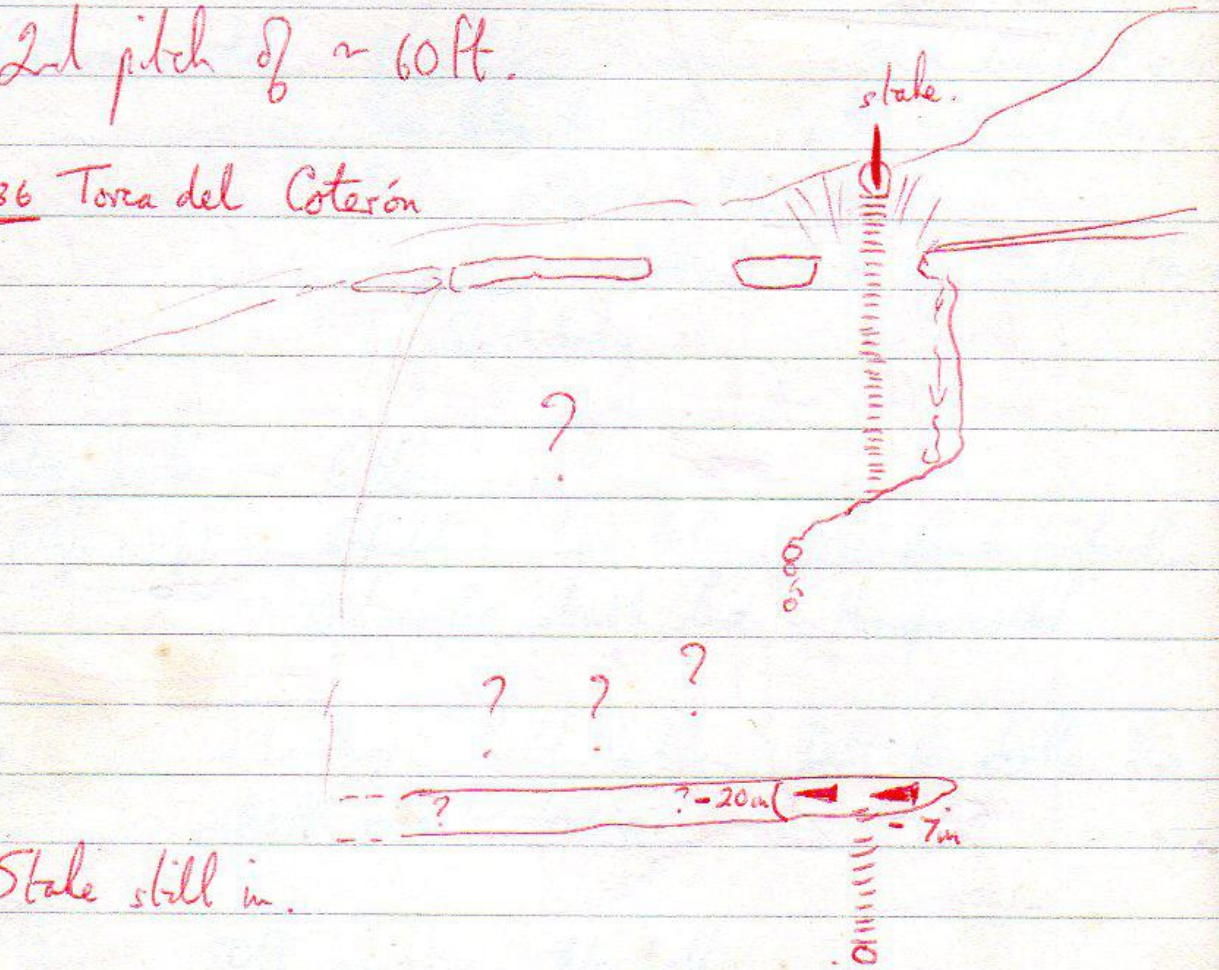
19th July. Pete, Juan, Penny, Carmen, Miguel up to 111 about 10m from the road. Covered with boulders - Pete descends 90ft or so to the inevitable choke. Farmer + wife and kids suitably impressed.




Drove up to FLV and ran along track where we walked to 136 - a line of shakeholes heading straight to Santander. No gelly - so one of the kids sent off for a stake - 10 minutes he returns with large stake and hammer, and many more people and dogs. 14 people watch Juan descend, Pete comes down as well. Could be a winner. Strong joint/fault with water still going. May need a bolt or staple to pan boulders at lip of

2nd pitch of ~ 60ft.

136 Torca del Coterón




Stake still in.

Pat arrived. - El Buffoon.

LINDA: WHAT EVER HAPPENED TO CRISPIN??!!

20 July 1981

Juan, Pete & Pat to La Cuevuca to examine pit bottomed by Brize at ~~Easter~~. Much nibbling and piddling around to find that its 200' and joins the large base hole passed on entry*. Dead End. But deep. Penny

water colouring the landscape/ I was sunbathing quite happily 'till I spotted two vultures circling overhead!/

* Not necessarily - see survey.

LINDA: WHAT EVER HAPPENED TO CRISPIN?? !!

JUAN: What would you have told the headmaster?

21st July. Enaso.

184. depth 5m. length 10m. 1m diameter hole with climb into two small chambers.

202 depth 10m. approx. Pitch in small shakehole behind boulder. Narrow take-off (undescended)

204 depth 8m. approx. Steep slope in shakehole leading to head of rift in dark shiny limestone (undescended)

224 depth 6m. approx. Lowish opening sloping to a 5m drop into chamber (undescended). Another small rift cave lower down in doline.

21 July Llanas de Jaurrieta

225 Very large depression with many shake holes in base - 3 descendable all on a line.

227 Line of depressions, one of which has thick thorn bushed fencing it off & barbed wire across the top.

Line of depressions to the right of path running N of Ogarrio just N of hill 145,20, large one at base worth a look at.

Depression 303 (half way between 225 & 227) full of gorse & trees - very shattered area.

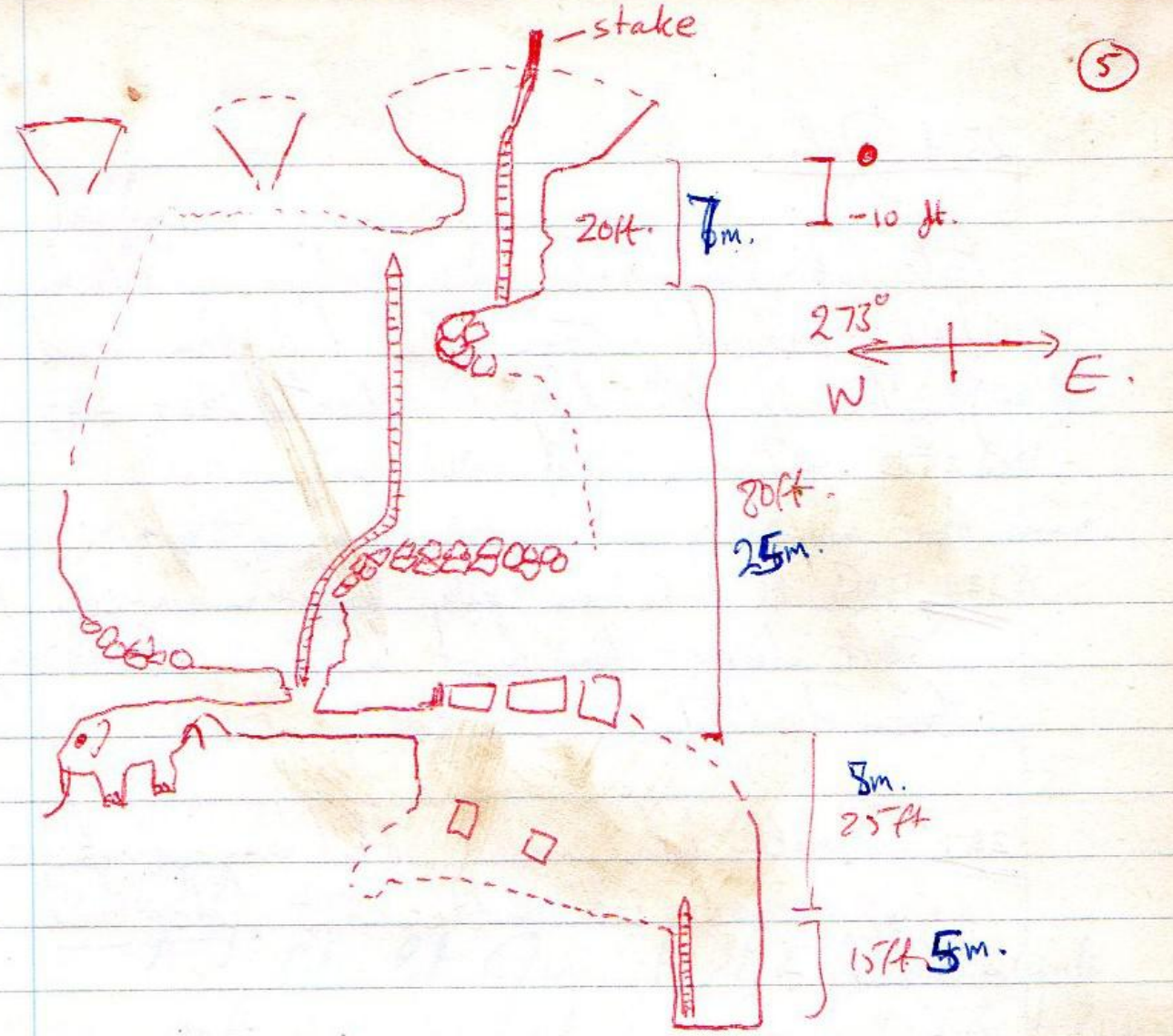
Penny. I done a course on it but only with a rubber woman.

## 22nd July

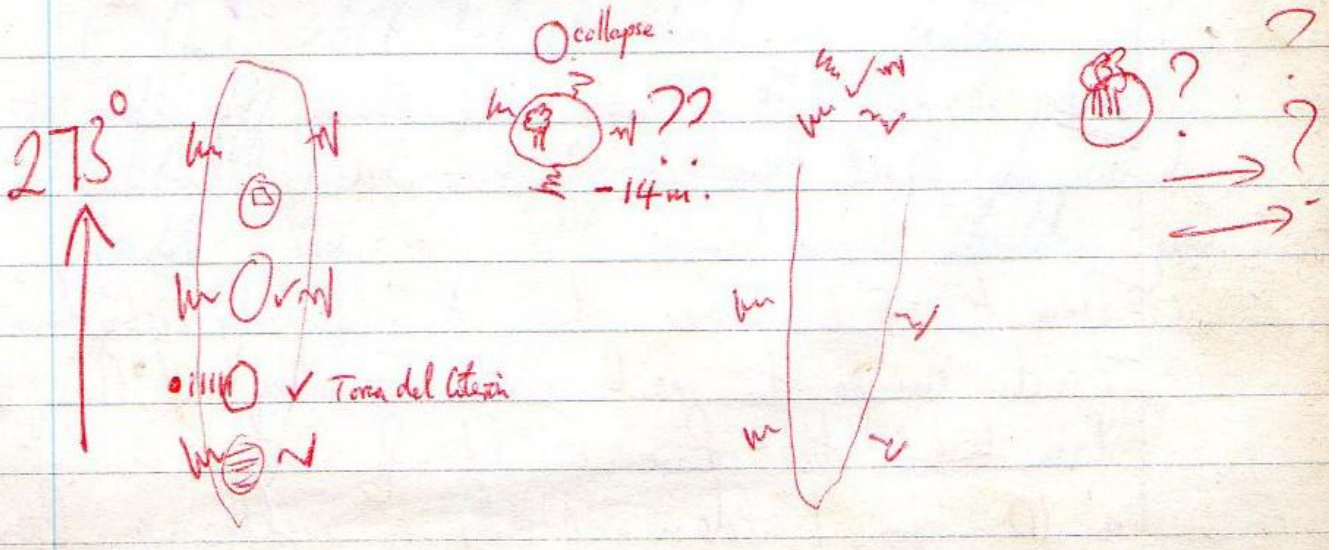
Pete, Pat, JuJu and Penny to Tora del Coteron.

Penny got a bit lost in the mist

Grassy slope into 20' rift onto muddy ledge. Immediately into 80' rift with loose ledge half way down. This leads to an area of collapse which can be climbed down through to a 15' final pitch to a choked pit. Very loose, very shitty. - Pat wasn't much better - JuJus horn is stays at the top.




Move holes to look at (not yet numbered)



23rd July.

Pete, Pat, Pen JuJu jungle bashing in Rocky Horror Valley - followed stream bed down from road to junction of 2 valleys. Relocated 229, 249, 250, 252.

229 Small hole on only ledge in area. About 50ft deep - has been dug in past (1979) with "obvious draught" - needs looking at!

249 Small hole under blackberry bush - 5ft drop squeeze into another 5ft drop and small chamber

250. Rift filled with branches. About 20ft deep but far too tight.

252 In tree-filled shakehole. Drop through boulders into a small boulder chamber. About 7m deep.

Then to F.L.V base then to locate Astradome sink. Thick jungle to reach water in valley and then jungle down ~~Rive~~ to where a lot of water is lost over a 10m in boulders. Needs a walk up from the

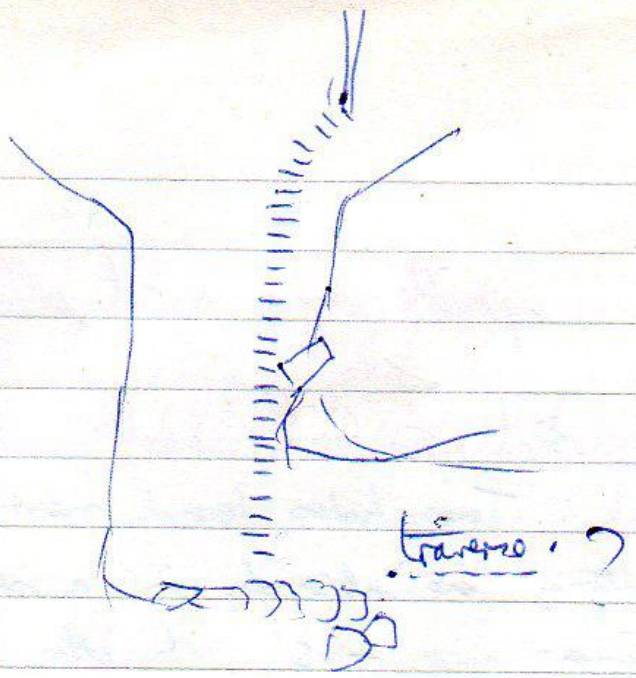
bottom.
"A" is possible dig - recent collapse.

253 Holes at Emilla Walk. R.L.P. (1979)
Frank: Two holes found next to R.L.P. both draughting, one strongly in a sloping rift maybe too narrow after -15', the other is tight at top between boulders and closes within -20'.

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24th July.
Pete, Pat, Juan to Riaño to investigate 100 - 200ft shaft mentioned by Joe and Tobo 2 years ago. Belay to saplings near chestnut tree. Drops onto ledge (after 20ft) containing large dosses. Further 20ft climb back on boulders with rift off. About 30ft to floor. Looks promising but needs bolt in rift wall to avoid ladder touching 1st dosser and boulders jammed in rift.

254




?

255. Pat into resurgence – low, wet, needs lump hammers to smash stal. 20ft in.

256. 3 ladders put on 27ft pitch. Lands on choke. Nice shaft at edge of trees.

257 Pile of boulders cap the shaft in field. 15ft ladder to pile of boulders, bones. Further 15ft down over this lands on boulders with 5ft passage and 10ft passage – both choked. Pot is over more a pile of boulders.

Shaft marked on Uzuka tracing near Chi appears not to exist – Joe?

Pete didn't leave daylight all day – so it's his turn to go first next time.

Thanks to Patrick for being the belay for 257.



25th July

Mega trip to Cuevas de Covalanas near Ramales. Juan, Pete, Penny, Carmen and Pat set off in two cars. First stop was Ramales which was closed. However loud shouts produced a man who reluctantly changed our gas bottles. We then proceeded to the cave, climbed 700 metres up a steep hillside to find that the cave was closed. Trudged down again and drove to the mirador



Patronato de las Cuevas Prehistóricas
de la Provincia de Santander

Cuevas Prehistóricas de Ramales
«COVALANAS»

Billete individual para
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50,- pesetas

Los Tornos where we were peacefully enjoying the view, watching an eagle and listening to the alpine choughs

when a carload of Spaniards, mostly female and scantily clad, descended upon us. Transistor radios blared, cameras clicked and all good life fled. So did we, via 2 bars to the caves which were well worth visiting, having several excellent drawings of cattle, horses and deer. Went on to Riba to see the illusionist advertised to perform at 6.30 only to find that he had vanished. Patrick taught us a game of dice whose only rule seemed to be that whatever happened Penny bought the next round.

John + Colin arrived.

26th July.

Juan, Patrick, John, Colin and Pete go to Seldesanto. First they investigate large shakehole (258) with two draughting holes - need digging - * with other draughting hole nearby - also needs digging.

Then they look for Cueva del Humo, but don't find it; but Juan finds another small cave instead, about 10m long (259), with three entrances.

At the bottom of the hill they explore Cueva de Arenal, and Pat has his photo taken, but the choke is very solid. Perhaps with a Tirfor..... Wet crawl needs looking at.

Finally they start looking at the obvious entrances seen to the left of the road from La Vega to SeldeSanto, while Juan is the surface controller from the road. Lots of caves are looked at but not many are longer than 25 ft. One is about 75 feet long, you can stand up, phreatic tube in roof etc. (260)




Frank, Paul, Ron, Jill. arrived.

* SEE LATER!
THUR. 30.

2 entrances looked at by the BSC mob.

① - 15' crawl to small chamber + choke.

② - 20' crawl to chamber with nice white calcite gour etc. 15-20' high rifts in roof. "squeeze" to further small chamber. also well decorated. (261).

to the west of .260.

27th July.

John, Julie, Fred, Jean + 2 kids arrived.

Frank, Pat, Jean, Penny up Seldesubt to continue looking at holes in bedding. Pat and Jean into a descending phreatic tube about <2m> in places - about 30m long. (262) Choke - too tight at bottom no draught. Frank investigate <7m> phreatic half tube easily visable from road. Turns out to be 72m long with a 14m shaft to surface. Strong draught comes out of entrance - very cold - some comes from rift at pitch end. Some comes from RH passage. Dig here entered 2 small chambers and end is at a pebble calcite dig with a light

draught. (263). Surveyed + photographed
Pat Ren climbed to a couple of small
holes with Frank. No go.

Team B (Paul, John, Colin, Pete) go up to shaft and caves behind La Vega Bar. We are told that the shaft is called Torca de Coterón (Not another!) We go slowly up the hill, stopping while Colin explores small cave. Then we detect the shaft by the clouds of steam rising from the entrance. A rainbow hangs over the hole. (264). Paul descends to the end of the rope and then returns. 60m of rope gets you down the shaft O.K., but not down the big chamber underneath it! Must return with more rope.



Sunday last clothes conserved without getting dirty.

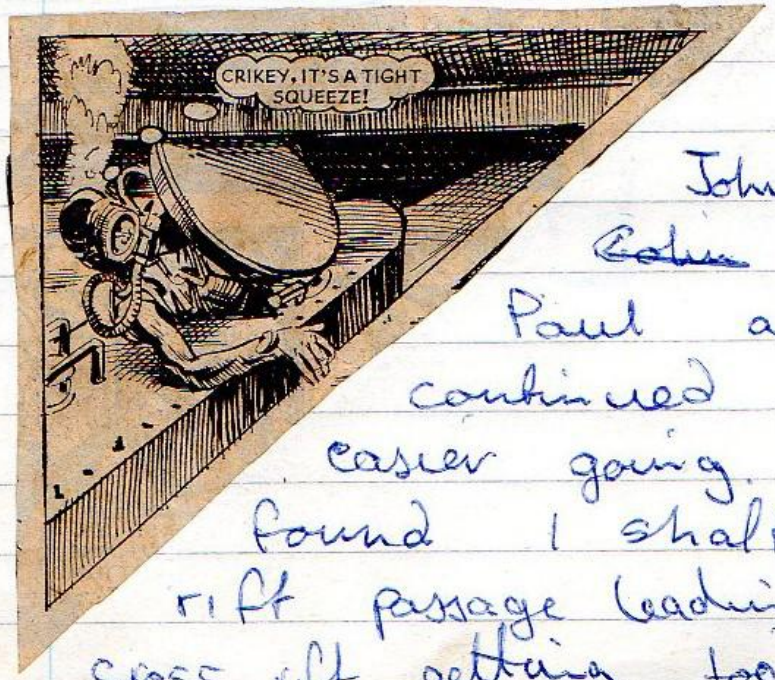
Colin and John push the new cave higher up. Approx 83m long, mostly walking, sandy floors Later it is surveyed. (266)

On the way down we survey through the large remnant eyebrow cave (265), and investigate the large overhang cave (267). A passage on the right chokes, the left ends in a draughting climb up.

John + Linda arrived

28th July Gran, Pat, Frank to Kiaïs to look at shaft above 1st River Inlet (254). Pat traverses out to put in bolt and then descends to find the choke. On way out Frank notices bedding which draughts on east side of shaft. Dug for a while – good prospect for diggers. Short above also entered on west side of shaft.

Walked back to the Cuvia valley past a large range depression (VN ) at the east end of which emits a draught in a depression. In the valley – a resurgence with "water works" at entrance. Draught outwards but needs permission. Wet crawl to start with. (268).



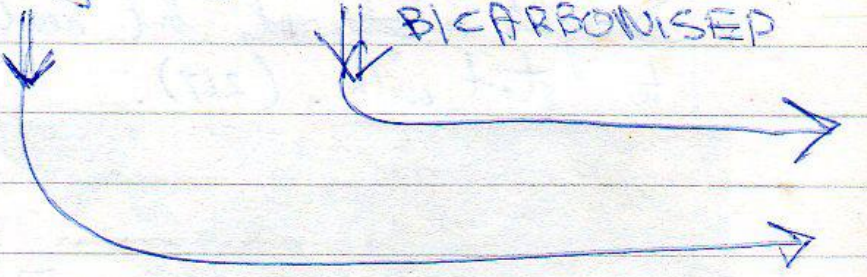

John John + Julie (Ltd) ~~John~~ left Pedro and Paul at shaft and continued up hill until easier going, looked around. found 1 shaft (269)? 30 – 35' deep rift passage leading off to a cross rift getting too tight in both directions. Area looked at about 100'm

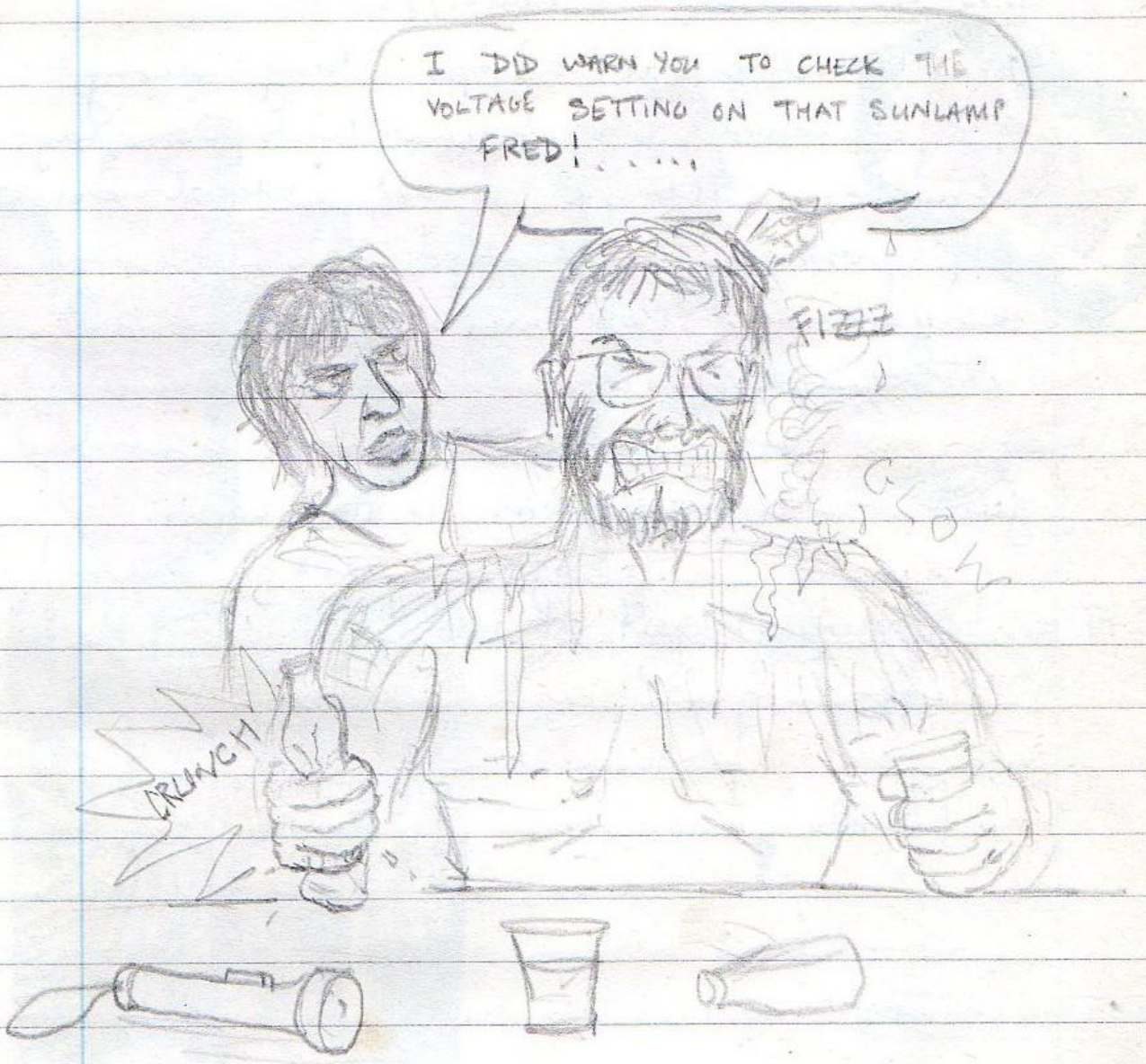
higher up than Petes + Pedros hole, and up to 300 m up valley.

Colin looked at hillside in area above and to the left of 264. Straight up from 264 led to about 6 shakeholes in valley to left - all choked.

On next ridge West of 264 at approx same height found shaft approx 2m deep and 1½ m diameter. (270).

Lead got fried, then ~~contaminated~~.




I DID WARN YOU TO CHECK THE VOLTAGE SETTING ON THAT SUNLAMP FRED!.....
FIZZ
CRUNCH

Toca de Coteón – Paul / Pedro

(264) Finally got a rope long enough and descended the shaft – lands in large chamber. Stomped around the obvious big passages + returned. Stal floors everywhere. Now needs surveying + photographing, also a good drawing of many of the passages being parted further. (Guestimated length 200 m. Shaft = 200 ft approx).








# 3 GREAT STORIES START TODAY!

29th JULY.

# VICE

BUM

facundo

SCOOP!! Photos of the Royal Consumation! -See Pg. 3

KEITH, TOBO, PHIL, HICARY, ROY, JULIO AGRINE.
y PETE ASHER.

SOMEWHERE IN AGUA....

NEW SERIES!!
"How caving changed my life!"
by Stuart Davey.



Wed 29. Walked up to diverse entrances seen from FCV bar ½ km NE. of Cuelo. They are numbered with cowbide from West to East. ① (271) 5×3M slot with draughting right above ② (272) 18×3M blind cave, 18M deep, trickle from shaft in roof, lots of bull excreta around (should be good place for MUSS pinions) attacked bull which was in back of cave + it ran away.

③ (273) continue along bull path until cold draught hits left earhole, this comes from 1M² entrance and is strong enough to make lighting of lamps difficult + will blow ~~out~~ explorers notes about (so these!) inside is 16M boulder heap with draughting above from which icy blast comes Extended by John Allanby on up even to 10M crawling visit

③A Small pocket cave next to ③, good draught.

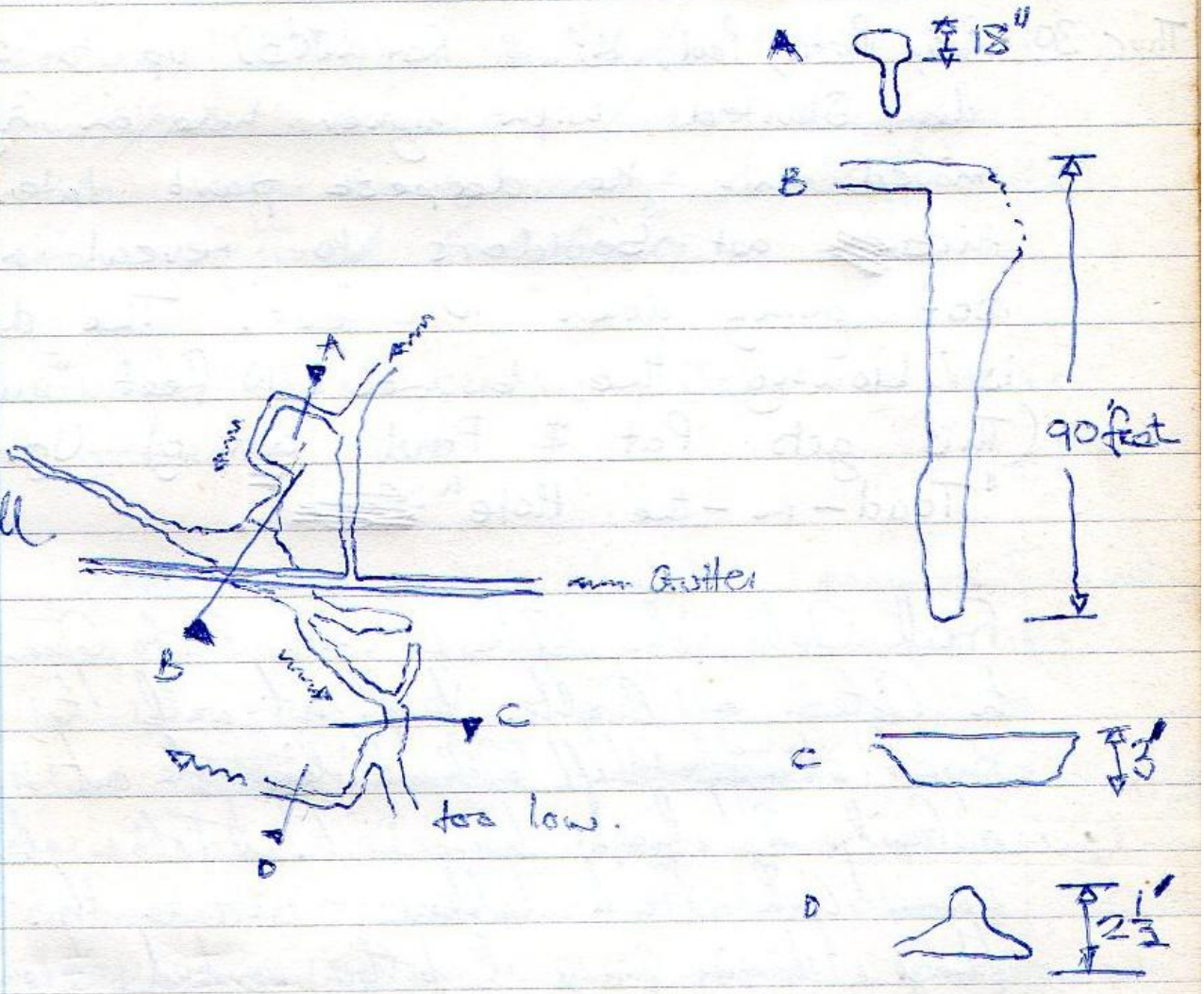
④ (274) Bedding with boulders in entrance, 10M inside is open with very strong draught coming out.

Continue stroll to end of cliffs at climb up on top and ~~back~~ doubling back (westwards) towards false summit leads to alpine chasm ~~cliff~~ ~~stuff~~ Gough Pot No 99 (Now with a ~~number~~ 5). The entrances above ~~that is of cliff~~ 1-4 are false leads.

CERTIFIED TRUE BY MY HAND El ~~Secretario~~ Sucio

NOT WROTE IT. 9/10.

Wed 29 Paul & Pat into FLV Cave to have a look at base of pitch. Much less draught than in '79 but still going down stream. Managed to push down stream in low wet bedding for an extra 5 feet.




Downstream at D had good draught going in & could be dug.

Wed. evening - Phil Hilary, Julie & Roy arrived 21.00. left Ingleton previous day at 16.45, visited pubs & beach, on route.

"I tried having a shit this morning but couldn't manage it, because every time I tried my eyes watered" — Frank.

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Thur 30 Pat, Pete, Paul, KP & Roy (JCB) up to 258 to dig. Started with higher hole on right but moved onto the deepest part later. Roy threw out boulders to reveal a sloping floor going down ~10 feet. The draught is blowing the bushes 10 feet away. (This gets Pat & Paul out of Uz. tomorrow.) "Toad-in-the-Hole".

Frank, Julie, Colin, John L, John, Tobo, Juan up to Coterón on Bealta. Very hot walk to superb steaming shaft with howling gale out and a family of choughs living in it. Tobo abs down Juan, John, Frank ladder - 150ft exactly. Large stooping passage at bottom wandered around. Large boulder pile at southern end needs a rope; various pitches still to be looked at. Survey of main passage up to boulder done. About 280m so far.

The lady of Bar Tomas, who often complains that the English won't sing, got more than she bargained for. Ogarrio was treated to a selection of well known ditties until 3 o'clock in the morning. They didn't even want to confiscate the Union Jack bunting.

FRI 31ST Julie, Julie, Colin, John + John.
2.) COTERON TOPS.

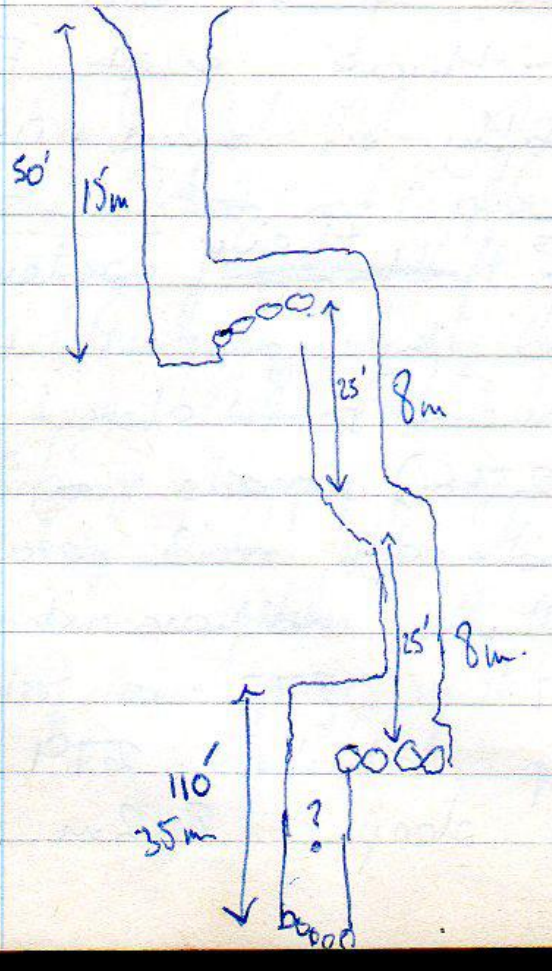
Went up in thick mist. Found two shafts probably in same rift. locals rushed up to tell us that ~~they~~ it was ~~were~~ their ~~water~~ water supply (mist had cleared by now slightly) so didn't descend. both about 10 m deep (275 & 276) locals (growing in numbers and dogs and brats) showed us three other holes 277, 278, 279. 277 is shaft in trees 8 m deep, choked. 279 again in trees 8 m deep, ~~8~~ 2m climb

up to choke. 278 is more interesting shaft about 15 m - 20m to climb up of 5m, over boulders in rift. 8m drop to short slope to further 8m drop to boulders. Small hole opposite ladder undescended. Back under ladder to lip of shaft of about 20m, undescended. no draught noticeable. Whole lot is loose, sharp and nasty.

1/10 ~~terrible~~

no gold star

↓ spelling awful see me !




Balcatora

31-7-81 Patrick "2 goes", Paul, Roy, TOAD IN THE HOLE

BACK TO MOVE HORID BOULDER FOUND YESTERDAY, IT HAD GROWN. BOLTED WALL & BOULDER AND SET UP PULLEY SYSTEM, IT DIDNT WORK. TRIED BRUTE FORCE AND IGNORANCE METHOD AND IN 4 HOURS REDUCED MONOLITH TO MOVABLE SIZE. ENCOUNTERED NEW BOULDER DEALT WITH IN SAME WAY ROY DROPPED LARGE CHUNK DOWN HOLE, MUCH SWEARING. PUT DOWN LADDER AND SENT FOR PATRICK. PAT DESCENDED AND STOOD ON LEDGE, LEDGE DIDNT LIKE OUR HERO SO IT MOVED TO BOTTOM OF SHAFT. PATRICK EXIT WITH MUCH SWEARING, POSHING, AND A PULL FROM ROY NERVES COLLECTED PAT TRIES AGAIN GETS PAST SQUEEZE COMENTARY ON HOW LOOSE AND CHOSSY WALL IS. BOO! SAYS PATRICK "BOO" SAYS HOLE PAUL & ROY GRIN & SHOUT ENCOURAGEMENT TO PATRICK WHO CONTINUES TO BOTTOM

EL SAPO EN EL ORIFICIO

Well there are these two big pink chambers.

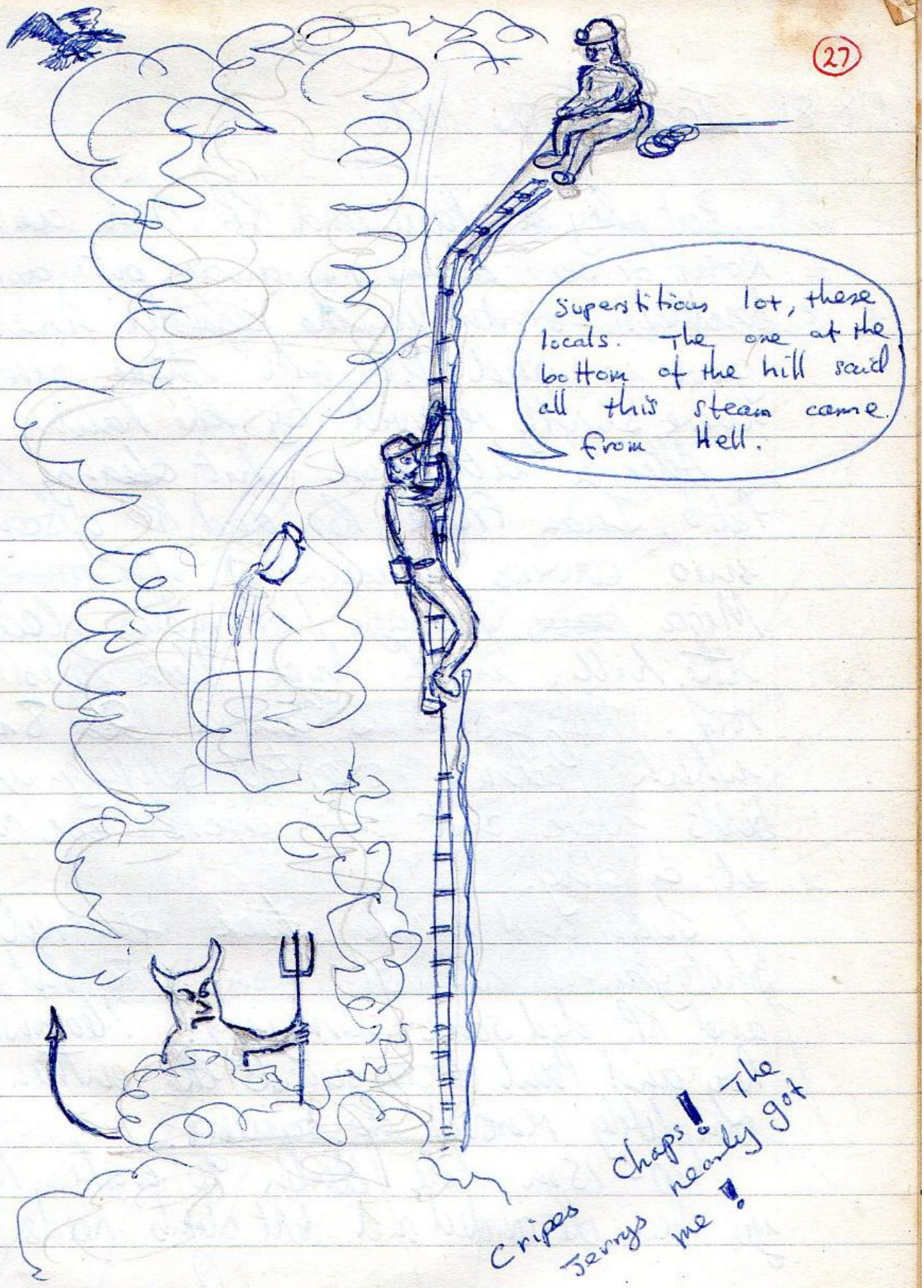
Pat's Pink Parlour!

FRI 31st. Looking for easy caves above Reñada. Walked 500m up hill on 180° from Reñada entrance, this area is thought to be above stuffed monk gallery. Rediscovered Sima Rellenos (No 47) and found several other small caves at this altitude (≏ 280/300m). Further up above cliffs are numerous shafts, mostly choked. Few are enough undescended ones left to justify a return trip with 2 or 3 ladders. Ed Sucks.

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Coteron de Beralta Thur 30th

Continuing straight on through collapse where passage bears right, a climb up through a hole into passage is made. Warm air / draught can be felt. Scramble down through boulders to right and passage continues past a 40' pitch to a big sloping chamber full of mist and with approx. 60' pitch into large passage going off into hill. About 100 m – 150 m more passage from where survey carried out.


Superstitious lot, these locals. The one at the bottom of the hill said all this steam came from Hell.
Cripes chaps! The Jerrys nearly got me!

# TALL TALES FROM Toad·in·the·Hole

Pat, Roy a, Paul and KP had an happy hour or so hammering away at a mega boulder. Eventually, the boulder finally gave up and fell into three pieces, which were swiftly removed by the hauling team.

After a little more shit clearing Pat, Pedro, Juan, Frank, Ron and KP ~~descended~~ into ~~caves~~ measureless ~~~~. Mega ~~~~ passage / chambers lead into the hill, with huge black holes in the roof. Passage ends in a ~~20~~ 8m climb, which Patrick started bolting up. 3½ bolts were put in before we called it a day.

Juan and Frank ~~took~~ took several photographs whilst Ron, Pete, Pat, ~~~~ and KP did some surveying. Meanwhile Roy and Paul excavated the entrance and completely removed the squeeze.

10-15m hole down to water has not yet been descended and bolt climb needs finishing.

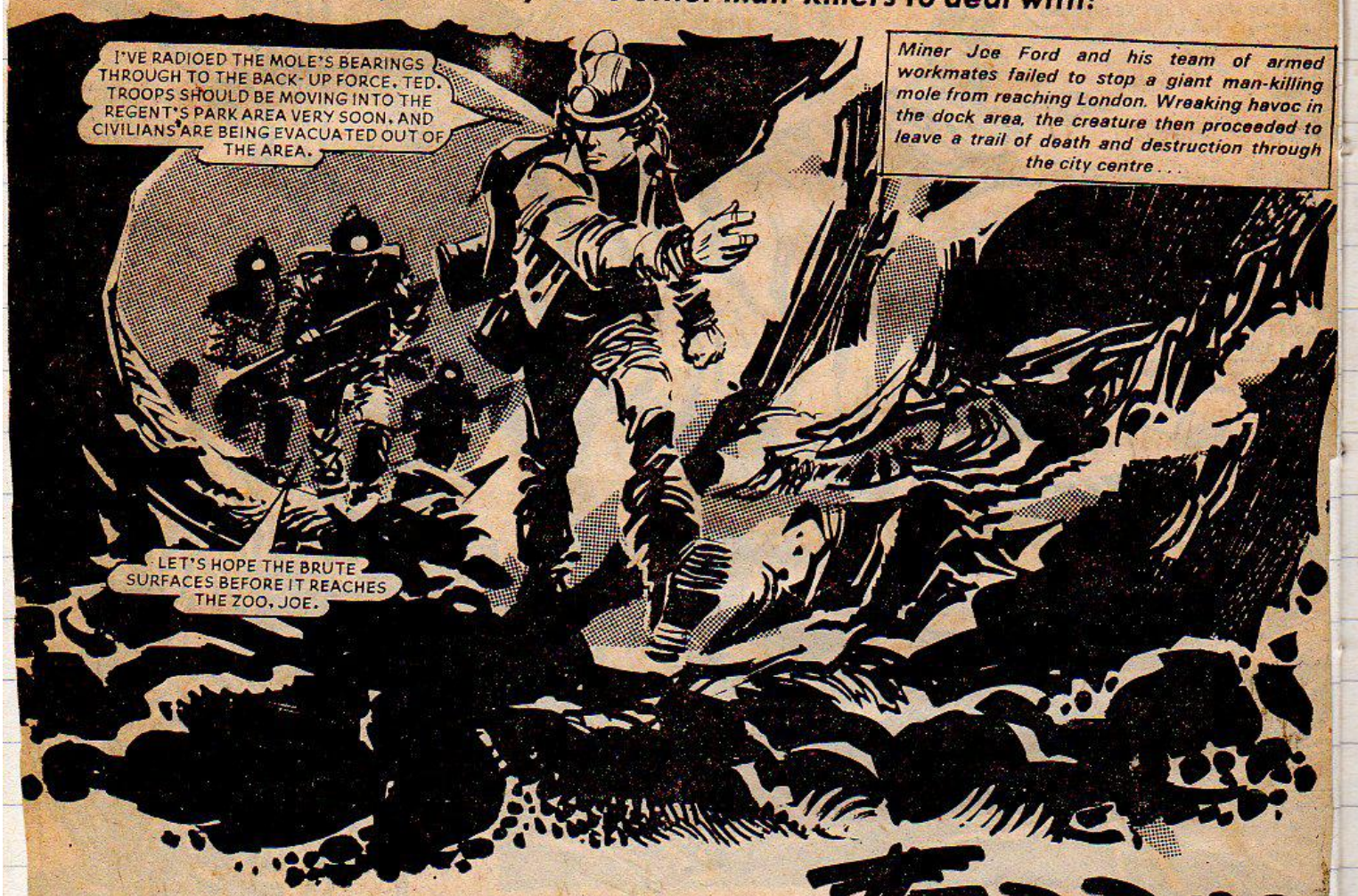
KP.

1/8/81 Torca de Balcabuso (278)

Julie, Julie, John, John, Colin returned to descend 4th pitch. Lots of big boulders wanting to race people down. Pitch is 35m in large shaft but solidly choked at foot.



**Joe and his men follow the giant mole into London Zoo— where they find they have other man-killers to deal with!**




# TUNNELS OF TERROR

1/8/82 Phil sets walk about Egaine. Noted 281 + 282 Rift about 200ft deep uncharted.

1:8:87 Wed

Driven up to Penny's cave by Jean with Dirty Frank and Penny. Entrance crawl leads on to bend with more crawling. Further crawling leads to a small chamber, where a duck seems inevitable. Up to left a calcited climb bypasses the ducks, and leads to many bends. Finally a deep pool is met, which bends to the right and sumps. Feeling through with my feet, it appears that there is air space the other side. However as I was dressed in dry grots it was decided not to attempt a free dive. Draft comes from 3" dia hole up to left of sump. Excited.

Went walking up from Cubija. Two shafts noted both within 15 minutes walk of road. After that a further hour trying was spent tramping the hillside. No further entrances found, but two snakes were encountered. Lots of locals

said, 'No cuevas aqui.'

On the road back to Selde Sesto locals pointed out a cave which turned out to be a chamber where they kept goats.

2-8-81 Secaduera.

Trip to Los Boyones to re-locate and investigate further 2 entrances seen several years ago. (Sounds good so far).

First one "La Bodega" (288) a draughting hole with a door frame round the entrance - butter was stored there. It quickly led to a stream, followed upstream till it became too wet. Very narrow, possibly could be pushed further. About 12m. long.

Second one (289), a low entrance at top of field where a crawl leads to a wide chamber with one small side passage. About 30m. long.

STAR DATE 2-8-81

The Voyages of Star Ship Plumb who Boldly Goes Where No Man Has Gone Before (Well Something like that Anyway)

Went for a walk to the head of the western half of La Secada. Left the FLV road at the first hair pin bend and contoured round into an area of shakeholes. There were at least 20 shakeholes. Most of these contained trees but a bit higher up two shallow depressions were found. The first had a draught blowing up through boulders the second draughtedly through entrance at base of small cliff. Both need digging but look reasonably easy.

Nasty vicious aliens in the form of Brambles and Gorse finally drove Star Ship KP back to Star Base Remains. ~~Heck~~ Hmp Good potential on an area will no long systems road welling boots not pumps for return trip.

KP.

2/8/71.

Phil Hilary, Pat Frank, Paul Smith, Penny Roy, Julie & to 'find' track above Ogofau which leads directly onto "The top". Found near end of Mcomba road - land rover could be used. Located 283 (150ft shaft) at highest point of track. Returned to bar Thurus and located 284 - flood resurgence - still going Cheryl wet suit needed; 285,

286, Dry weather main resurgence. 287, Wet weather resurgence. All needs pushing.

2/8/71 Coteron de Beralta

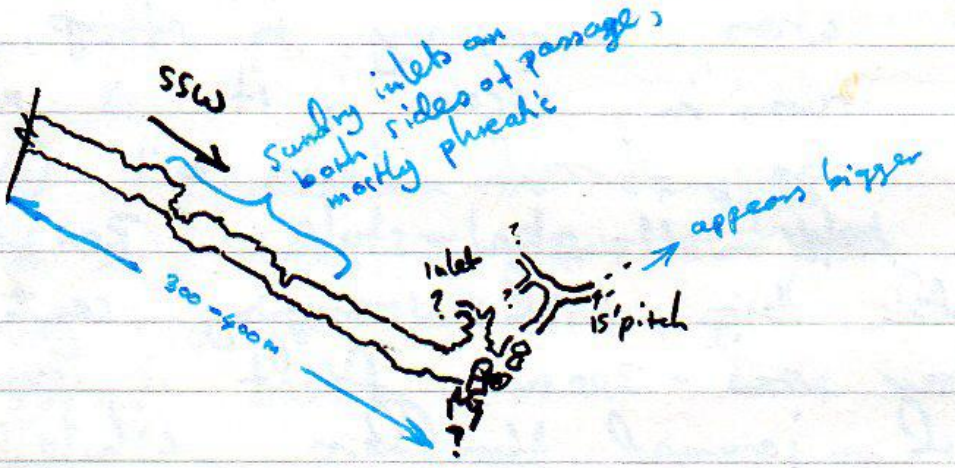
John I, Colin, John II, Tobo on a caving trip to bolt the pitch discovered on 30/7. Ladder over loose rock + boulders means great care on pitch. Lands in large passage sloping on SSW bearing. Everything big, with barely discernible roof. At a jumble of loose boulders, passage switches to SW - W bearing, still steeply descending. Up to now, we have felt ~~~~ humbled as we explore in a close group through large passage. Suddenly we break into huge chamber, 40m - 50m across with

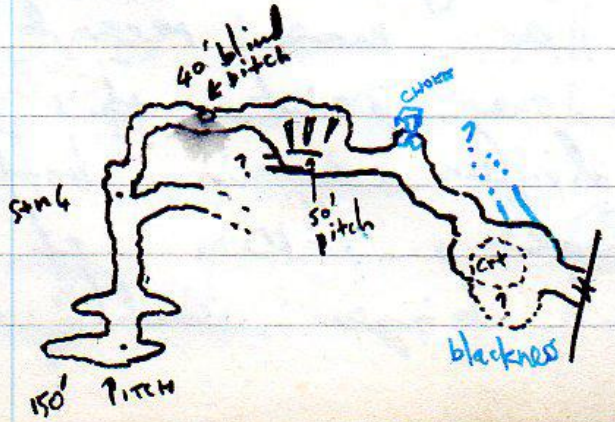
BOLLOCKS YOU SANCTIMONIOUS TWAT

a high aven + small trickle of water. chamber is sandy floored with crater steeply sloping to large, house sized boulders jammed at top of a 50' - 100' pitch. Passage side-steps and continues on SSW - SW about 10m across. Various inlets noted and one or two pushed until it was necessary to stoop. Where a run-in occurs, it is necessary to go through low bit (1.5m Ø) to ~~left~~ right Uzueka-style. Passage again gets big, with varying section. after 200 - 300m, fault is encountered with jammed boulders. While we hunt for way-on, we find yet another inlet (3m high x 1m wide). This is not explored as eventually we find the "way-on" through the boulders, to a more recent phreas. At one point this divides Left, this divides again, both ways continuing. Right, 10m of passage getting bigger until a

ANCIENT

15' pitch found + exploration stopped. Sounds of trickling water. On return, more "inlets" noted, mostly of phreatic origin. Some silt up but most still going. Exit made from cave without too much hastle and descent of hill made in dark.



3rd Aug '82.

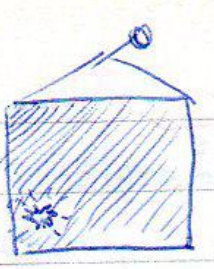
Julie, Plip, Tobo, waiting for Tobos car to be ready (won't be until Wednesday), visit Seeadura and search depressions ~~for~~ above resurgence Los Boyones + Creciadas. Directly above Creciadas find a draughting sink cave with a dig in floor. Well worth a return visit. The only site of note found. - about 8m long.

291

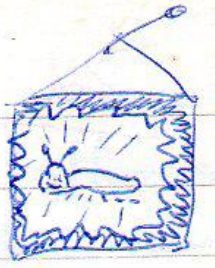
K.P., Patrick, Steve, Roy. EL SAPO EN EL ORIFICIO

TO SCALE BOLT CLIMB LEFT ON LAST VISIT. PATRICK PLAYED MONKEY. UP AVEN PASSAGE GOES OFF ON CRUNCHY CALCITE FLOORS PAST PRETTYS OVER HOLES IN FLOOR TO SANDY CHUTE AND PITCH INTO LARGE CHAMBER TO RIGHT AT FOOT OF PITCH GOOD PRETTYS TO AVENS (ONE AVEN WOULD MAKE BETTER PITCH AS IT CONECTS TO PASSAGE ABOVE) TO LEFT OVER CALCITED SAND BANKS TO SMALL 3" CHICK IN MUD + CALCITE WALL, DUG THROUGH INTO LARGE CHAMBER WITH GALE COMING THROUGH ANCIENT CALCITED BOULDER CHOKE. SMALL SANDY CRAWL IN LARGE CHAMBER WOULD REPAY A VIST BY SMALL PERSON MANY SIDE PASSAGES STILL TO PUSH, HOLES IN MAIN CHAMBER FLOOR STILL NOT DESCENDED.



MY LAMP.

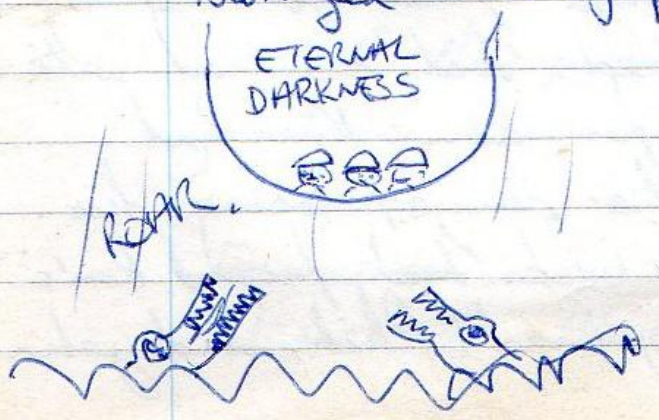


MY GLOWORM

MON. RENADA Exploring things : ①

Stuffed Monk Gallery: Went to up left hand passage at end to T jct, turned left and ended up in chamber at base of big leading rift, two other holes seen leading out of chamber, climbed ½ way up rift on shit and pebbles (about 50') then light went out for 3rd time, so left it and went to look for others. A return trip with rope and more than one person would be worthwhile. After rebuilding lamp for nth time went to look at right hand MAIN passage. Just before end is large calcite wall on right, black hole above has really good echo, another black hole in way nearby has similar echo. Get someone to climb it with scaling poles + bolts.

(2) Pete + Julia's black hole (just beyond Ghost Lake) (These cunts can't write so I'll do it) Half way between megga hall + ghost lake lots of huge boulders can be seen held up by patches of blackness in roof. Climbing up on left leads to 20' climb with blackness above, forget about this and go underneath to 15' LADDER pitch down into wet passage which leads to other side of blackhole, forward to 8' climb down + over deep traverse to cross joint then passage continues parallel until roar of distant water is heard, running and shoving people aside brings you to spacious balcony overlooking sound of water with big black hole above to right side. Water is estimated to be 50' below, a bolt belay will be needed. Several tons of boulders were pushed over the balcony to mark the stream way below in case it is already known. Light went out again. Took surveyed 150M of passage on way back.



Quote at Reñada Sump waiting for divers.

Julie:- I spy with my little eye something beginning with F.

Rest:- Give in

Julia:- Fart

Rest:- You can't see a fart!

Julie:- You can if its got bits in.

## Reñada Diving Trip

Paul, John and Julie, John Lally, Colin, Gill, Ron, Phil and Fred.

The convoy to the sumps took 2½ hours and produced one casualty. Gill fell down a boulder slope and bashed her knee.

Phil dived through first, followed by John Palmer and Fred. Fred returned with a hood and gloves for Ron. Ron had sinus problems in the sumps, losing his boots on the way back. Fred found Ron's boots, and then rejoined Phil and John.

Easy carving found the covers in the Rub-a-dub-dubs. This was a lot drier than the previous year. The rope was still in place and the climb into the dry stuff was accomplished and all three divers were soon at last years limit of exploration.

The squeeze necessitated Fred taking off his wet suit jacket and then John followed. Climbing up through boulders lead to a bedding plane. A hole in the floor gave access to a walking size passage to a junction, right gave more walking passage to a 2nd junction and again turning right agave more walking passage, passed another passage going off on the right, to where the passage closed down, but a climb up gave access to a bedding plane at the end of which was found a cairn that the divers had erected earlier.

All the passage had formed a loop. all the junctions were returned to but nothing of any real promise was found. Some fine gypsum formations were admired before the two returned to Phil.

The draught had been lost after the boulder squeeze, and is presumed to filter into boulders. There seems little promise of further extension in this area.

On the way back to the camp a number of pictures were taken and the dive was accomplished easily. The divers had been away for four hours.

The return carry took a further two and a half hours and the party surfaced at midnight.

In total approximately 600' of new passage was explored, but not surveyed.

NCC contingent arrive. Boz, Hugger, Graham, Sue, Colin, Richa & Baby John.

4th Aug '87 Mods trip into Coterie. Paul, Pat, Pete, Tobo, Juan, Keith.

Pete, Juan survey with Pat (Ferret) while others go to bolt 50ft pitch (3 ladders required). All down pitch - others zoom off to get to Tobos limit of the previous trip while surveyors follow. Point 35 reached where Tobo the returning Tobo said he turned left instead of right and zoomed off into 300m of new stuff, after digging for 15ft through a choke.

Paul took over as Ferret for Juan + Pete and

The other went off in the correct direction to Tobos last stopping spot. After the dug choke, the L.H. series ends at the top of a superb sandy ramp - directly on top of a 60ft? pitch. The right hand series was then surveyed to the head of a pitch. A number of inlets noted including one (at point 62) which emits a gale and where Paul returned while still going. Over 1.2 km surveyed. Total length so far 1.5+km.

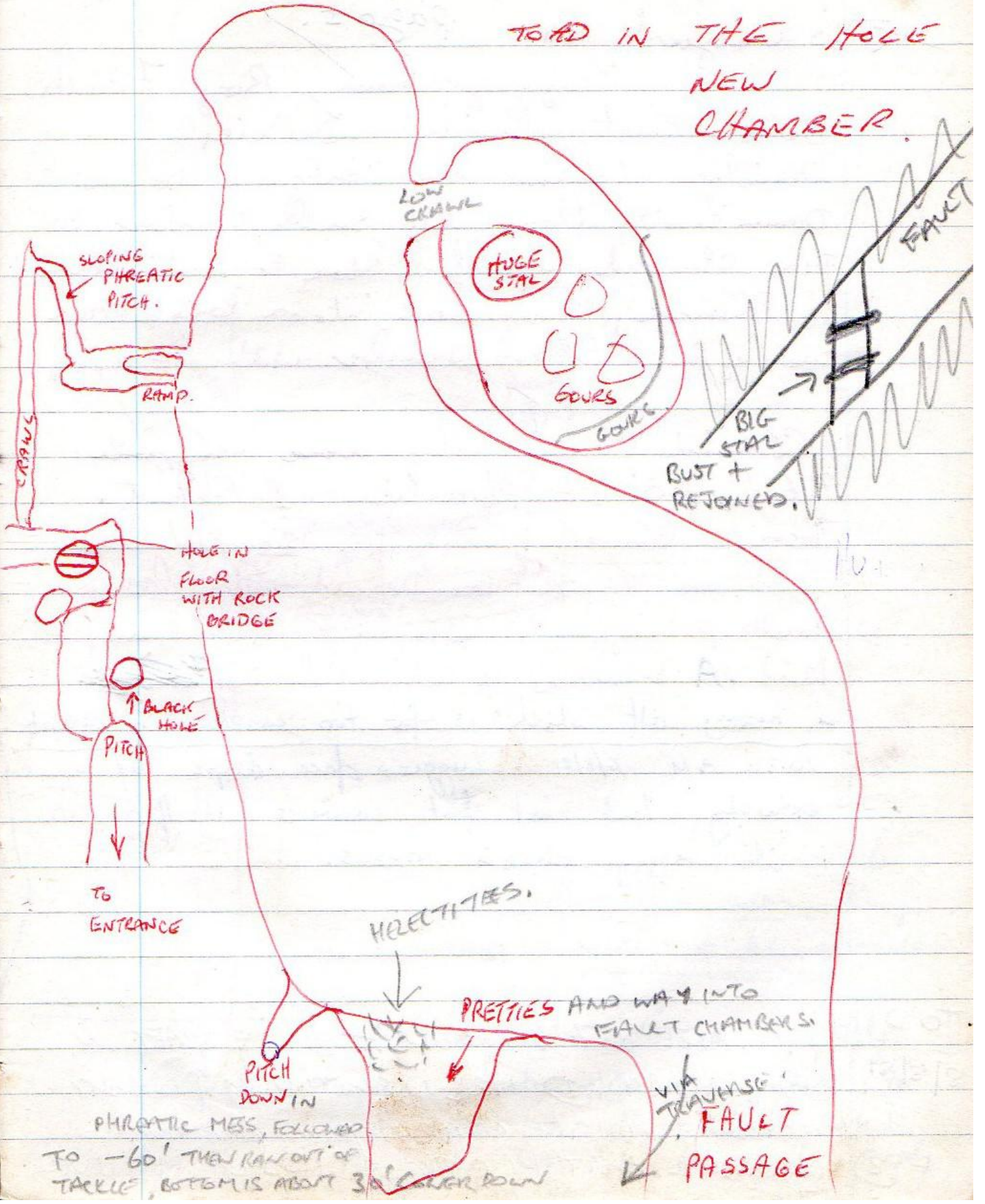
## 5th August. Toad in the Hole

Boz, Graham, Sue, Colin, Frank, John Lalley. Had good look round at previously found stuff and then I went off down right hand passage immediately after rock bridge over hole in floor above ladder climb. Hands and knees crawl led shortly to stooping height passage. At end of passage there is a hole down on the right hand side which is a phreatic tube going down at 70-80° for about 70-80 feet. This pitch enters a small phreatic chamber with a sloping ramp on the right to a 15' drop which was bypassed by returning to the chamber and following a rift

round to emerge in a huge chamber. The floor of this consists of cracked mud and nice drip formations. At the lower end of the chamber are some superb helichites which look almost like glass, and a large passage on a fault heading off. The passage splits in two and the left hand side was climbed up to a choke. The right hand side needed a ladder for the descent of a pitch so it was left. Returning to the top of the chamber a low crawl on the right hand side led down into a further large chamber with nice gours and a huge stalactite (as big as Juan's car) with an enormous stalagmite boss underneath. Thus ends the days finds.

On the way out a large block hole in the roof was noticed immediately above the ladder pitch. (Bag climbed into a crater, it doesn't go.)

# TOAD IN THE HOLE NEW CHAMBER.



Just like in school – having to fill up the blank pages.

August 81

Bag, Graham, Roy Frank Sue Rat - Prick Julie

Finished traverse near entrance to 15' Pot-A Down calcite flows into small chamber 20' Dia climbed up flow stone to continuation of Passage, soon went into a low crawl ending in another chamber with no way on

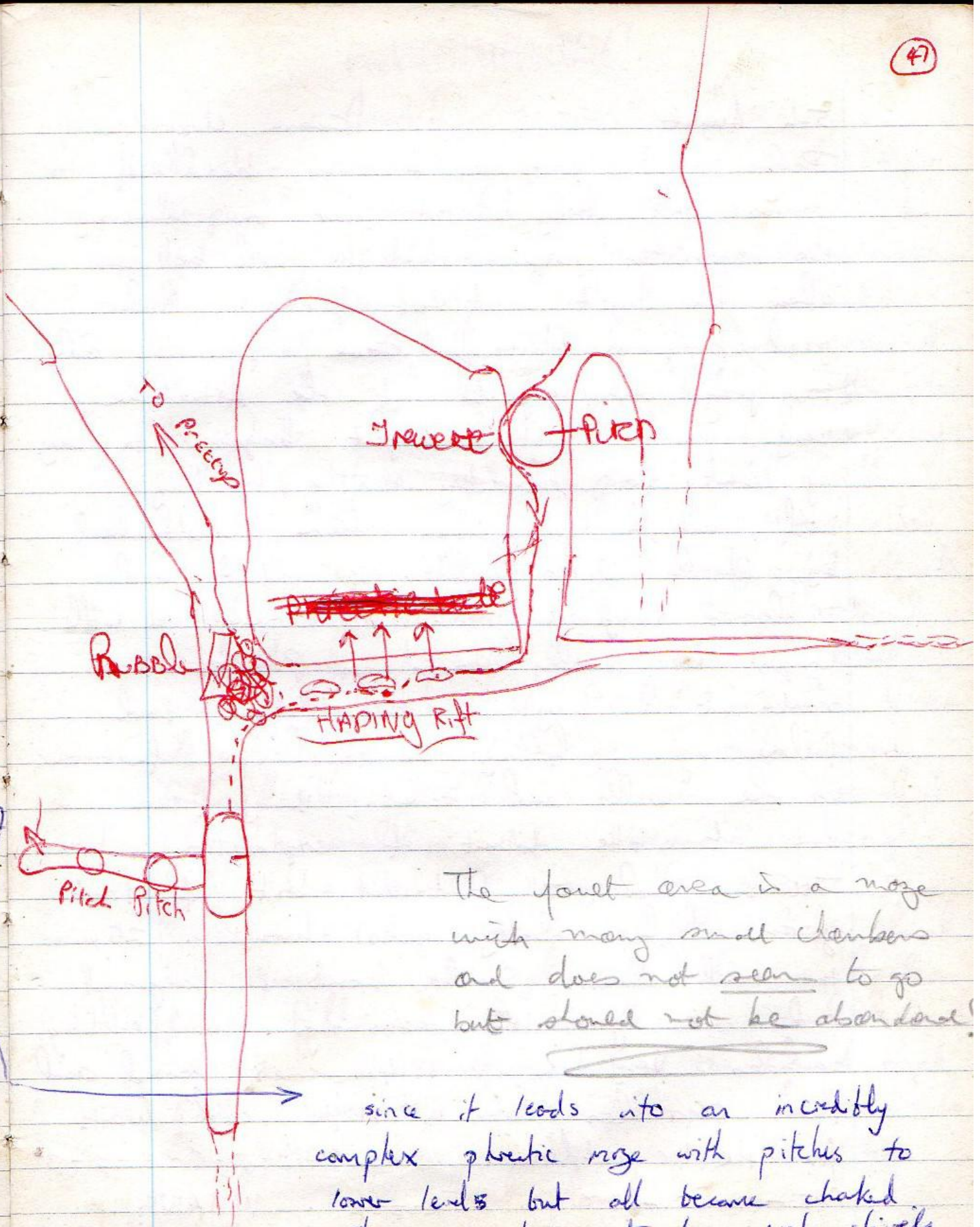
Climbed Black hole above Maypole Pitch, 60' to phreatic Roof Pocket. Then continued Down to Big chamber found on 12th 5th to Decend pitch at the fault passage this was 25' Deep chocked with Mud. A traverse 10' Down led into a holding rift which is far too complex to describe

10.00 A.M 6/8/81 Lugger's face drops as externely loud wet fart converts itself into soggy mess in trousers.

TOAD HOLE - NOT YET EXPLORED :- (1) DEEP SHAFT IN MAIN CHAMBER. (2) NARROW SHAFT WITH ↑ DRAUGHT IN OXBOW FLOW. AT LOWER - 2 MAIN CHAMBER.

8/8/81

(3) HOWLING DRAUGHT IN CHOKE AT END OF HIGH LEVEL STUFF.



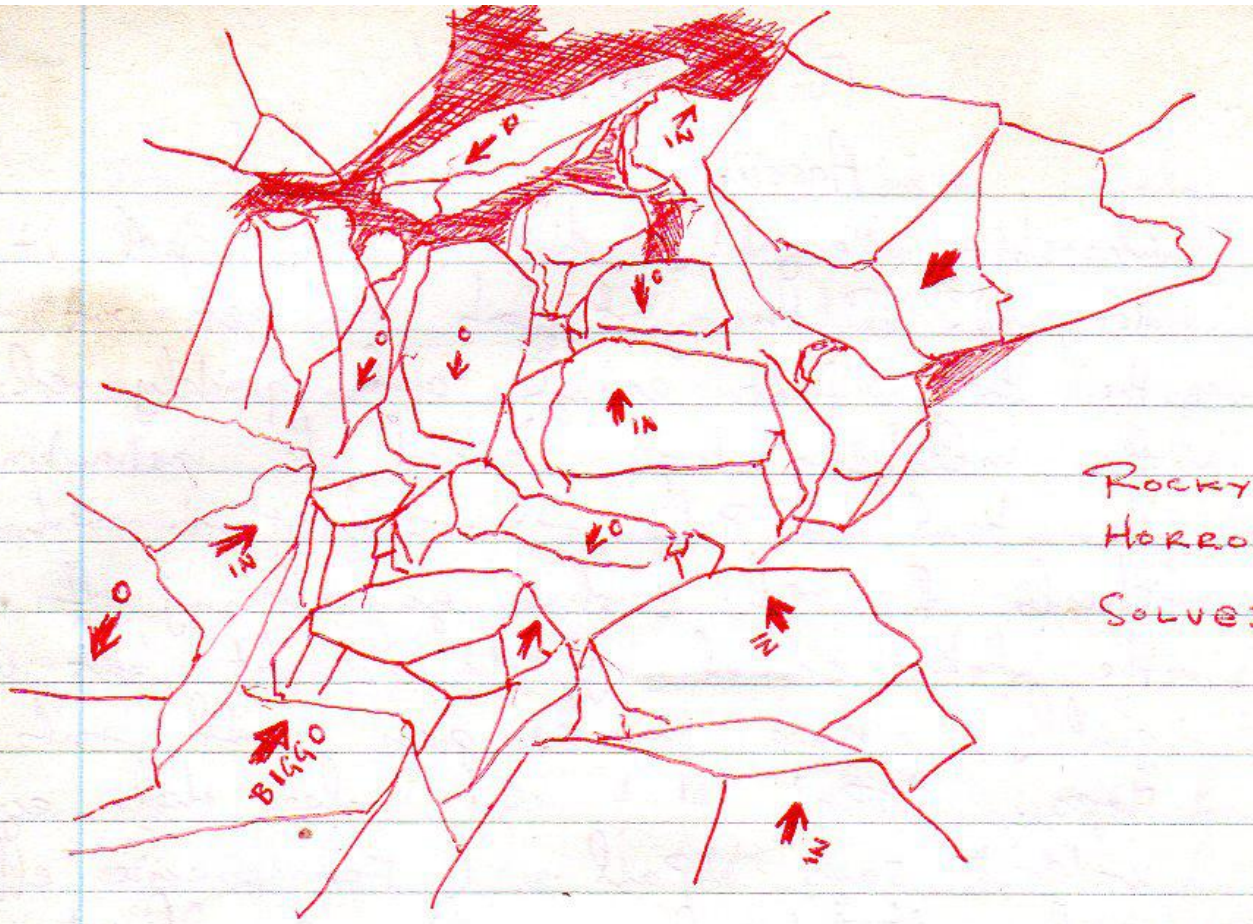

The forest area is a maze with many small chambers and does not seem to go but should not be abandoned since it leads into an incredibly complex phreatic maze with pitches to lower levels but all became choked. The area has not been exhaustively examined however.

5th August Cueva Uzueka

Pedro, Paul, Ratprick + Tobo head off to Riaño and only leave bar on making the proprietor promise that he will be open when we get out of Uzueka. Make good progress through cave, pausing only to pay our respects at the Astradome. Very soon, Patricks light begins to play up but we get by. The bunting is still through Armageddon chuke, untouched by floods, the ladder is intact and Duckams sump is low. We take a little longer in Rocky Horror as Patrick + Tobo root-out a way on and Pedro + Paul follow up. corkiding an abundance of arrows on the walls and rocks. Very soon we are at the limit of exploration, bar Juan's horrid 7" flat-out bit of last year which nobody goes through. 25 mins to touch down. Smoke bomb is prepared and we pass the remaining time fettling carbides. Very soon, 1814hrs comes round and Pedro scrambles down a slope and waits for the countdown. .... 9-8-7-6-5-4-3-2-1-0- clip. Fzzzzz. WHANG ....

Fuckin' hell! Shit!
Aaeeii!

Whoosh - Yeaghh! (is that how they spell it in Hotspur)? Pedro just fails to get out of the way fast enough and quickly realizes the underlying logic behind the instruction on the bomb "Pull tab and throw overboard". clouds of red smoke go billowing off into the choke carried by the draught but very quickly, three minutes pass and bomb stops. "Bet that will make their eyes water." says Paul. (For precise effects, read Salford / Freds account). Second bomb is set off lower down in the choke, and when this is finished, Pedro dives off following horrid gong + red stains, followed by Tobo. Point is reached where rumbling of stream is heard but where it is impossible to get any further. Tobo pushes to the left through two squeezes into phreatic tube + chamber. Patrick follows. Excitement as carbide marks is found on wall, but turns out that Pedro was here last year. Leave choke at 8-30 and make Rião bar by 1230. Bar closed despite promises.




ROCKY
HORROR
SOLVED

6/8/81 Coberon for a change.
Fred, Lugger, Julie, John Lally, Big un John.

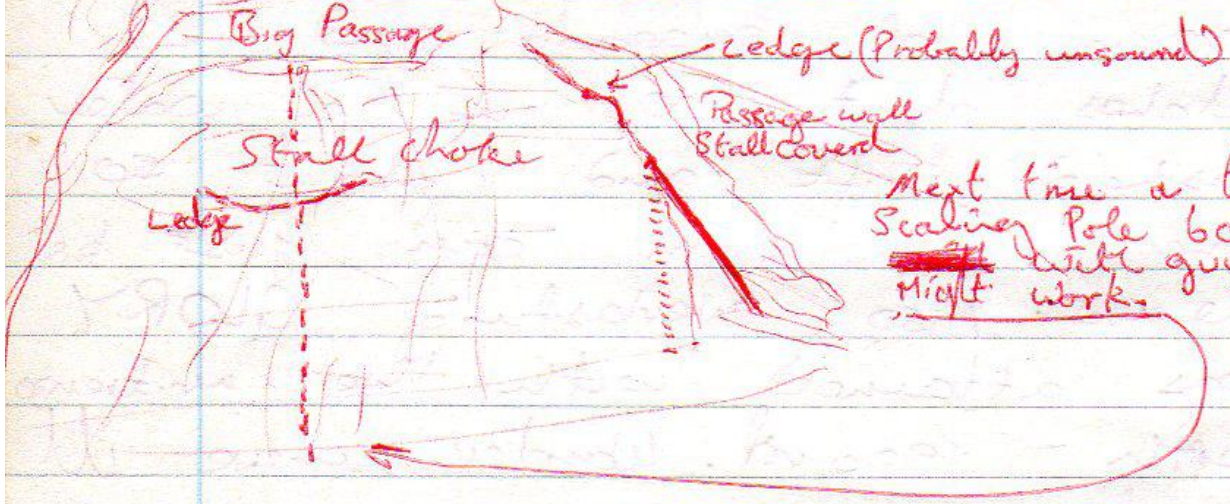
Fred and Lugger got approx ½ Kilometer of big stuff from the chamber at the end of the universe. Pitch at end was examined and led to about 200 m of passage and 2 pitches about 100' in a water washed rift and about 50' where a stream can just be heard. Also everlasting GLORY was attained with the maximum depth record. Wonder where it'll go tomorrow.

By, Frank, Jean, Pat, Joe.

FRI (7TH?) Coberon de Beralia. Radio located bedding with brain-voices beyond in effort to find lower entrance. Location proved surveys OK, but a long dig will be needed. Best bet is to mine-out small cuboidal bedding ON LEFT just inside entrance of cave lower down, — this will involve 40-50' of mining and is best forgotten.

Friday 12 Cobrantes

Graham Lugger Bay Colin 1, Colin 2
Sue Biggest load of Crap this Side of
Matienzo attempted to climb Stal choke
at end, 30' Scaling Pole was used to try and
get up to a possible ledge in R/H corner this was
about 10' short as it was impossible to Place
a bolt in such ~~shite~~ Shit so Packed up.



5th august Lluesa
Divers:- John P., Lugger, Phil and Fred
Sherpas:- K.P., Julie, Big Steve, Colin

The trip to the diving base went smoothly and the divers were soon kitted up. Whilst swimming up to the sump Fred lost his mask, and had to return for his spare one. At the sump John and Fred dived while Phil and Lugger put a bolt in, to tie the hauling line to.

John and Fred made a thorough search of the large chamber and a small calcited passage was looked at, but soon choked.

In the boulderey area Fred and John sat around waiting for 6.15 pm while Phil was amaised to find that the diving he had put in for route finding had been torn to pieces. presumably by floods.

Lugger, in the mean time, had started to climb upwards through the boulders and had found a walking size passage. He returned for the others, and again diving line was laid to help route

finding in the return.

Walking passage lead off to a climb up through a couple of boulders into a huge passage with a few holes in the floor. At this point John said he could smell concordite.

Boulders were dropped through various holes in the floor with lots of crashing and booming resulting. A climb down was found into a rift. This was explored in gathering gloom as the air became thick with smoke. The rift petered out and a blundering return was made. Difficulty was encountered in finding the return route in visability that was down to 5m or less.

Once back in the chamber the air was almost clear and an uneventful return to the sherpas was made. The diving team had been away for 5 hours.

The bottles were left in and a quick trip out was made.

7th Coteria. Keith, Fred.

Went surveying passage with "Mannis Marvels". Passage reached by climbing up boulders on RH side of main passage entering the "End of ~~Hall~~ Universe Chamber". Then drop down onto 5x5m passage over breakdown. After 100m there is a choice of ways, LH main way easiest, RH not surveyed, regains main way after 50m. Easy going after this to very well decorated passage (Mannis Marvels). Passages ends where calcite meets the ~~roof~~ K.F.

Pete, Phil, John. (deepest men in Matienzo)
Found a little bit of streamway which got too tight a bypass to 3rd pitch and a few hundred feet of meandering canyon. Surveyed from bottom back to pitch.

Stan, Sue, John, Baz, Pedro Penada Bootbag Passage - 2 Swops Chamber 4-8-81
Arrived at head of pitch no problem descended pitch to streamway. The streamway is 30' approx long with swops either end. Passage above swops up left right Le

worth a look next trip down. Steve attempted climb up roof but it needs a couple of bolts to make it possible. On the way out Sue and Steve climbed up through large boulders 300' back from head of pitch into roof. Great care needed here as it is VERY loose and nasty. Broke through into large chamber in rift. Climbed up from passage floor 200' and unable to see roof from here. Scrabbled around unable to ascend any higher due to house sized boulders. Journey out Knots Pass

Phil and Fred Peter Plummit San Miguel

Fred dived first, and at -12 m could not find the way on. He dumped the line reel and returned to base to let Phil have a go. Phil decended a boulder pile into a rift passage. The way on was a side ways swim downwards into a half moon shaped passage descending at 30°. at -35 m a lip was met and the passage "plummitted". a ledge could be seen approximately 10 m further down, and then blackness. Phil returned and Fred dived to retrieve the line reel. On the return he had difficulty returning through the

up into sideways swim and after three attempts managed to get through.

In total the passage had "gone" in total 35 m deep, and 100 m in length. Comparison with the original diving log would suggest that a new route has been discovered to this end, as the initial dive seems to consist of following the roof

9.8.81. Seadura.

Started digging in Ivan's dig (291) but a bit too awkward for rapid progress. Ivan found another hole with a 20-25 yard to a stream passage which was choked (293). K went for a shit a noticed another has enhanced. Winter draught issuing from a low crawl. Half an hour digging to make passage large enough for Ivan to push. Unfortunately only led to 50 of passage before mud choke set. (292).

K.

9/8/80 Cistern Lugger, Graham.

Left Toba e Paul and looked at draughting passage on right before end of right hand branch between Worlds passage", followed for 200 mtrs passed holes in floor to emerge in large passage ending at the edge of the Universe passage, was surveyed several shafts noted passage still going.

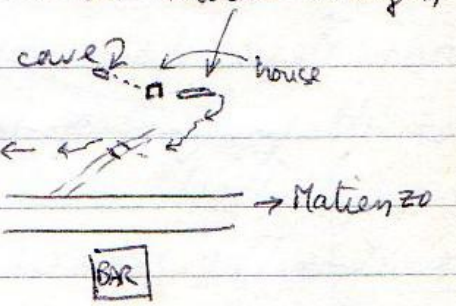
Toba, Paul.

Left Lugger + Graham to look at Inlet passage on right + went to end where we surveyed from "76" through chossy crawl into big chamber with pitch. Brought light at pitch, with 45° chute at bottom to hole. chamber beneath with masses of gypsum formations. Further short pitch into a third chamber with calcite chute sloping upwards. chamber curves down into fourth chamber with mud formations and conical depression with choke at the bottom impossible to pass. Back at choke crawl, inlet passage explored for 50 m - still going.

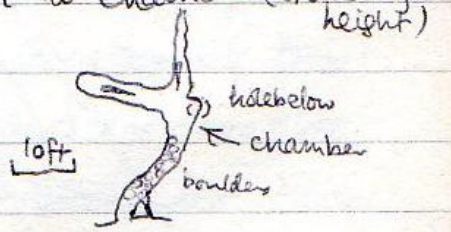
10/8/81 Julie, Frank, Pete, Jean to Secadora / Lluera ridge
Only cave found was 294 – Cueva del Palomar.
A 5m entrance under limestone overhang, with slope into large chamber (20m wide, 15m high) with no apparent way on.

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~~Cateron~~ :
Nigel, Barry
went to find the Source of the ~~Nile~~ river at Lluera Bar. Source turned out to be water trough, well house and an impenetrable cave?

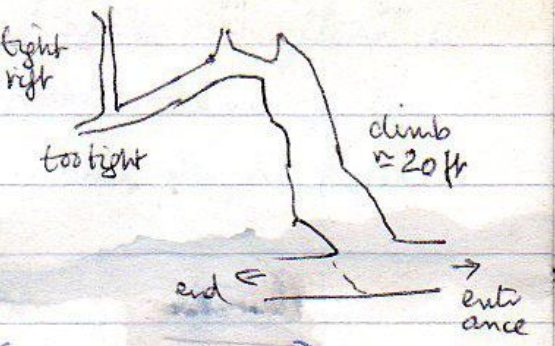



Used as water supply.
Drove back towards Fuente Las Varas and looked down off road on Matienzo side. Dug into small cave ↑ in trees about 100ft below road (No. 295). Crawl to chamber (standing height) with phreatic rift ahead and to left.
Total length about 30–40 feet.

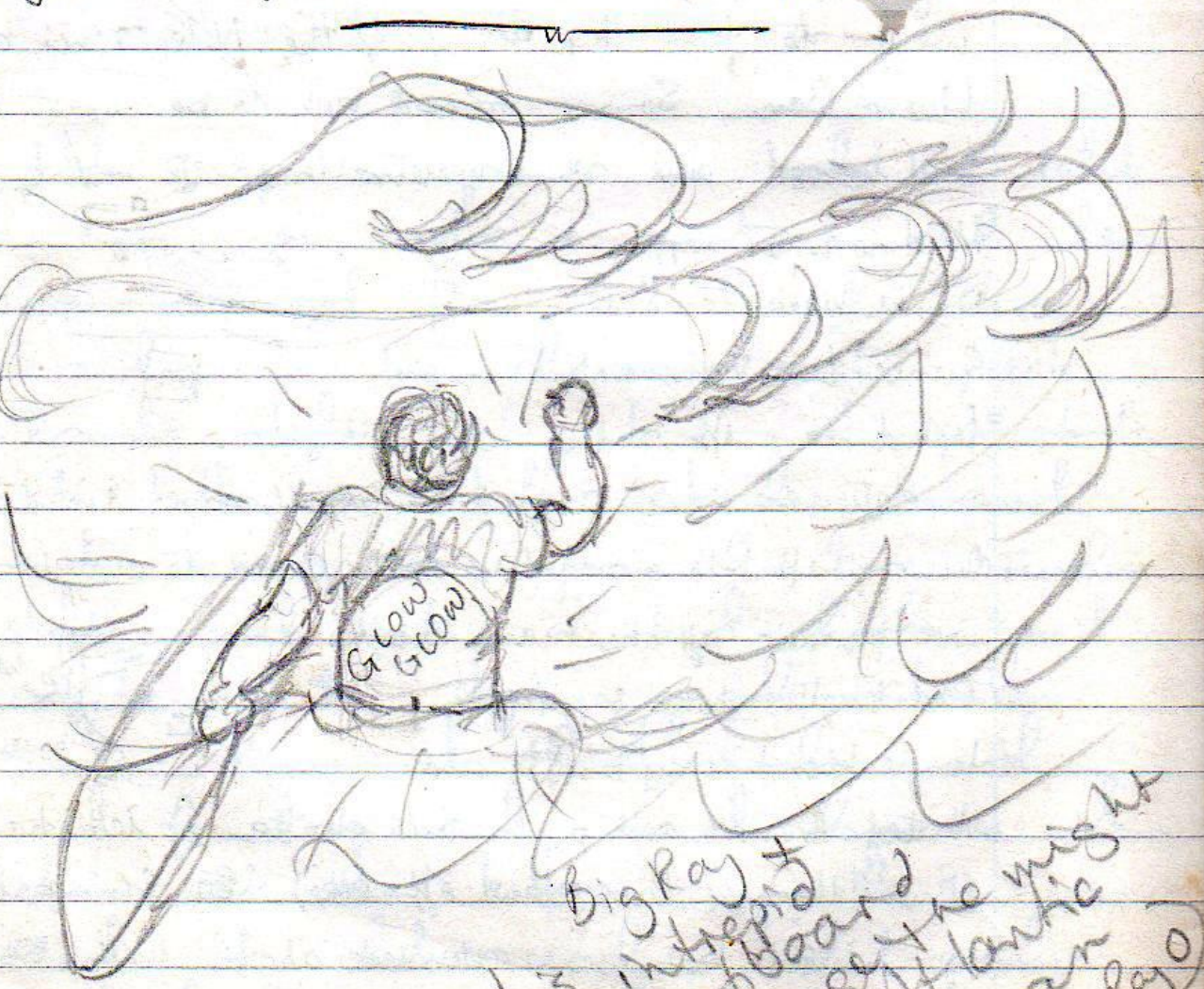



Jungle bashed way back to road.
Visited Arenal and pushed into choke on left hand limb (through low crawl off lake). ~~Pas~~ Passage had been visited but was extended about 40ft. Good prospects with draught emerging. Returned to main

passage and looked at chokes at end – good draughts but no prospects – far too many boulders. Climbed up draughting aven near end and pushed to vertical rift with draught coming down. Good prospects ~~to~~ all round but must get above the boulders; easiest way is probably left hand route beyond Muddy crawl.




(See plan at end)




Big Ray
his intrepid
surfboard
challenges the mist
of the Atlantic
Ocean
(Ocean 2 Ray O)

11/8/81 - Three dowsling holes near K.P.S dig. After thrashing over to Bilbao and back with spare part, went up hill to west of first bend in road above las Secadas. Several depressions investigated. Two contained narrow cave entrances with healthy draughts which should yield to a bit of digging. Also one shaft found with slight draught.

10/8/81 COTERAW GRAHAM, LUGGER, K.P. JOHN,
TRIP TO END OF BETWEEN WORLDS PASSAGE TO CHECK OUT VARIOUS PITCHES. holes in floor at St 9, 10MTRS before main junction right hand passage followed down slope to 20MTR PITCH which chocked passage continued above followed for 30MTRS still continued and drafts. left hand followed down 45° slope for 20 MTRS to 8 MTR PITCH (15 MTR DESENDING SLOPE) Followed gently ascending rift to left of ladder - several avens, largest 20 mtrs All gravels in the floor choked. One gravel too small and sharp for Tshirts. HOLES IN FLOOR AT BOTTOM OF SLOPE BELLOW LADDER ALL CHOCKED AT DEPTH APPROX 30 TO 40MTRS BELOW ST 9. SLOPE TO RIGHT OF LADDER FOLLOWED FOR 30 MTRS TO SMALL BREAKDOWN CHAMBERS ALL WAYS ASHORE. RAMP AT FOOT OF SLOPE BELLOW LADDER FOLLOWED UP FOR 20MTRS STILL GOING.

LEFT HAND PITCH AT MAIN JUNCTION DESCENDED 14MTRS TO SLOPE DOWN TO FURTHER PITCH TIGHT TAKE OFF DOT OPENS OUT INTO LARGE SHAFT WITH SHOWER BAT NOT DESCENDED. AT FOOT OF PITCH TO LEFT OF LADDER FURTHER PITCH DESCENDED 10/12MTRS TO NARROW DESCENDING RIFT FOLLOWED BY FORTHER PITCH OF 16MTRS TO CHAMBER WITH HOLES IN FLOOR TO RIGHT & LEFT BOTH AT LEAST 12MTR DEEP BUT LACK OF TACKLE ENDED TRIP AT THIS POINT. FAST TRIP OUT AFTER SURVEYING FINAL SECTION

~~Pitch to Left MARKED ST.~~

11/8/81 COTERON PHOTOGRAPHIC + SIGHTSEEING.
LITTLE JULIE, NOT QUITE SO LITTLE JULIE, PETE, KNACKERED OLD SHITS:- JUAN + FRANK.

Want down Reñada arm and took shots of long relatively straight passage. Took pictures of pretties down here from several different angles with different people grouping + posing throughout the trip.

Returned to the 'edge of the world' and photoed people peering over edge.

Visited 'Marvin's Marvels' which are superb and took

lots of piccies. Hopefully got some piccies of the Soft pitch and also some of the big pretties near the gate at the entrance. Frank posed for his photo on the way up the entrance. All in all a successful day after getting over confusion of Julia.

11:8:81 Lhuere

Divers:- Phil, John Palmer and Trad

Sherpas:- Colin, Sue, and Colin.

Derek Westwood also came to the top of the big pitch.

The divers left the sherpas sunbathing at the entrance and made the usual uneventful journey to the sump.

Beyond the sump Phil and Trad started to survey as John ferried the gear to drops down one of the holes in the large chamber. One in the large chamber / passage the surveying was abandoned and we went of exploring.

On the right hand side of the passage, looking in, a climb down lead to a 10' pitch with large phreatic passage leading off. This was stomped through but unfortunately ended in a boulder choke after only approximately 100' - 150'. Various squeezes were entered and eventually a squeeze through a boulder squeeze lead to a squeeze. Further squeezing lead to a squeeze up followed by a squeeze to the left to a squeeze. Beyond the squeeze is a squeeze down to a squeeze into a squeeze. Various squeezes lead off and finally a squeeze was found into a chamber. Here a draft was noticed issuing from a very tight squeeze. Noel and John managed to get through. A stream had been heard in the distance previously, in a squeeze, this now sounded very close.

Eventually John managed a squeeze where the draft was absolutely whistling through. Unfortunately the way on was absolutely choked with boulders.

Finally everyone was absolutely pissed off with squeezes and boulders and a quick exit was made, and the whole

RETURN TO ARMAGEDDON

system was detailed.

## BOB + PAT arrived.

JZEKA 11/8/81 Nigel, Lugger, Steve

Latest attempt to break through to Bigga. No route finding problems until Rocky Horror when all arrows found to point wrong way! Wasted 1 hour getting through. Found end and smoke bombs but did not try hard to push through. Lugger explored side passage to red soil — believed to be under 60ft shaft above Mushroom field. Surveyed from stream at end to end chamber (INV). Exited in about 5 hours with one error at start of Gorilla walk. Out at 1 am.

Passage beyond suspected surface connection drops into breakdown chamber with holes in floor on right hand side dropping down boulder slopes into the large passage.



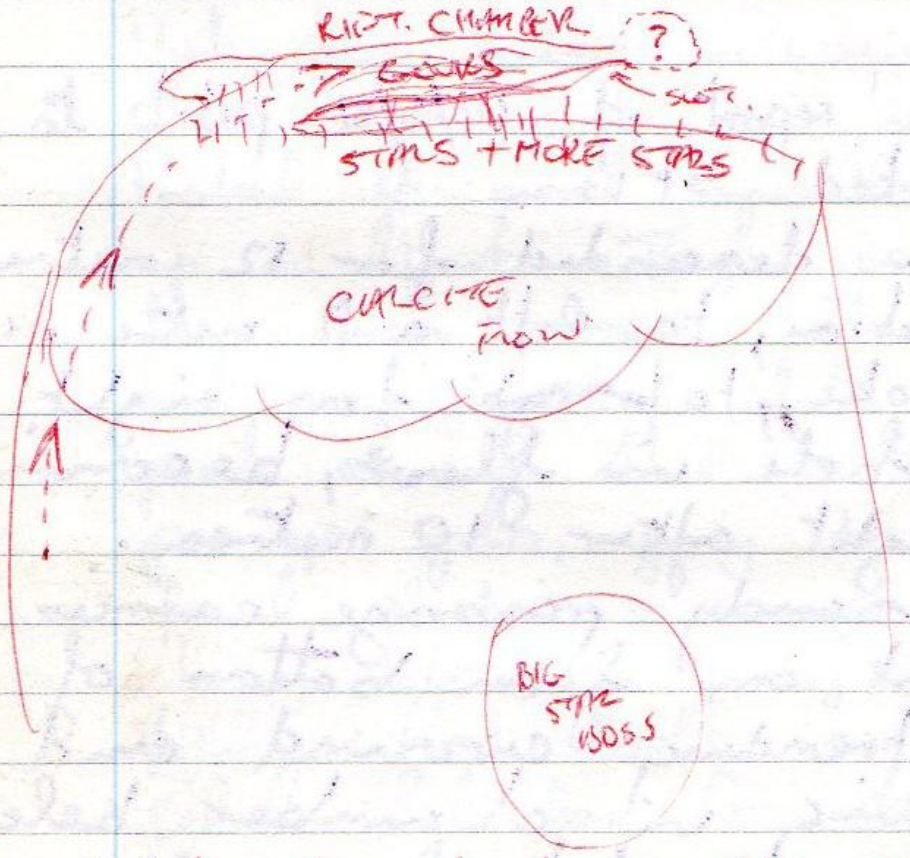
12/8/87. Nigel, Pete, Frank, Rob, Juan, Penny, Lugger.
Large team up to find J.C.F.9's 20m wide cave
Found after much searching.

304 – Small 3m shelter by track.
297 – 20m wide entrance (2.5m high) straight ahead
leads after 40m to crawl to choke. Left-
passage chokes immediately. ~~and~~ Right hand side – few
climbers over calcite
299 – Tree in collapse – descent in elevated section to choke
at floor level – l = 20m d = 10m.
305 – soft shaft undescended – right by track on
lower side.
298 – Frank.
300 – 30MTR SHAFT UNDESCENDED
301 – 30 MTR SHAFT UNDESCENDED CLOSE TO 300
302 – 20MTR + SHAFT TO BOULDER SLOPE HEADING TOWARDS 301 UNDESCENDED
303 – 15MTR + SHAFT IN BOTTOM OF LARGE CLOSED DEPRESION
NOT DESCENDED

See 17/8/87

13/8/87. Toad a T'hole Scavenging, choke demolition + photographing. K.P. Pedro + Mateus Cousins, Chris, Bez, Nigel, Joe
Went to lower chamber in "new" pretty stuff
and had a really good look at the back of
the eromanga slot flow, went in on L.H.S.

to minimise damage, crawl at back leads into right chamber 10 x 3 ft with tight slot leading out of far end into another mollish chamber which ~~was~~ was not entered ~~at the~~ at the time as getting in would be very hard at getting out on your own would be a right worse, its probably not worth a toss anyway.




Inspection of the draughting 'dig' showed most of the draught to be coming from the right hand side of the chake, low down near the back. We started digging further

forwards
~~[illegible]~~ to remove a large boulder which proved immovable even with the tirfor. However, whilst trying to dig out this boulder, a hole in the floor was found which draughts strongly and is larger lower down. It now needs two or three calcited boulders moving and an entrance should be effected.

Cistern Luggs, Sue, Rob.

From report of 10/8/81 pitch to left marked St1.

Pitch descended for 12 metres. to junction, to left a 7 metre pitch to choke, to ~~[illegible]~~ for right small hole in floor, becoming to tight after 10 metres.

A sandy passage carries straight on from bottom of pitch trending crossrand. and finishing in chamber below right hand pitch from St1 A approx 10 m pitch (undescended) in floor observed from this chamber, also a ascending

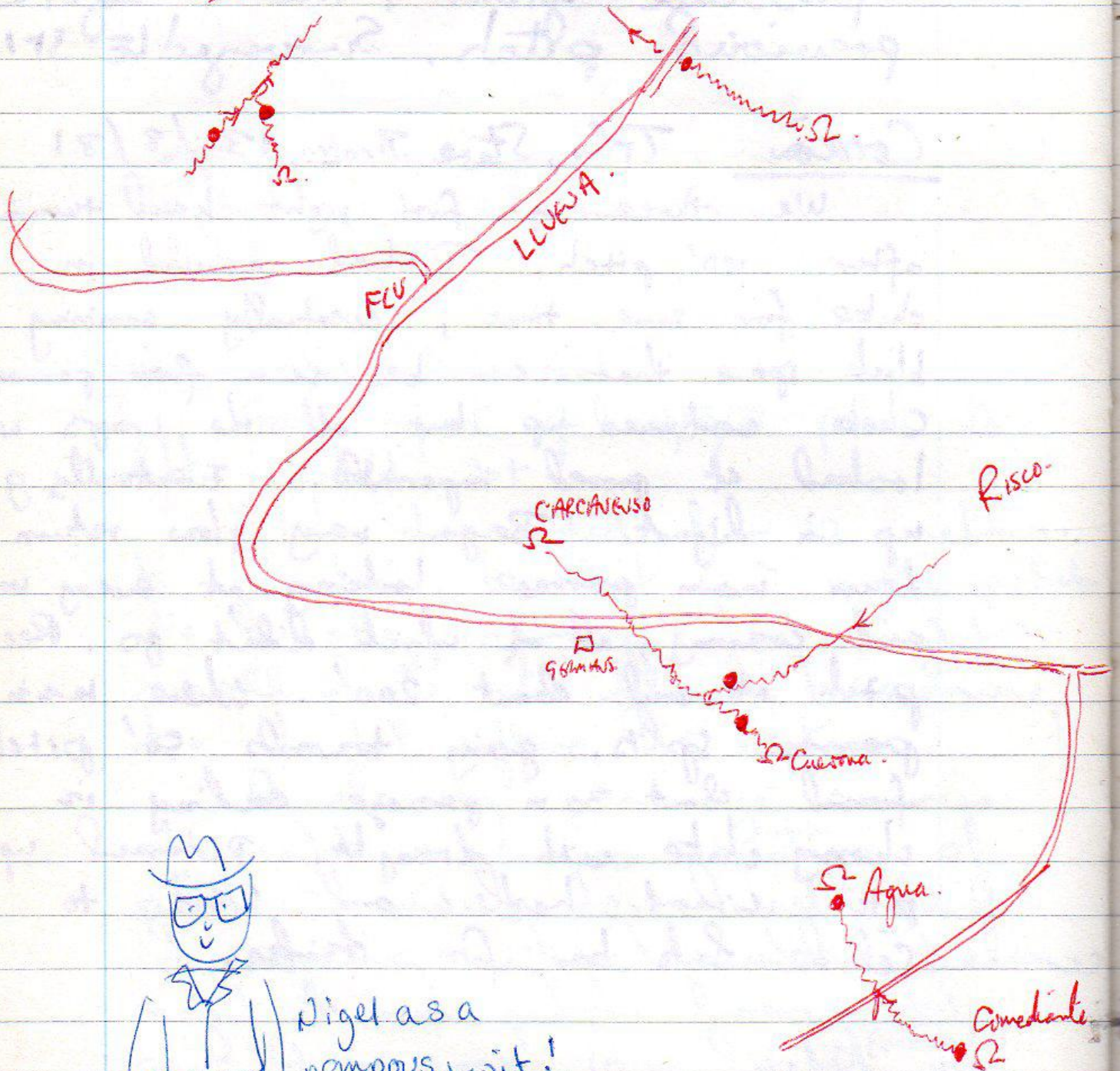
~~Chris, Pete~~, Steve,

passage from 7 metre before previous pitch. Surveyed to ST13A

Corrèon Tobo, Steve - Brasso. 13/8/81

We three up first right hand turning after 150' pitch. Probed around in choke for some time, eventually arriving in black space that can be seen from passage. Choke continued up but all the ways we looked at proved impassable. Eventually gave up in disgust. Began very slow return down main passage looking at every nook and cranny, all of which didn't go. Reckon pitch at end about 200'. Where main passage splits, going towards 50' pitch, found about 30 m passage ending in choppy choke with draught. Returned up pitch without hassle and went to Sel de Fute bar for drinks.

Juan, Penny, Rory, Julie, WATER TESTING.






Nigel as a pampous twit!
by Penny.

| | | | |
|---|---|---|---|
| Comedianto: | Inside entrance. | 110 ppm. | 0·12 comers. |
| Cueva del Agua. | 50m upstream | 110 ppm | 0·19 comers. |
| La Cuevona | entrance | 120 ppm | 0·14 comers. |
| Risco | at junction with Cuevona. | 160 ppm | 0·02 comers |
| Carcareno. | at bridge on main road. | 125 ppm | — |
| Fernando's | tap water | 105 ppm | — |
| Nacimiento del Rio Claro | bridge on Llora road. | 150 ppm | 0·1 comers. |
| Elegante (Secadora) | | 180 ppm | — |

(118) Churro.

continued: —

Sifon Claso. Where track comes stream. 140 ppm 0·0025 cumecs

Les Bergeres. At ~~lake~~ weir just downstream and at eastern resurgence. 130 ppm 0·5 cumecs.
Flow taken at bridge on 1st R-H. track returning from farm.
But what does it all mean ?!?

14/8/81 Toad in the Hole

Pete, Nigel, Joe, Bob, John, Brasso
Went straight to dig at end. Severely mutilated several boulders until one gave up fight and jumped out of way when spoken to by the Tirfor. Pete and John entered small chamber with no way on. Draught remains high up. On way out, John bottomed shaft on right of main chamber at approx 50 feet, blocked. About 10 ft above was small passage also blocked. Surveyed entrance pitch and 'shakehole' on way out. Seems to be end of obvious pushing in Toad in the Hole — phreatic mazes excepted.

TONY & ROZ ARRIVED.
Paul + Frank left.

15/8/81 Phil, Hilary, Keith & Tobo left. Also Ray & Julie.

"It might as well have mushrooms on it for all I care" — Maggie to Brasso.

A TYPICAL MEAL AT THE ~~BAR~~ TOMAS

(For Penny's revenge see previous page!!!)



15/8/81 General Festering (stinking hot and humid)
Nigel had tourist trip in Emboscados. Juan and Nigel resurveyed surface from wall at Vega Bar to entrances of Coleron and cave below. Height checked out to 2m and distance 11 m (in ≈ 500). Very hot.

---

16/8/81 Coleron Steve, Bob, Nigel, John.

Pushing trip at end. "Shaft" left by Lugger was just a climb down in rifts to small stream. Surveyed that and chamber off main passage. Steve pushed small side passage to 50ft pitch into streamway. Stream joins from right hand side then ~~sinks~~ runs off down low passage on right hand side (to pools — waist deep). At end of passage is aven with stream entering. This coincides with End of the Universe. Detackled all lower series on way out and carried tackle up to End of the World (saved carrying it up the steep part!) Exit 1 hour late

---

Jean Jolie, Tony. Coleron.

Went into passage off station 33 to find pitch. Kept left and crawled back into main passage around station 62. Surveyed back and then into maze where pitch was found and bypassed with a up and down to the right. Very complicated with a number of unpushed passages Draughts L. R and centre. Surveyed about 250 m and came out on time and had to hang about for the K.O.S's who only had to debattle the lower reaches.

---

17/8/81 Mulla ✓302 50ft to boulder slope, 30ft passage Choke. B&b.

✓300 - 150ft to boulder floor and choke - B&b.
301 - ~150m ~~was~~ Nigel down first 150ft.
✓303 - 70ft choked.
304 - 3ft diameter hole - 100ft undescended.

18/8/81 Joe, Bob, Nigel
Dig below Coterón - turned into a mine, little progress. Could not detect smoke on surface (fire lit inside cave to prove connection). (but then we were 1½ hours late looking for it)

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Portsmouth arrived and set up camp complete with boundary fence, minefield; fairy lights (for lighting fairies) etc etc etc.

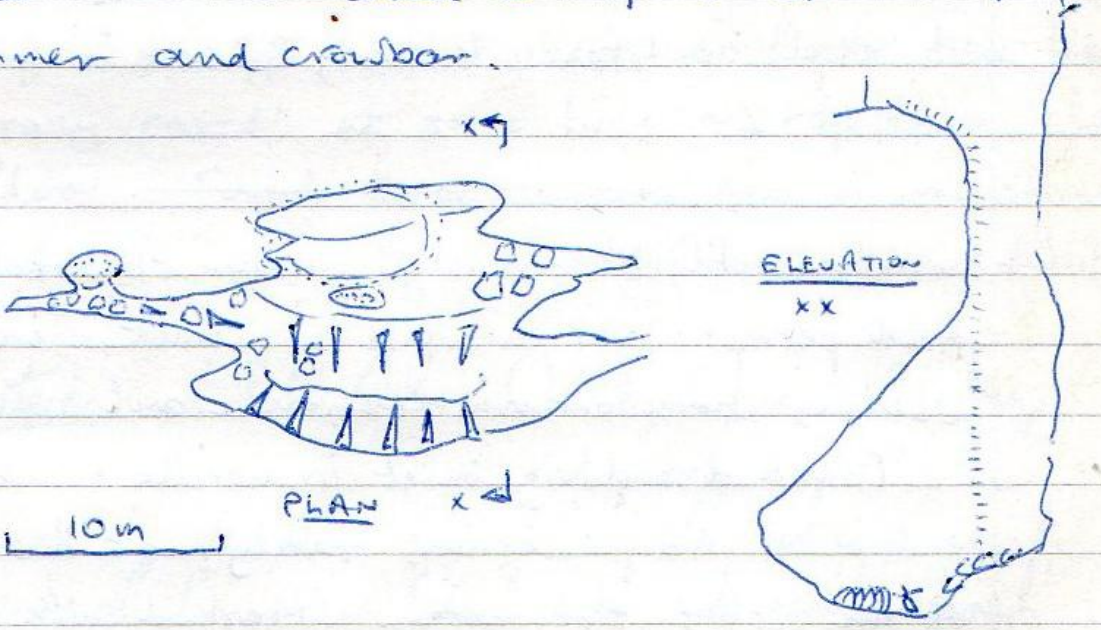
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19/8/81 Coterón. Pete, Tony, Brasso, Steve

While detackling, we went over the Edge of the World. After lobbing stones down the hole on the right (with flowstone and drips of water), we started descending through boulders on the left. Brasso went down three ladders to a little chamber and asked for more. Pete took them down. In the little chamber we met calcite and water again. Presumably the same as the hole on the right. Then Pete went down another 1½ ladders depth to a choke, though this pitch can be avoided by climbing through boulders. No way on. Is this the deepest boulder choke in Mutienzo?

19/8/81 Nigel Pete Torca de la Llana del Cueto.

Leisurely walk up to Torca ---- and descended pitch approx 80 feet into sloping chamber. Small chamber to one side corresponding to another shaft on surface. Also looked at several other holes in area. One on way up was drafting quite well and could easily be opened up with hammer and crowbar.



19/8/82. Uzeuka Jean, Tony, Roz, John, Julie, Bob, Joe.

Photography. Zoomed into Far Stoops only getting hot a couple of times. 1 Photograph in Far Stoops — not that impressive. Then photographs in Near stoops and Gorilla Walk. 6½ hours trip.

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Aqua Nigel & Bob.
Tourist trip to end and back to wash wetsuits.

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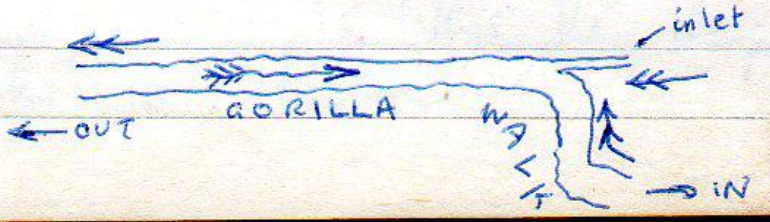
NB: Nigel has taken 4 ladders, 2 prusik and 1 lifeline rope back to UK.

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Uzeuka (contd) or how to get the latest chocolate and mud perm: put chocolate in helmet, wear through Uzeuka, come out via festerous crawl, and — bingo!

Found draughting inlet in Gorilla Walk, at inner end of a straight section, fairly near the inner end of the active streamway. Marked with a cairn. The inlet is immature, up in the roof, in line with the straight section, and draughts quite strongly into Gorilla Walk, but could be followed, though would be quite tight.

Joe.



20/8/81 La Vega Bob Bantam, Joe.

Having got the message via Liz that Dirty Frank's piccies of Coteron had/r come out, climbed up to Coteron to leave a message for Juan. On way down, walked over to the large entrance visible from the climb up to Coteron. This is 267, previously investigated by Pedro (27/7). On way back down diagonally to start of Coteron climb, about (307) 50m up from valley floor, found cave with smallish entrance, not very obvious, of about same area as Herman's bar. Only about 1,5 m high, but of interest because floor has been 'crazy paved' at some time on top of a clay floor. Found three sardine tins in an advanced state of decomposition, otherwise nothing of interest.

Coteron Pete, John, Julie, Juan +3 Portugs

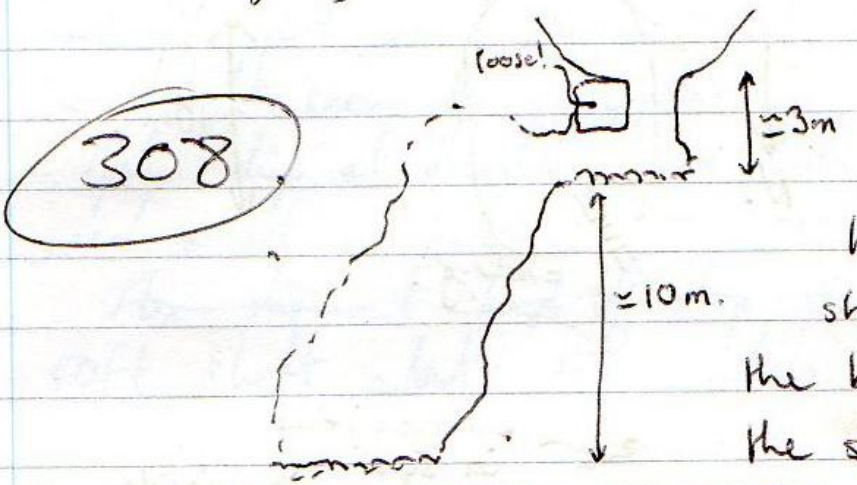
Team of 4 into Edge of the world and up sandy ramp at far end. Boulder slope and crouch through boulders at top leads into large chamber. Up on the right at far end is a nice phreatic tube down to gours pools and then into ~~then~~ small chamber. Climb down leads to a tight section in the floor. At bottom of main chamber is a crawl/walk

into another large chamber which needs surveying. Met up with others at 2nd pitch and Juan, John Julie went off to photograph R.H passage from station 4 leaving others to debacle. All exited debabbled and returned to base by 9-30.

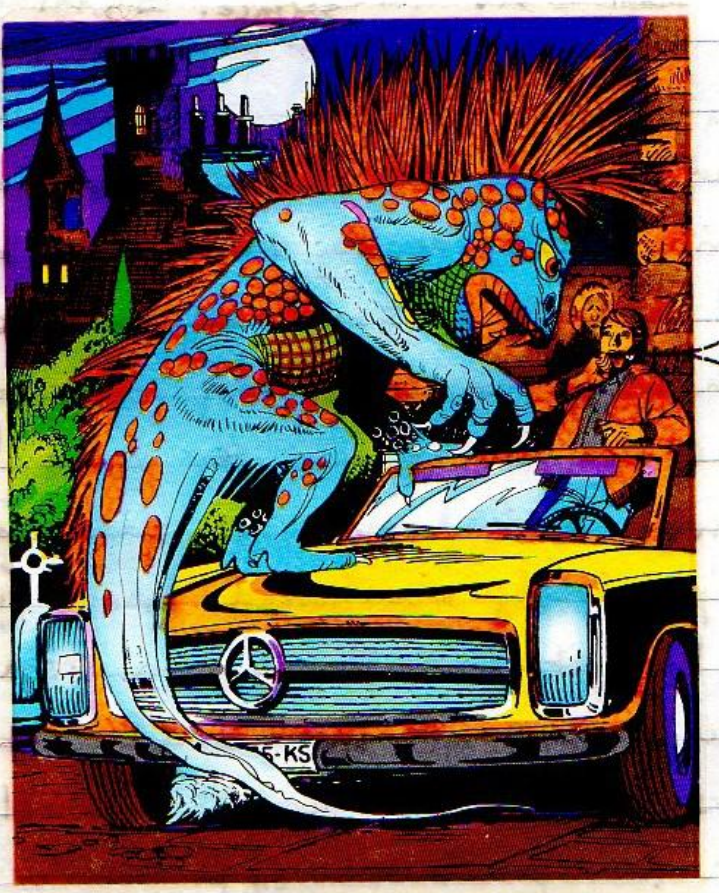
John, Julie and Pete went to do some surveying at the Codisera end, the by-pass to the pitch, and the Candy-Floss Meanders. All done with no problems. The interesting point now is off from station 44 (marked). A climb up, which needs a rope for safety, appears to have a 3m × 5m passage at the top. More meanders from this point lead back to the top of the pitch, although we didn't survey this bit.

21/8/81 ~~La Vega~~ La Vega (again.) Juan, Pedro, Joe, Penny, Liz.
Up to the draughting hole noted by Pedro on 19/8. (Turn left up track just up hill beyond Seldesuto turning) (follow track up, keeping right round knoll & keep climbing) Reached hole Joe noting another just down hill. Shakehole floor examined by Pedro, Hole in back side of shakehole by Juan. Pedro made most rapid progress, opening up a

shaft in minutes. Joe descended about 3m to a boulder ledge, under hanging death, with a 10m pitch in a rift down to a chamber. All this was draughting out.




Joe then looked at the hole below, which should correspond to the bottom level of the shaft. This was a 1,5m tight slope to a flat-out crawl, again

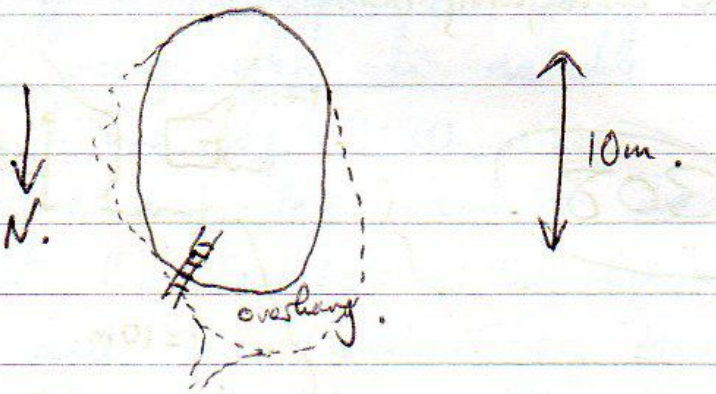


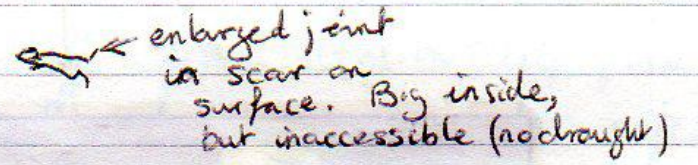

emitting a cold draught. With the right tackle, this should be an easy dig, as the floor is clay.

UN DESAGRADABLE ENCUENTRO EN LA CARRETERA DEL CASTILLO

or a funny thing happened to me on the way back from the snows.

Descended 30ft - 10m diam shaft about 5m deep.
No draught.




— the whole hillside over the adjacent area is riddled with holes, nearly all of which have no detectable draught (admittedly on a cold day) but which make an interesting afternoon's prod about. Watch this space for more!

On way back down, a cave was noted into the previously-mentioned knoll (which is the size of a big pit-ruck) where a trough overflows across the track. A low bedding, rather damp, disappears off into the knoll. Another Fuente La Curia?

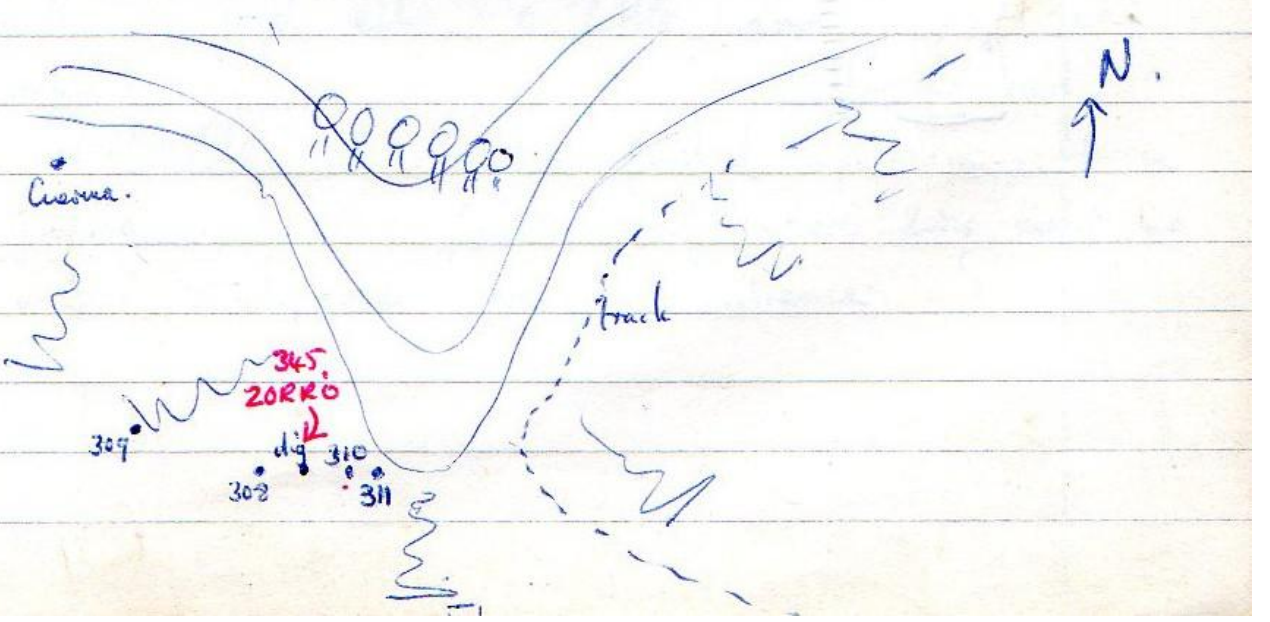
22nd Aug '81 Saturday. Juan, Penny, Joe, John, Julie up to area visited yesterday.

308 descended about 25ft to 6ft waddle to head of 10ft climb down. Gravel floor met and the draught seems to disappear.

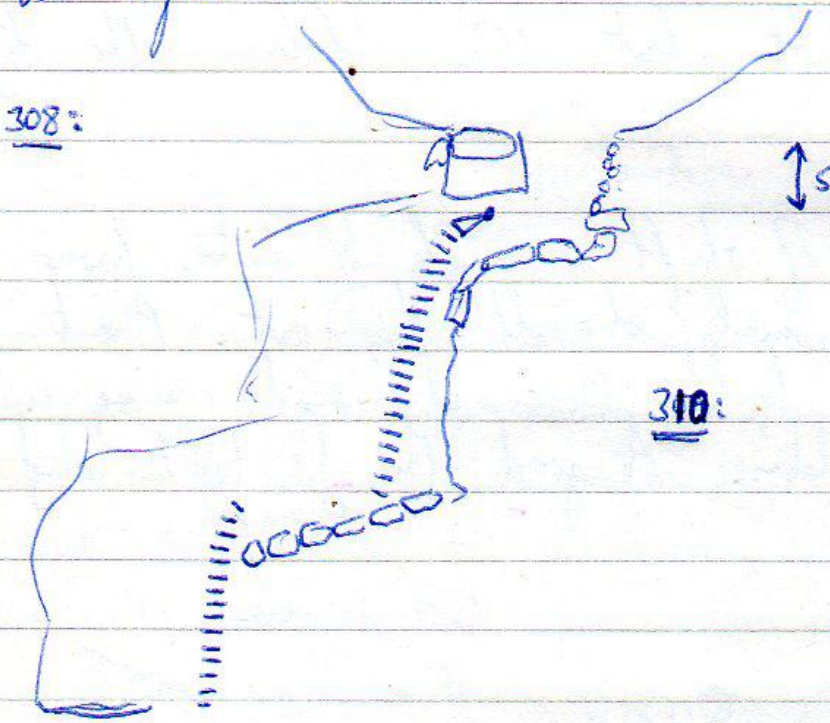
John digs at draughting cave below but this will need a lot more work. - Zorro ☺

~~Then dig out head of drop 5m~~ John then down 50ft shaft abut 15m below the dig: (310)

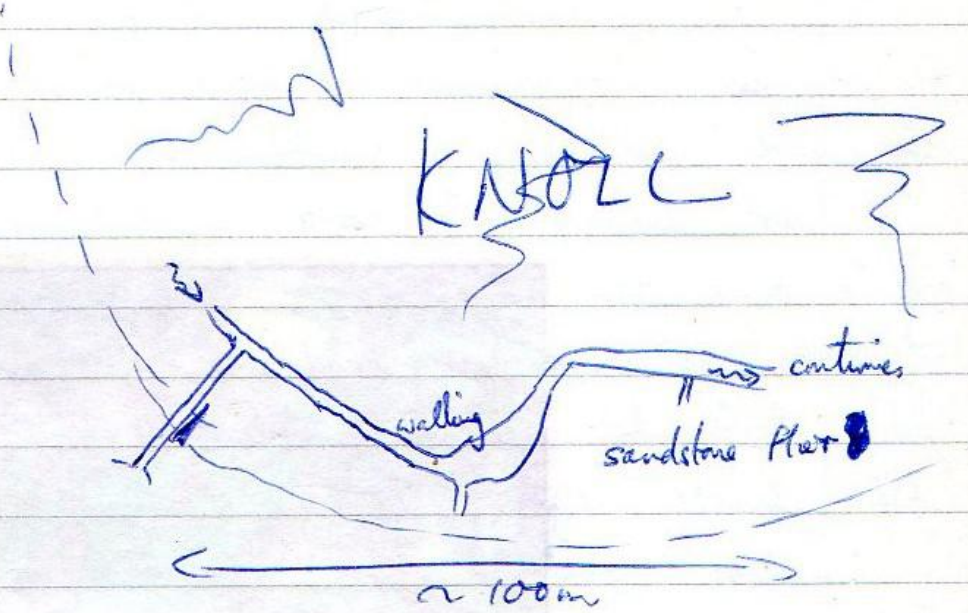
Head of shaft a couple of metres lower down slope with much draught dug out. About 8ft drop to boulder floor and wind coming up through the boulders. A good, though tight, dig. (311)



312 On way back Jo Jo hops over wall into treed depression at side of large knoll and enters cave with slight draught. Tight entrance and squeeze to meet streamway and then downstream for about 60m. Returned as it now needs surveying. Inlets noted - could be a through-trip. Joe finds hole noted yesterday - an inlet to this - to be too tight.



312.




23rd August.

Juan, Pete, Penny + Carmen return to 312, to discover the through route under the Knoll.

In fact, a short distance on from where Juan left his cairn yesterday the passage started to get very low. But it <u>will</u> go, it draughts in with a good echo. A little hammer might be useful to knock stal and calcite off the roof.

Horrible inlets were pushed upstream, twice finding roots through the roof where they must be under shakeholes near the entrance.




UN DESAGRADABLE ENCUENTRO EN LA CARRETERA DEL CASTILLO

23.4.81. John, Julie, Tony, Ros, Graham, Drew.

Went up to area above cruz d'ozano, to go down big shaft found yesterday. John got into his hardware pood for piccies had a look into hole and promptly got out of his hardware. Another shaft nearby descended to 70 ish feet with a window at foot into oven. Possibility of a passage about 20' up in a wall; needs scaling gear.

=

John Palmer.

Describtion of passage ~~from~~ in Coteron from stn 62 to end of universe and the series below.

From 62 an inlet up to the right can be followed for about 100m in a walking size phreatic tube to a junction where passage enlarges. To the left passage continues past holes in the floor on either side of passage, on the left leading down to a large, low, area of collapse with no way on noticed, and on the right leading to a small sandy rift, not pushed to any

conclusion. Back in main passage straight on leads via an awkward move over a hole in the floor to the End of The Universe a pitch in a very large aven estimated at up to 200' deep but as yet undescended. 20m back in the main passage is a pitch on the left, about 50' to a large ledge with small rift leading off (unpushed, then a further 40' to the floor proper. Passage down from here degenerates into a narrow meandering canyon until a further pitch is met. From the foot of this 50' pitch a chamber is walked into, with a pitch at either end. Descending the pitch to the left (50' long but sloping - rope would suffice) as you enter the chamber, leads to sandy passage ending below the right hand pitch of the chamber. From here a climb down through boulders leads to a small inlet and choked way on. From foot of stoping pitch, 10m forward leads to a blind 25' shaft under boulder on right. Immidiately forward of this is a low, short crawl under the left hand wall to a

chamber with 50' pitch in floor. This leads, via a scramble over boulders to a large passage containing a small stream and large mud banks. The water sinks about 50 m further on under right hand wall, into small phreatic passage with deep pools and an unpushed duck at the end. Straight ahead from the water sinks is an inlet which can be followed over boulders to an aven.

cave entrances I have visited vol II

24/8/81 Bigga Liz, Joe, Derek, Tony, Ros. Tourist trip, mainly to show Liz what Malienzo caving is all about. Uneventful trip, but on way to entrance, waving ferns indicated draughting holes in shakeholes near to entrance. (Rediscovery of digs of '75.) Investigating, on way past, after Bigga trip, found that one nearer to Bigga entrance is a crawl under an overhang, leading directly to 5m shaft, about ϕ1m, obviously of recent collapse (last winter)(?) as one wall is composed of clay at the top. Base of shaft leads to squeeze, giving onto a 4m shaft

on RH side, and hading rift down on LH side, going down perhaps 6m, with further holes beyond. Investigation curtailed by time considerations. Draughts out sufficiently strongly to blow dead leaves back up the shaft, if knocked down. Then investigated hole further towards the road (next shakehole). This also kicking the ferns about. The draught emitting from a low crawl to the LH side was so strong that a roaring sound could be heard, reminiscent of Reñada blow hole. Total air flow must be at least equal to the main flow out of Biggo entrance.

It's all Liz's fault. Es tu culpa, Liz!

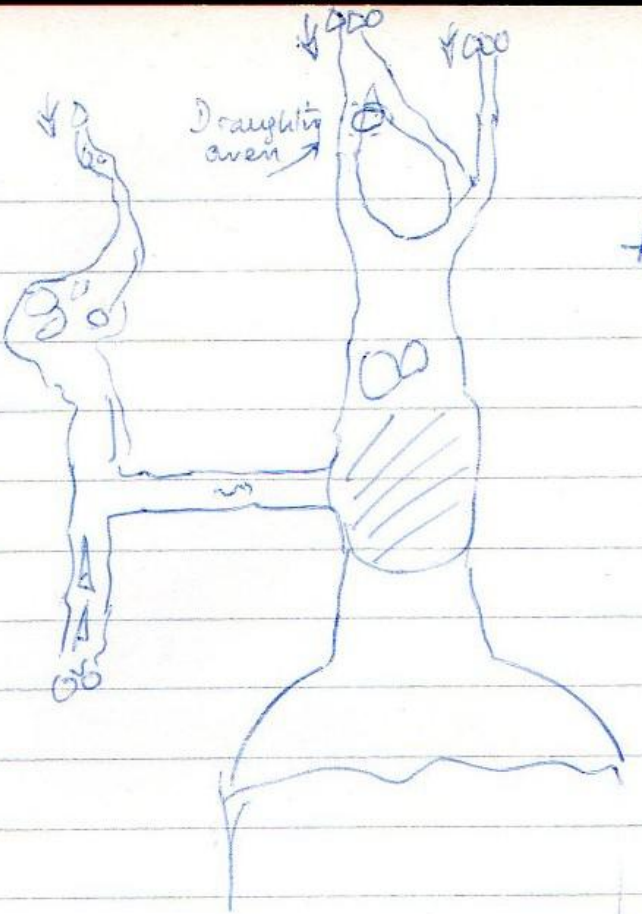
25/8/81. (313) Pete, Joe, Julie & John.

Looking at holes found by Joe + co yesterday near Biggo. Most promising hole continues through tight and nasty bits down to a hands and knees crawl in a stream passage ending far too tight but with a howling gale blowing out.

Other hole is a dig in a

shakehole which is emitting a very strong draught.

Jo Jo took 6 Portsmouth to be crawl in Uganda.
I was too big for the squeeze. Came out with him and drew up surveys all day — — — so there.




ARENAL

(14)

111 Secadas VN 52269867. Alt. m. Depth. 35m.

A 28m pitch lands on a boulder slope which descends to a choke. (19/7/81).

136. Torca de Coterón (No 136) Riaño
VN51049867 Alt. m Depth 45m.

A 6m pitch lands on a muddy boulder slope. The second pitch, in a rift, is 22m and is broken 9m from the floor by a loose bouldery ledge. To the west the passage chokes in two pits, while to the east a climb down through boulders for 25ft leads to the 3rd pitch of 5m and a choke. The whole pot is rather unstable.

Ref. P.

Cueva de Lara - Leanes (No 155)

Cueva (No. 177) La Vega
VN 51599551 Alt ms Length 441m Depth 84m.

Extended from l=150m.

184 Cueva VN 51909668 Alt. 422 m Length 10m depth 5m.

A 1m diameter entrance with climb down into 2 small chambers.

202 Cueva. VN 51879670 Alt. 430m Depth 10m?

Undescended shaft with narrow take off.

204 Cueva VN 51829670 Alt. 431 m. Depth 8m?

Steep slope in shakehole leading to head of pit in dark shiny limestone (undescended).

224 Cueva VN 51829670 Alt. 435 m Depth 6m?

Low opening ~~descending~~ leading to a 5m drop into chamber (undescended). There is another small cave lower down in a doline.

## Toad in the Hole.

The entrance lies in a steep-sided shakehole in a side-valley on the northern slopes of Selde Suto. A visit early in the expedition showed that it was draughting, and needed digging. So we returned four days later and started the dig. On the second day, a hole was opened up big enough for Pat to get down. By the end of the third it was so spacious that chief digger Roy could get into his discovery, an excellent new cave.

A handline is recommended for the shakehole (we bought one specially in the bar) which is floored with loose boulders and rubble from the dig. The entrance pitch is then 6m down through a slot (lined with unstable boulders) into a small chamber. The main way on is straight ahead and down into a large passage. A flowstone floor slopes down on the left, past two blind pots until it starts to rise and turn to the right. This passage ends at the Maypole Pitch, 6m high. From the top a well-decorated phreatic passage leads on to a junction. The smaller passage on the right reaches another pitch, descended with a rope handline and a ladder for the last section. Now a small passage suddenly enters a large chamber. Not particularly high, it is over 35m. wide, with a smooth dried mud

floor. On the right it is superbly decorated with abundant long and pure white helictites, A ~~[illegible]~~ rift passage leads down into a complex phreatic maze. On the opposite side of the chamber a squeeze opens in another large passage, with a massive stal boss ("as big as Paul's Mini"), and ending in some high grour pools.

On the left of the junction further phreatic passage leads to another 8m. rope and ladder pitch. To the left a passage contains aven which connect with pits in the higher passage. The main passage to the right ends in a choke, dug out to another smaller chamber and a draughting boulder-choke, which marks the present end to the cave. A low sandy crawl would be another possible way on.

Among the various side-passages, a small one on the left of the first chamber rejoins the main passage near the blind pots. A traverse on the right of the chamber crosses over the main passage and ends in a choke.

## COTERÓN . CODISERA SERIES.

From the junction with the Reñada series, the phreatic passages continue in similar style for some 300 m., roughly south-east, with a short crawl, until a pitch is reached with water falling down an aven. In fact this pitch can be by-passed, but from its base there are several blind pots and other short passages. One of these passages comes to another pitch, again with water. This is 12 m. deep, but only a short length of small stream-passage can be explored, at a depth of 196 m. below the entrance.

The by-pass to the third pitch connects with a smaller meandering passage, with some superb gypsum formations, like candy-floss on the walls. A difficult steep slope remains unclimbed, and is one of the best possibilities in this series, as there appears to be a passage leading off at the top.

→ Just before the return trip out they found part of the river-passage, between the main passage and the upstream sump in Bootlace Passage, and this still remains incompletely unexplored.

This new discovery has been important as it indicates a totally new direction for the active river passages. The downstream sump in Bootlace Passage is heading in the opposite direction to the resurgence. Next year's explorations in Coterón and Reñada might be able to determine the actual water-course, of obvious importance.

## REÑADA . BOOTLACE PASSAGE

Julie and Pete had climbed up to right of the main passage between Mega Hall and Ghost Lake on last year's diving trip in Reñada. Encouraged by a large black hole up ahead they returned this year, again coinciding with the dive.

The climb up to the black hole appeared too difficult so instead they turned their attention to a short pitch on the right. It dropped into a high rift passage, with the rumble of a river in the distance. Frank even did up Julie's bootlaces in his hurry to find the glory before them. Traversing round some pits in the floor they reached the top of a pitch, with another large passage out of reach opposite them.

On the return visit they found the pitch to be 17m deep, meeting the river coming out of a sump and going into another wide and deep one. Smaller passages both upstream and downstream failed to provide any real way on.

Back in the rift passage, Steve and Sue found a climb through boulders into a massive chamber, presumably the original black hole seen the year before, while Steve carried on climbing to an enormous chamber where he lost sight of the roof.

225 Mwela UN5670-80, 9495-9500 Alt.

large depression with many shakeholes, 3 of which have undercarved holes.

227 Mwela UN56079411 Alt.

line of depressions one of which is surrounded by thorn bushes and barbed wire (undersanded).

229 Secada UN53389867 Alt. 304 Depth ~~to~~ 20m

Small hole at side of roomy 20m shaft. Landing in one boulders. ~~Rough which covers~~ There is a slight draught. Interesting portion as it is directly above Rocky Horror in Cueva Uzueha.

249 Secada UN 53369868. Alt. 302 length 5m depth 5m.

Hole under blackberry bush drops into small chamber.

250 Secada UN 53369872 Alt 308 depth ~~20ft~~ 6m?

~~Left~~ Small covered shaft, too tight at top.

252 Sesada VN53129865 Alt 250 ~~Length~~ Depth 7m.

In tree ~~filled~~ lined shakehole. Drop through boulders into a boulder-filled chamber

253 ~~Sesada~~ Riaño ~~VN~~ UP52650002. Alt 228 Depth 5m + 6m.

Two holes found above the radio location in the Gorilla Walk, Cueva Uzuela. Both draught strongly. One a sloping rift which is too tight after 5m, the other chokes at a depth of 6m.

254. Riaño VN52409977 Alt. 242 Length 30m Depth 23m.

Shaft in tree-filled depression. Entrance pitch of 12m is broken by a ledge and the landing is on boulders jammed in large rift. A traverse out to the ladder on a bolt and then a 10m pitch to a ~~E~~ choked floor. Various gravels at head of 1st pitch close down.

255 Riaño VN51759989 Alt. 195m Length 7m.

Resurgence crawl which becomes too low but can be dug.

256 Riaño VN53209990 Alt. 362 Depth 9m.
Small hole leads into circular, 9m deep shaft. Choked.

257 Rico VN5 3279993 Alt. 378 Depth 9m length 10m.

A ~~capped~~ shaft capped with boulders. 8m & 9m The 9m pitch is ~~blocked by~~ a boulder ledge, the continuation lands on boulder floor, and the short length of passage closes.

~~253~~ 258 Toad in the Hole (Alt 258) Seldemto
VN 48849527 Alt ~~320~~ 295m approx length 459m+ Vert. Range. 35m

See Peters description.

259 Seldemto. VN 49059532 Alt. 298. length 10m.

Slope down into stooping passage which leads to 2 closes entrances.

260 Seldemto. VN 497956 approx Alt. ~250m length 20m

Many with 261 as numbers of holes exist on the cliff.
Walking sized passage which soon closes down.

261 Seldemto VN 497956 approx Alt. ~250m length 13m.

" "

Crawl to chamber with formations. A squeeze enters a second, smaller chamber.

262 Seldenito VN Alt. Length 40m depth 15m.

Entrance leads to a well decorated, descending phreatic tube which becomes too low.

263 Seldenito VN Alt Length 72m
Survey?

Large half tube entrance leads into large rift. To the left an ascending passage reaches the base of a surface shaft and a climb up at this point detects a draught from a rift. To the right of the entrance 30m of walking leads to a blow hole into a small chamber. A further squeeze to the right enters another small chamber and a possible calcite dig.

Cueva de Coterón (No 264) La Vega
VN 51279536 Alt 366m Length 3482m Depth - about 200m.

A cave system, already of some complexity, and likely to become one of the classics of the area, especially if it joins with Cueva-cubio de la Peñada. The cave has not yet been fully explored [Aug '81] and numerous questions marks remain on the survey.

Entrance is high up behind the bar in La Vega. The only sign of the shaft on the climb up is a cloud of steam

that can be noticed a hundred yards away on a warm day. This is associated with the powerful wind that blow up the shaft.

Seven ladders are necessary for the first pitch, although the vertical element, after the entrance slope, is only ~~soft~~. 45m. ~~Ten~~ Ten metres about the floor the entrance rift breaks into the roof of a ~~large~~ chamber floored with ~~debris~~ rocks. The line of the entrance rift continues up a well decorated calcite slope ~~up~~ until flat-out crawling is necessary and a calcite choke occurs 70m from the base of the ladders. A roaring sound can be heard at this point, and it has been radio located and a mine dig started for a bottom entrance.

The way ~~down~~ into the cave is down through the Portals (where the passage narrows to 5m ~~wide~~) and then walking along a gentle downhill slope of gours ~~pools~~ and drip pools, ~~often~~ sand with cave pearls. After 55m the floor levels out at a junction. A large passage continues up to the right over calcite to end after a few scrambles up and down at a large boulder choke on the right and a ~~200~~ 60m undescended pitch on the left. The boulder choke has been ~~bottled~~ pushed but no way through exists. This 200m long passage contains an undescended pitch of about 10m.

Back at the junction, the left hand passage starts as a scramble down boulders to a hole up through boulders into

a 20m high 15m wide passage. A climb up and then down a sandy ramp leads to a massive boulder filled rift and past an undescended pitch on the left. The rift descends steeply to the head of the second pitch which drops down the side of the rift and lands on its lower continuation. Total pitch depth is 20m although the final vertical drop is only 12/2m.

At the base of the pitch a scramble down boulders leads to a short climb down between boulders to a further descent over boulders to a sandy slope down to the Edge of the World. The sandy floor ends abruptly at the lip of a superb 30m diameter chamber. Fifteen metres down and in the centre of the chamber a jumble of boulders hide a number of shafts - one has been descended for about 100ft between the roof and boulders to a boulder choke, other routes down are shorter. Above the chamber is also a high aven.

The 'Edge of the World' (at a depth of 160m below the entrance) is one of the focal points of the cave - 4 passages are known to radiate from it (apart from the entrance passage) the first of these is to the right of the entry to Edge of the World. A climb through boulders drops into a 15m wide 10m high passage which leads off under the boulder slopes already traversed. The passage is essentially horizontal for its 400m length, although there is a climb up where calcite starts to close in the passage.

The further reaches of this passage (called Marvins Marvels) are very well decorated ~~a~~ with stal. curtains almost closing off the way on in a ~~num~~ couple of places. The floor of the passage raises up to a calcite choke at the end.

The second passage sets off from the ~~rear~~ back of the chamber and is reached up a steep sandy slope with a stoop to the right ~~into~~ into a large rift floored with ~~the~~ boulders. A climb up these leads to a boulder choke, 40m above the Edge of the World. A scramble through breaches into another large boulder floored passage with a short length of small passage at the bottom leading to another large chamber, and at its high point, a ~~place~~ 4m diameter tube which drops after 20m into a grotto and a ~~further~~ 4m climb down into a crawl that has not been pushed to a conclusion.

The 3rd passage is best reached by setting off along the 4th and then turning right just after a 10m undercut pit. The passage acts as a ~~safe~~ route around ~~any~~ the edge of world ~~bypass~~ to the passage just described.

The route to the further reaches is in this Fourth passage. ~~This passage~~ It is again essentially level and for most of its length is about 10m × 10m. The floor is mostly very old calcite, sand, limestone debris, water worn sandstone cobbles, gypsum flowers and some white spongy material which is probably gypsum. In a couple of places where less material has fallen from the sides and roof the phreatic tube still shows its original pothole floor – ~~probably~~

hundreds of thousands of years since it left land surface etc.
One hundred metres in there is a short scramble down through a window hole in boulders and 40m further on an inlet is reached on the right. So far 278m of passage has been surveyed up this inlet in a veritable 3D maze. The passage is varies in size from flat out crawling to 7m high 2.5m wide. There are a number of possibilities for pushing. Twenty metres of boulder chokes later another junction is met at a rubble chambers. Keeping to the right, up the Levada Series. Twenty metres in, an unpushed inlet is seen on the right and after a further 70m of walking a 3m high slit is seen again on the right. This leads to the deepest point and will be described later.
A set of white formalrin with one orange one after 100m is soon past and 50m further on the passage on the left narrows to the head of an undescended 10m pitch. Just back from here, on the right, a

TOBO's 9/8/81.
JOHNS
PETES. Cadwaller

A8

Cuevas de Copudia (No 265) La Vega
VN Alt. Length 164m.

A large remnant with 3 entrances, possibly associated with Torca de Coterón. Walking, boulder flowed passage climbs in a couple of rifts at the back of the cave

No 266 La Vega
VN Alt Length 84m.

Sandy flowed, muddy walking passage

267 La Vega.
VN 5120957~~7~~ Alt 375m. Length -

Very large entrance under overhang. Right passage soon climbs, left hand one ends at the moment at a draughting climb up.

268 Riaño
VN 51429967 Alt 205m length -
A passage with a low bedding. Permission needed.

269 La Vega

VN Alt Depth 10 m

Shaft to rift passage which becomes too tight.

270

314. Mula.

VN 5537.9662 Alt. 627m. Depth ~12m.

Boulder-covered shaft - choked.

315. Mula

VN 5538.9661 Alt 628 Depth ?

Estimated 60ft pitch - small hole in floor.

316. Mula.

VN 55249652 Alt 644m. Depth. 15m.

Choked shaft.

317 Mula

VN 55189660 Alt 636. Depth ?

Estimated 300ft depth -

318. Mula.

VN 55699623 Alt 553m Depth 60m.

Ledge 20m down. Choked at base.

319. Mwela.

VN 55769644 Alt 527m Depth. ?

Estimated 200ft depth.

320. Mwela. 8

VN 55779640 Alt 531m. Depth. ?

Estimated 300ft depth - loose entrance shaft.

321 Mwela.

VN. 55359690 Alt 489. length 10m. Depth. -

Single choked chamber.

322. Mwela

VN 55909631 Alt 554 Depth 10m

Choked shaft.

323 Mwela.

VN 55919633 Alt 554 Depth. 10m.

Choked shaft.

324. Mwela

VN 55969617 "Quebraiable" Alt 540.

60ft drain pit - ramp in corner - looks promising.

325 Mule.

VN 55829624 Alt 588. Length 5m. x 2.

2 small ~~[illegible]~~ horse passages 5'ϕ both 15' long.

326.

Continued in 1982 log book

# MATIENZO CAVES PROJECT