

CCPC



Newsletter No. 44

JUNE 95

Summer Meets.

JUNE

- Sun 4th Little Hull Pot. Penyghent, Yorkshire.
NGR SD 821744 Grade 4 Depth 98m Length 1.1Km
- Sat 10th Birks Fell Cave. Upper Wharfedale, Yorkshire.
NGR SD 931769 Grade 4 Depth 142m Length 4.6Km
- Sat 17th Dan y Ogoŷ. Brecon Beacons, South Wales.
Grade 3-4 Depth ? Length 15Km

JULY

- Sat 1st Washfold Pot. Alum Pot Area, Yorkshire.
NGR SD 774765 Grade 5 Depth 112m Length 312m
- Sun 9th Pippikin Pot / Link Pot. Casterton, Yorkshire.
Pippikin. NGR SD 667800 Grade 4 D 142m L 7Km
Link Pot. NGR SD 668803 Grade 3 D 85m L 3.2Km
- Sat 15th Slaughter Stream Cave. Forest of Dean, Gloucester.
NGR SD 582137 Grade 3-5 Depth ? Length 11Km
- Sun 23rd Long Rake Mine. Bradwell, Derbyshire.
NGR 153808 Grade 4 Depth 150m Length 160m

AUGUST

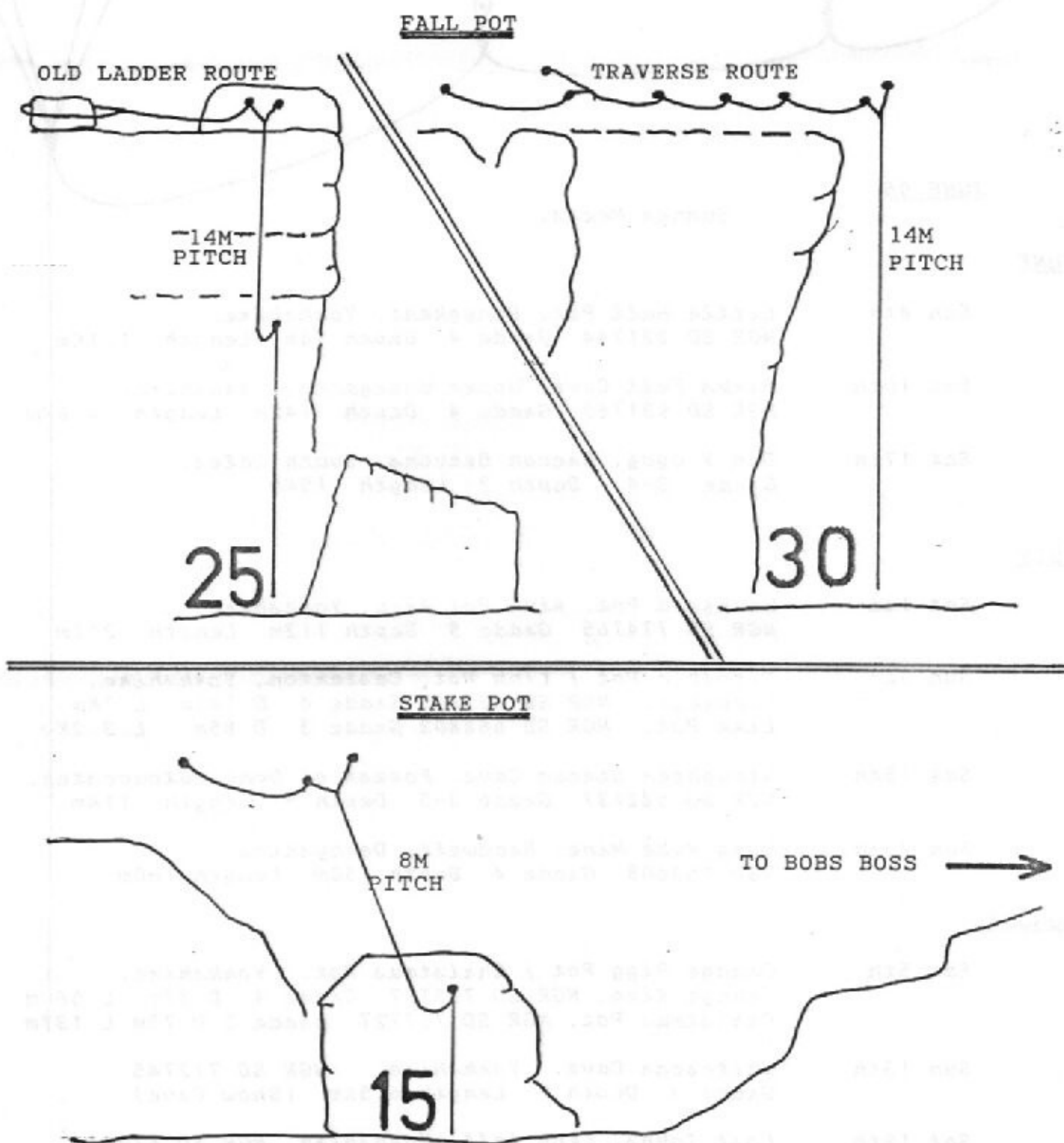
- Sat 5th Grange Rigg Pot / Christmas Pot. Yorkshire.
Grange Rigg. NGR SD 755727 Grade 4 D 87m L 560m
Christmas Pot. NGR SD 757727 grade 3 D 75m L 137m
- Sun 13th Whitescar Cave. Yorkshire. NGR SD 712745
Grade 3 Depth ? Length 6.5Km (Show Cave)
- Sat 19th Lost Johns. Leck fell, Yorkshire. NGR SD 670786
Grade 3-4 Depth 141m Length 6Km

RIGGING IN LANCASTER HOLE

During September the ladders from Fall pot and Stake pot were removed, this was done for two reasons:

- 1; The ladders had been in place since 1948 and were second hand railway signal ladders when they were put in.
- 2, They were heavily used especially by large parties doing a through trip from Lancaster hole to County pot, a reduction in the number of parties doing a through trip will help conserve and reduce erosion of the cave, especially the high level fossil series. The pitches have been rigged with resin bonded Eco hangers, Ladders and lifelines or S.R.T. may be used. The Stake pot one is self explanatory.

Fall pot, two alternative rigs are possible, the old ladder route can be rigged with a re-belay hang past the two ledges. An alternative and better route leads off from the south east end of the top level of Fall pot, on the opposite wall to the old ladder location via a traverse along a wide ledge to a straight 14 metre hang.



The cavers fair will be a participation event. The idea is to take part not hang around getting pissed. Bring your own caving gear, NO CARBIDE, lamps will be available for hire.
Camping at Penwyllt is included in the cost. Fast food will be available during the day but you will need to provide yourself with packed lunches for off site trips.

If you pre book a list of alternative accommodation will be provided but you will have to make your own arrangements.

A licenced bar will be available, Note that the local police are very hot on drink driving so drink with us and be safe.

All workshops are booked on the day, first come first served.

The fair is organised for the NCA by the West Brecon CRT and the SWCC.

To make the fair a success YOU have to contribute YOUR experiences and skills.

Book early, using the form on the back of this sheet.

WORKSHOPS

ARCHAEOLOGY	GEOLOGY	HYDROLOGY
PHOTOGRAPHY	SURVEYING	SRT ADVANCED
SRT BASIC	BOLTING	DIGGING
EXPLOSIVES	FIRST AID	RADIO LOCATION
RIGGING	DIVING	CONSERVATION
BIOLOGY	RADON	CEN STANDARDS
VIDEO	ART	GREENSITES

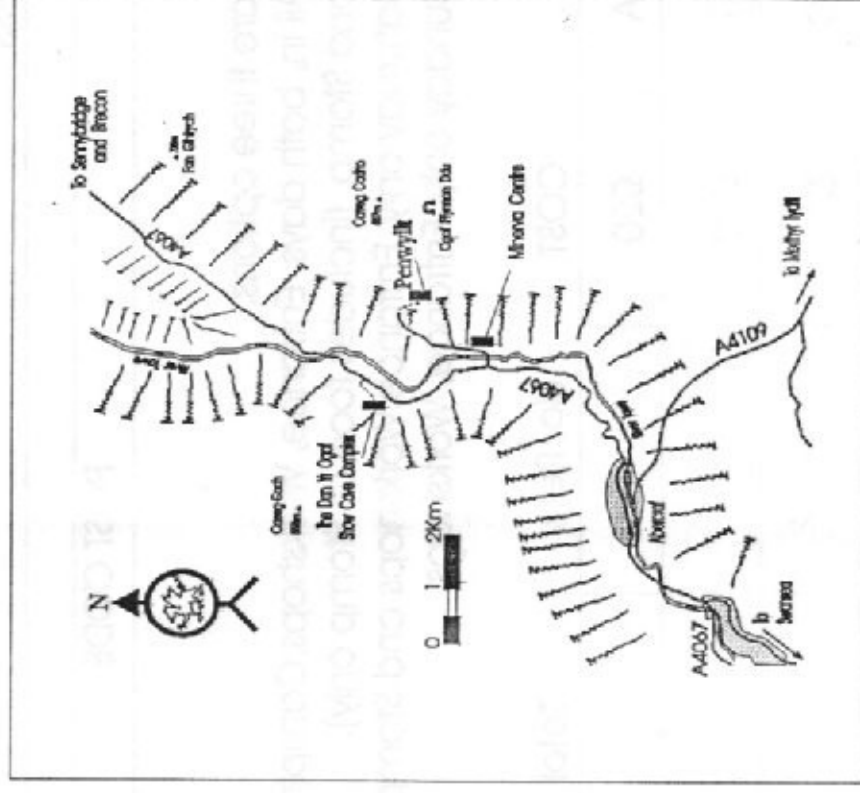
DISPLAYS

NCA	BCRA	ROPE TEST
RESCUE	TRADE	C.C.WALES.
CLUBS	ART	VIDEOS

THERE WILL BE A PENTHALON FOR TEAMS OF FIVE, WITH A 'LIVE' VICTIM (BRING YOUR OWN)

Registration for workshops is between 8.30-10.00 am on the day.

nca cavers fair



SWCC

penwyllt

abercraf

swansea

24-25 june
1995

BOOKING FORM

NAME

ADDRESS

POST CODE

There are three options.

- A) All in, both days, Entrance, Workshops, Camping and Stomp, (includes food at Stomp only).
- B) Saturday only, Entrance, Workshops and Stomp.
- C) Sunday only, Entrance, Workshops.

	COST	No. Req.	Total
Ticket A	£20		
Ticket B	£2		
Ticket C	£		

Send this form to the SWCC, c/o the NCA, PO Box 95, made in the UK. Please send a postal order to: to:

Caversham, Wokingham, RG40 3JH, UK. Lichfield, Staffs.

TIMETABLE.

FRIDAY 23 FEB.

16.30 ON
19.00
22.00

REGISTRATION
BAR
SLIDE SHOWS

SAT. 24 FEB.

8.30/10.00
10.00/16.00
18.00
20.00
21.30

WORKSHOP REG.
WORKSHOPS
PENTATHLON
STOMP
FOOD

SUN. 25 FEB.

8.30/10.00
10.00/16.00
16.30

WORKSHOP REG.
WORKSHOPS
CLOSE

The main venue will be the Brickwork's Quarry just beyond the SWCC hut. The NCA instructors will not be paid! The Stomp is a live band and during breaks there will be slide shows in the Brickwork's Quarry.

Trade stands etc. will be all day and there will be caving trips if required. Site security will be provided but you must be responsible for your own gear. There will be stands at Dan yr Ogof.

To avoid past niggles everyone pays their fair share.

Any profit will be split between the WCC and the NCA. It is hoped to help purchase a major item for future events. The SWCC only require to cover the cost of power and gas.

The SWCC hut is reserved for the organisers and the Group Dragons.

REMEMBER NCA CARRIES

any offers of help, ideas to: Jopco.

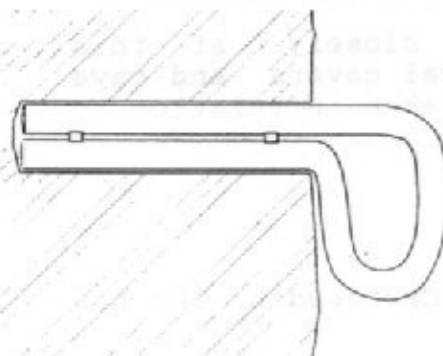
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MASKHILL MINE

This is still extremely unstable and is best avoided for the present. Plans are being drawn up to stabilize the shaft but it is becoming more complicated than was first thought so it may take some time before the work can even be started.

Equipment and Safety

ECO-RESIN HANGERS - DROP TEST RESULTS



DROP TESTS: During the next 5 drop tests the gauge was not zeroed after each drop test. The following readings were recorded:

Test No.	Critical Load Point	At Rest Under Load	Off Load
1	00.20mm	00.10mm	00.025mm
2	00.60mm	00.21mm	00.12mm
3	00.80mm	00.26mm	00.17mm
4	01.10mm	00.29mm	00.19mm
5	01.3mm	00.34mm	00.24mm

TEST DATE: 9 July 1994

LOCATION: Dingle Quarry, Dalton, Lancs.
SUPERVISED: Les Sykes of C.N.C.C.

Three hangers were installed on 5 July 1994 by Les Sykes using the correct method of placement. Above two of the hangers "M8" self drilling bolts were placed to hold the gauges in position. The third hanger had a thermometer placed against the hanger and in the resin to a depth of 45mm.

A 00.01-10mm gauge was used to record the movement of the hangers in the direction of the load. These were held in place by the pre-installed "M8" self drilling bolts.

The readings for the critical load point are approximate as we were unable to take this reading accurately.

Critical Load Point: The point at which the rope and hanger arrest the fall of the weight.
At Rest Under Load: The reading that was taken after the F.F.I once the weight had stopped moving.

Off Load: The reading that was taken when the load used for the drop test was removed, thus, no load on the hanger.

The following drop tests were done using a 76.5 Kg weight. A Fall Factor 1 was incurred for each drop test.

HANGER 1

This was placed with the load bearing curvature pointing downwards, as it would be used in most cases.

STATIC STRESS TEST: For this test the hanger was loaded with 85 Kg., the type of loading during everyday usage. Under load a reading of 0.06mm was recorded.

The importance of radiusing the lower edge of the drilled hole to accept the hanger ensures that the hanger is snug to the rock, thus reducing the stress on the shank of the hanger during falls and general usage.

HANGER 2



85 Kg bounce
76.5 Kg drop

This was placed using the correct method of placement but the load bearing curvature was parallel to the ground, i.e. the hanger was in a horizontal position.

This was to test for movement of hangers in traverse lines where the applied load would not be in line with the hanger.

STATIC STRESS TEST: The hanger was loaded with 85 Kg. and a reading of 0.30mm was recorded. When off loaded a reading of 00.171mm was recorded.

The gauge was zeroed, 85 Kg. was loaded on the hanger and the weight was bounced for 30 seconds. This was to simulate cavers hanging on traverse lines and bouncing in their harnesses. During the bouncing a maximum reading of 0.50mm was observed. When off loaded reading of 0.059mm was recorded.

Pot-holer in cave drama

☐ AN injured pot-holer was lifted to hospital by an RAF helicopter last night after falling down a cave.

☐ Rescue workers battled for six hours to reach Ian Dexter, 21, in Swinstow Cave, Ingleton, North Yorks, after his friends raised the alarm. Ian, of Sandbeck Avenue, Skegness, was flown to hospital with a broken arm.

recorded. (Remember the gauge was zeroed after the previous test.) This movement of 0.50mm is equivalent to a torque of 40psi/5.5Kg Metres.

DROP TEST 1: A 76.5 Kg. weight was used and a Fall Factor 1 was incurred. Because of the angle of the hanger to the load, the hanger bent at the head of the shank, thus the load bearing curvatures of the hanger were rotated 5.50mm in the direction of the load. At this point the resin had not cracked or failed. When off loaded the hanger retained its 5.5mm deflection.

DROP TEST 2: A 76.5 Kg. weight was used and a Fall Factor 1 was created. At the critical load point the resin cracked and the hanger rotated further towards the direction of the load. The deflection was too great to measure on a 00.01-10mm gauge. Although the hanger had obviously failed, there was very little rotational movement.

NOTES ARISING FROM THE DROP TESTS: There is normally more than one hanger in a traverse line, therefore the type of load and the fall factor used would not occur during normal caving. Any loading of the traverse line would be shared between hangers, thus reducing the generated forces. This, though, is not strictly true because when rigging traverses the person rigging should ensure that the traverse line is kept taught. In the event of a fall on the traverse line this would produce an angle of about 170° in the line at the point of loading. This would result in a 100 Kg. original loading producing a load of about 1146 Kg. on each hanger, with a total load of about 2292 Kg. Considered bad practice and bad rigging, a traverse line rigged with excessive slack would offer a

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ELDON HOLE QUARRY

The quarry owners, RMC will be putting in a planning application which asks to extend the time for which working continues for approximately seven years without the need to extend the quarry outside its present limits. The company state that this would allow them to make a better job of restoring the excavation to appear more like a natural landform. Currently the permission runs out in 1997 and a Public Enquiry a few years ago refused application for extensions.

As part of their public relations exercise the quarry held an "Open Day" for cavers on 3rd December and several dozen cavers were able to have a good look round, ask questions and also to investigate some open cave passage just broken into by recent blasting.

Naturally DCA will be looking very closely at this application and will be seeking views from local cavers and cave scientists before deciding what line should be taken in relation to the application.

CLATTERWAY SOUGH

Cottage and grounds are now owned by Mr M Cruttenden. The new phone number is [REDACTED]

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lesser loaded angle of rope, resulting in a reduced loading of individual hangers.

The test was extreme, to test the flexibility of resin bonded hangers: as the result shows, the hanger bent but held the load without failure.

It is apparent from the static stress test and the bounce test that the hanger does move when loaded from the side, as in traverse lines. In fact, as a caving group progresses along the traverse to the head of the pitch, each hanger is being multi-directionally loaded. If cavers use the rope to pull themselves up/along or hang in their harnesses in mid-traverse, then considerable stress is being placed upon the hanger and resin bond.

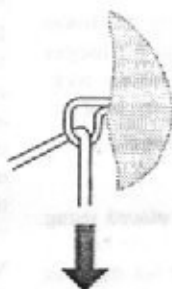
Although the hanger and resin bond possess strength and flexibility, the type of actions mentioned above will, ultimately, weaken the resin bond prematurely. This, though, will not lead to a rapid failure of the hanger or resin and may only show as a slight rotational movement in time. I feel that it WOULD NOT compromise the safety of the user as hangers that have had slight rotational movement have proved stubborn and hard to remove.

When using traverse lines the body weight should be kept on the feet and hand holds: the traverse line should be used as a safety line, not as a means of suspension when traversing.

The practice of driving a groove with a

chisel in the base of the hole for about 45mm will increase the surface area of the resin and help alleviate slight rotational movement. All installers who have attended the eco-resin training will be sent an amended training procedure.

HANGER 3



build up would be created when a load is lowered on a rope through the eye of the hanger.

A 51 Kg. weight was used for this test. The temperature reading before the start of the test was 22°C. After 10 ascents and descents of the load, a total travel distance of 60m, the hanger was too hot to touch although the reading on the thermometer remained at 22°C.

A further 10 ascents and descents were conducted. The reading on the thermometer remained at 22°C although the rope/hanger contact area was extremely hot. After 3 minutes the hanger could be touched without sustaining a burn.

The test did glaze the rope and it was obvious the rope had been mis-used.

The hanger had a shiny area where the contact had taken place, although there was no obvious groove.

NOTES: This test was conducted mainly for the B.M.C. who "lower off" after a climb.

The test was conducted using a dry, clean rope. A wet rope would have reduced friction, resulting in a lesser temperature increase on the exposed hanger but a dirty rope would definitely abrade the hanger's contact curvatures and reduce the diameter of the contact curvature to 6mm (the minimum) prematurely.

There is obviously no appreciable heat build up that is transmitted to the resin or down the shank of the hanger. Generated heat obviously dissipates effectively through the surface medium.

I would not recommend that hangers are used in this way, especially underground, where the ingress of grit is inevitable. Pulleys, krabs or mailons should always be used.

Where this practice is the norm then a careful, regular check should be maintained to ensure that the hangers stay within the minimum 6mm in diameter in any plane.

Should any of these test results be reproduced or copied, then the source of the information must be quoted.

Les Sykes, Hon. Sec. C.N.C.C.
From C.N.C.C. Newsletter 4/94

1995 MEMBERS LIST.

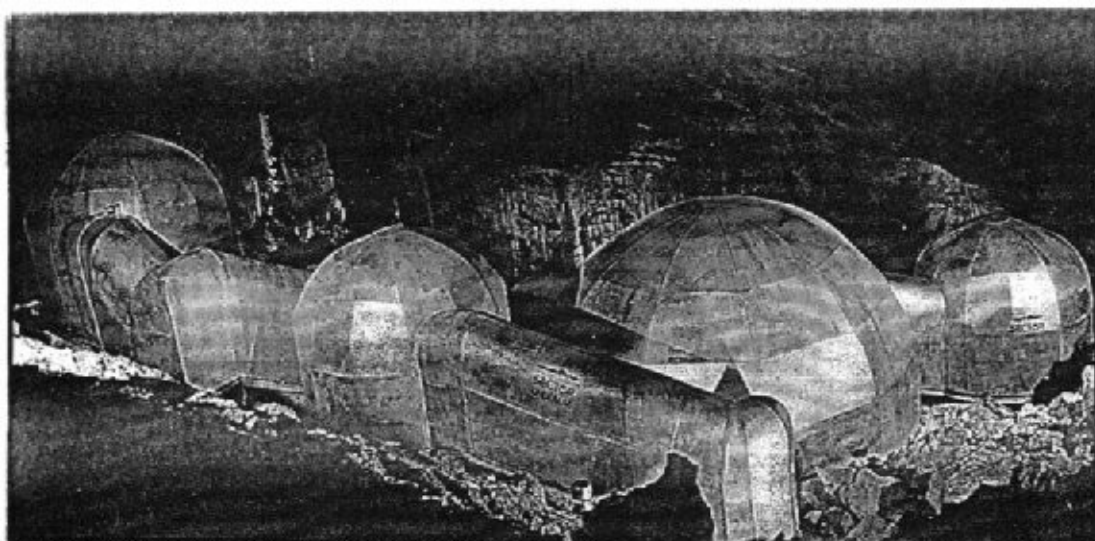
C.C.P.C.

Page 1

Member	Home Phone	Surname	First	Address	Town	Post Code	Work Phone
1		Brandwood	Sharon				
2		Bratt	Helvyn				
3		Brookes	Jane				
4		Conde	Darren				
5		Conde	Neil				
6		Conde	Tracy				
7		Cooper	Nigel				
8		Crane	Carole				
9		Crane	George				
10		Edmonds	Brian				
11		Evenden	Ruth				
12		Falkner	Keith				
13		Forster	Peter				
14		Foster	Nick				
15		Gamble	Tony				
16		Grindley	Ian				
17		Hanson-Abbot	Adrian				
18		Holdcroft	Paul				
19		Johnson	Ralph				
20		Johnson	Marguerite				
21		Kelsaw	John				
22		Knapper	Andy				
23		Knapper	Fiona				
24		Knox	Steve				
25		Lear	Gordon				
26		Lovatt	Mark				
27		Martin	R				
28		Martin	John				
29		Morris	Colin				
30		Paul	Gamble				
31		Preston	John				
32		Reade	Pip				
33		Reynolds	Tony				
34		Schofield	G				
35		Shenton	John				
36		Smith	John				
37		Smith	Terry				
38		Willingham	John				

Redacted

The above list is the upto date "paid up" members list for the Crewe Climbing and potholing Club. If your name and details are not on the list, but you have paid your subs for 1995, I apologise for leaving you off, but could you please let me know as soon as possible, because this is the only mailing list for the Newsletter. If you have over looked paying your subs and wish to receive the Newsletter, for as little as 35p per week, that is £18 a year (no discount for paying late I'm afraid) you can remain a member of probable the best Caving Club in Britain. Also if you could check your details and anyone else's on the list and correct if necessary especially post codes, and return to me as soon as possible.



Bubble home: Underlab was in a cave 300ft below the earth's surface and was completely isolated

270 DAYS UNDERGROUND

A WOMAN has returned to the surface after spending 270 days alone in a cave 300ft underground.

Cristina Lanzoni wept as she emerged from nine months without human contact.

She volunteered to live in a four-room bubble-shaped grotto home, known as Underlab, in an experiment to study the impact of total isolation on space travellers.

Italian Cristina lost all track of time and thought she had been

EXCLUSIVE
by ALEC MARR
in Italy

below the surface for just three months.

She did not know it was April, or that she had missed her 29th birthday.

Her days extended to 55 hours and she slept for 20 hours at a time.

The former stable girl kept fit by cycling 1,000 miles on her exer-

cise bike and also taught herself to speak English.

The previous women's record was 111 days by Veronique Le Guen, from Paris, who killed herself a few months later.

But as Cristina came to the surface in Ancona, Italy, she said: "As soon as I'm finished with the medical examinations I'm off to the disco."

"This was a lonely experience, but I'm not going to let it affect the rest of my life." She added:

"When they told me the experiment was over I thought it was still the middle of October, so now I need to celebrate my birthday, Christmas and Easter all together."

Scientists monitored Cristina for 24 hours a day and will now analyse their information.

Unique

She had to carry out her own health checks.

A message on a computer in the cave told her the ordeal was over.

"My life will never be the same again," said Cristina, who is single.

"If I could find a word for crying and laughing at the same time, that would describe Underlab."



Time's up: Cristina Lanzoni at the end of her nine month stay underground

DR JACKSON'S CAVE

DCA has had reports that the new owners at Torr Top Farm are refusing access pending enquiries into their legal position. The matter is being looked into by DCA and it is hoped this problem will only be temporary.

OXLOW CAVERNS

Mr Rowlands of Oxlow House farm did not, in the event, sell the farm in August but is still in residence so please remember to call on him for permission for access to Oxlow, Nettle, etc.

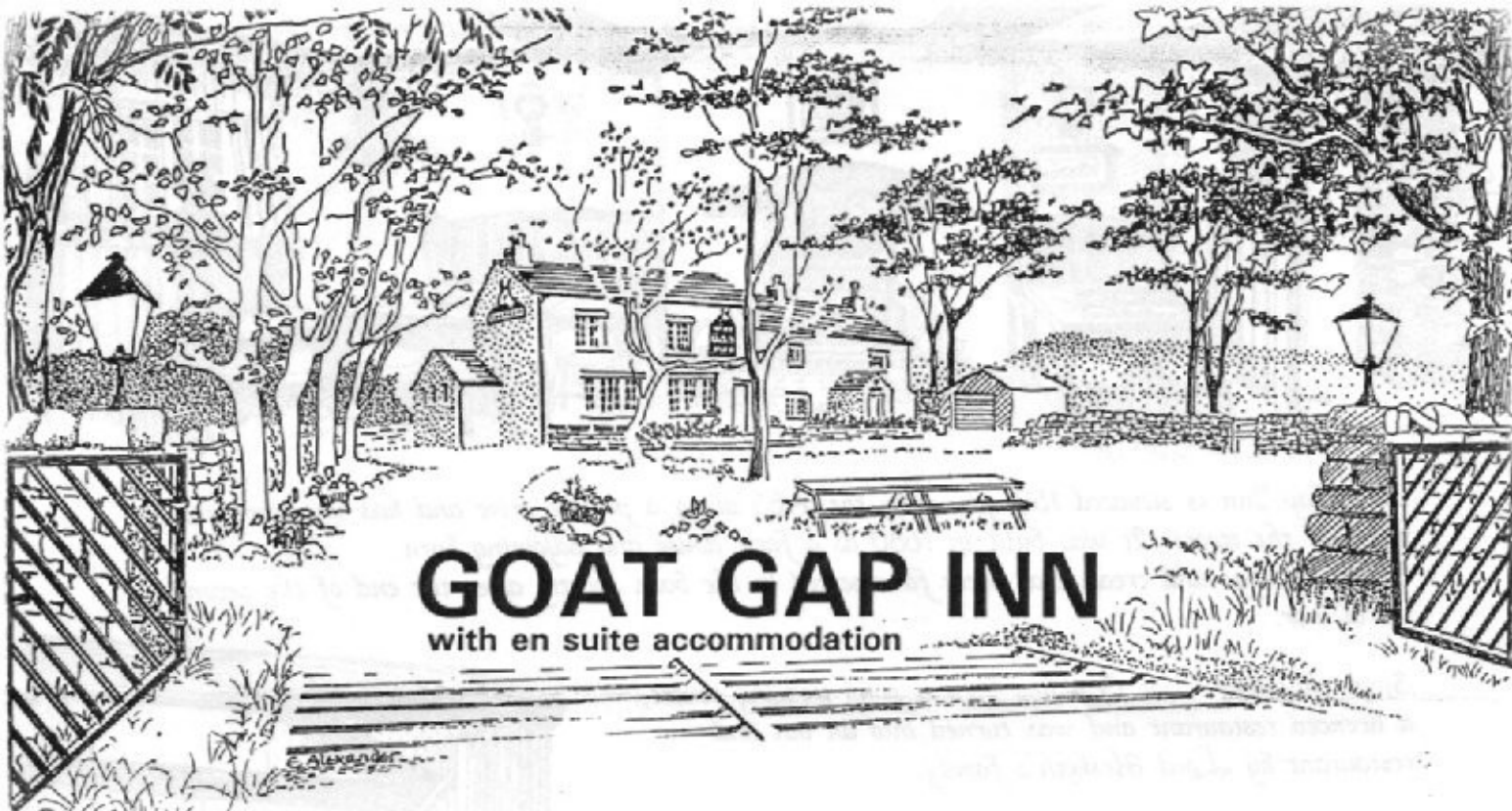
HOLLANDTINE MINE

There is still no access to this mine but DCA is checking again to see if it might be possible to restore access in the future.

SRT. (subterranean Raw Terror) by Hairball ©



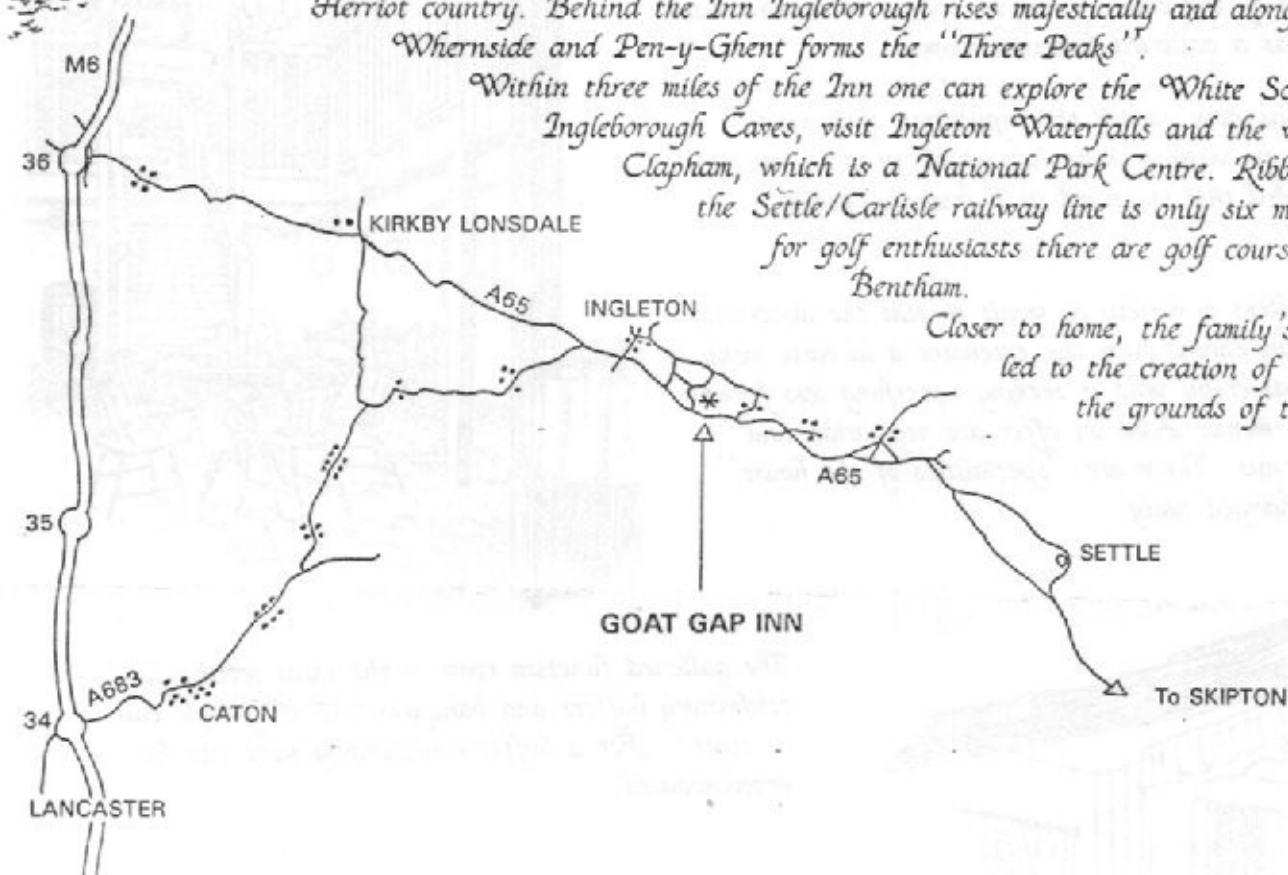
26.1.95



Goat Gap Inn is an ideal centre from which to tour the Lake District and the dales of Herriot country. Behind the Inn Ingleborough rises majestically and along with Whernside and Pen-y-Ghent forms the "Three Peaks".

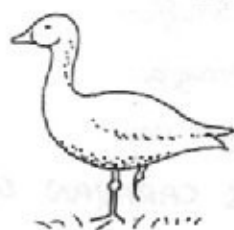
Within three miles of the Inn one can explore the White Scar and Ingleborough Caves, visit Ingleton Waterfalls and the village of Clapham, which is a National Park Centre. Ribbleshead viaduct on the Settle/Carlisle railway line is only six miles away, and for golf enthusiasts there are golf courses at Settle and Bentham.

Closer to home, the family's love of animals led to the creation of a pets corner in the grounds of the Inn.



Goat Gap Inn, Clapham, Via Lancaster, LA2 8JB.
Tel. 05242 41230

Under the personal supervision of the owners
Malcolm and Gillian Willis and family.





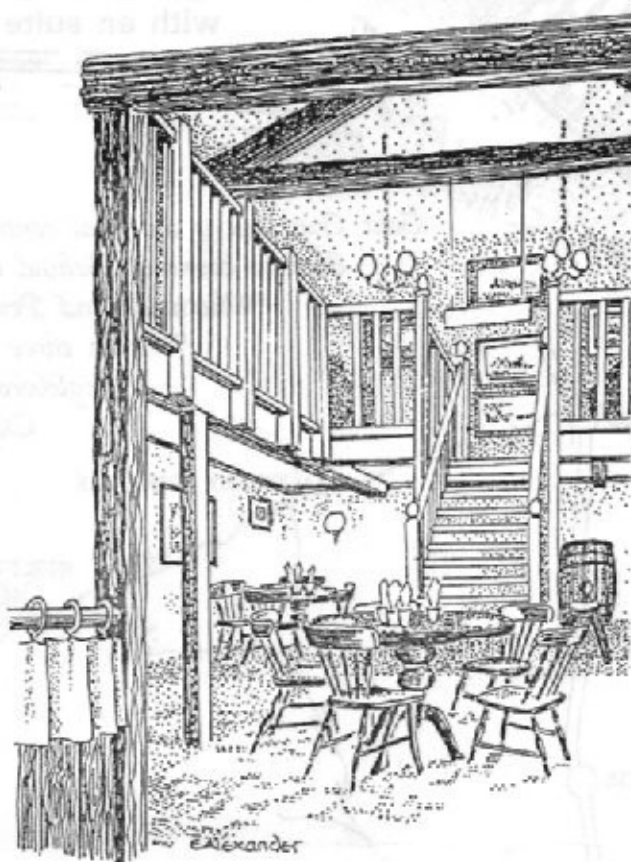
Goat Gap Inn is situated 150 yds. from the A65 along a private drive and has uninterrupted views of the moors. It was built in 1650 as a farm house and adjoining barn. Ham and eggs and cream teas were first served in the barn shortly after the end of the second world war.

Since that time Goat Gap has been a pony trekking centre, a licenced restaurant and was turned into an inn and restaurant by Lord Hesketh's family.

Most recently the present owners have completed a total refurbishment of the entire building, taking in another barn at the rear as a galleried function room.

Goat Gap has now earned the reputation of serving excellent cuisine with a wine list which is second to none in quality. All this is served in a friendly, family atmosphere.

Goat Gap offers a variety of meals to suit the discerning diner who can choose from the extensive à la carte menu or the casual passer-by who is seeking something less formal from the bar menu. Also on offer are vegetarian and children's menus. There are "specialities of the house" which are changed daily.



The galleried function room is the ideal setting for celebratory buffets and banquets and 80 people can be seated. For a buffet considerably more can be accommodated.

There are five en suite bedrooms, all with colour T.V. and tea and coffee facilities. All rooms are centrally heated. Some rooms have four poster beds.

Double room bed & breakfast

Single room bed & breakfast

Special rates for longer stays

PLUS FIRST CLASS CAMPING & CARAVAN SITE FACILITIES