MS Diany a Care Alta Val. II April - Dec. 1963

12- W. 63

Island Plantation Swallet.

5768 5125. Owner - D. Thompson, Green Acres, Green Ove.

A case dig by Jin Emeron and the Archaidge Coming Group - Swallet and shaft dig to 20 fact - no showing but nothing toiped over the shaft. Small stream owns she length of the plantation and sinks in the smallet. Dry in the late 1950's.

12.4.63

Thompson Swallet.

5742 5124 Owner - 7. Thompson, Green Gerer, Green Ove.

In smallest oppose 20ft deep, Dog by a local former in 1958/a to a depth of 6ft. This has now been filled in but wooden triped is still in place. From the aitmation of the smallest intermittent drainage is likely.

30 - 14 - 63

Compton Hill Spring.

5444 5675.

water issues into road from overflow of brich storage tank and can be traced back to the foot of a bank of each from which it issues.

Location. On Compton Haten Well if mile from top.

Overflow from the tank owns into drain girl at ride of

30.4.63. Cilleto Boow Dia.

5424 5511 Mr. Bennett, Lord Bottom Farm.

In shellow, and depression on appoints into of road to LL querry. Probabily queried as mined. They to a depth of 6-8ft by MARC in 1959/60 after Geolect survey by L.S. Palmer.

Larab Battom Dig.

3450 5495. In collapsed gully in L. Battom on RHS going towards Evaugh. Natice in small hale BCSCC care Dig. In conglamerate - day to a depth of 3 ft. Alfre & Iill James it to be a care/why in Feb 1961 - collapse since them. The Rift (Lomb Battom).

20 ft deep and 40 ft long upon at worface but caneed with brombles.

Hyurels Hale.

5451 5495. Hywel Mornell recently taled me that Hywels Hole had been refound. It was easily located and was covered with a large tene slab.

hocated 10th August 1934 by Hywel Hursell. 20ft shaft with waterworn rules. 4.7.35 entrance conesed after trouble with local farmer and core location last. Re-located in April 1963.

30. 4. 63. Garrow pipe Spring.

5483 5487. 3.0.0.?

Small spring rises from borbles mass at Jost of bluff near the trough in L. Datton. supply trough.

In conglowerate. But inspection cover leads into small passage between boulers. Both mentions it.

1947. Bold- Mendip - Its Swallet Cover ite

PP \$2,44,49,140.

Upper Garrow Core.

5484 5486. In conglamerate 40 ft above and to the right of the above. Opening is a rift 5ft high and 18" with covered with stones and wire mesh, at foot of highest bliff above valley floot. Tight rift passage approx 20ft long.

Lower Gamow Care.

5484 5486. In conglomente 10 ft below above. Small opening covered with wire much at foot of first belief. Tight parage about 15 ft long. 2 d Hay

4.

Fairmon's Folly,

5507 5246. Earl Waldeyrone, Chewton Mendip.

In longe, round, shallows depression, covered by a metal one. Was taking a small stream from de SE.

Hunk 1956. Excavated 30ft shaft to natural reft which we not entered - has since callapsed.

Billio. BEC Coo Rep (6) 25 (Oct 1961) Some Smaller Comer I.

WSG how Coo 2, 4 (Inly 1956) boily vel.

Upper Fairman.

5506 5278, Earl Waldegrove.

A longe depression day by Miss D. Fairmon & A. Rich in James 1956 about and in grows of above. Stream sinh into small builders at batton and in centre of wallet - water from E rich. Lower Fairmon.

5507 5276. Earl Waldegrave.

Recent shahehole with draught of air vising from it.

45ft deep. affrex 100ft across. rides at approx 45°.

On NW side is an exposure of isenstone / dolonitic conglomente

Swallets in field NW of Fairmons. o Hn 98 Belt of Trees O Ugas Faisman O Fairmens Fally wall O Loves Fairman Road -> Red Quor Brief note. to be looked at for MCR at a late date: -A. Dry wooded wallet. (large) B. Analla large day. c. Dordle, pand a bank of earth. D. Upper day.

E Les damp.

6.

2nd May

Hywels Dig No 98. (MCR 4098)

5466 5268. Earl Waldegrove.

for location see whetch overlead. Now filled in.

Duy by Hymel Morrell in the 1930's. There are reparal likely place where this dieg could be but thursell her marked the map and although there is no site accountly to the much the necessition this above NGR. Small depression filled with large boulders:

12th May

Impenetoable Fissure (hamb Bottom)

5463 5489.

in Land Battom gaing towards the trough.

Fissare & ft long can be neen under projection of limestone bedding blocks.

Disured head Gouffs (Garrow)

There are neveral of these graff at the top of the big graffy where (to the NE) of how been and also in the field to the N. There very in size but the most striking is about 40 ft long. 8ft wide and 12-20 ft deep.

Many riles of stones warred the gruff - small amounts of lead, zinc - some Bristal Diamonds.

12th Hay Sink above Gorow Cover

In the gonffy field above the trough in L. Bottom, opposite Smitham Hill. Water is callected in a very shallow morning departien and the rinkage from this is on the Right into a small departies under a bush.

This site has been visited by Koya unpely reveal times and has been taking water on each occasion.

hamb heat.

19th Hay

Party from Wellsway School, Saltford (Neynsham).

This was the last day of a week of autoloop school which consisted of geology & geography, shyried and economic. The cutoe for this is at the ald school house, Cherlishame, which has been done up quite resembly for the idea promoted by the Somereck Gamey Council & Education consisted. The trip down hand here was much appreciated and enjoyed being the first time for ment of the people who attended. To tap of about - Eart Porsage & back to

27th Hay St. Vincents Care.

A brick wall winds into the diff face just below the Observatory. This was bailed off when the Johns were very tided up some years back.

Ref. The Downs. 1961. (as nes P.F. Bird).

8th May

Hickel Siffer. Lecture.

Liters, are desaid of trees. Comp set up at edge of very onesist glocies too melos below surface - lung tent, bed, table, chairs - 4 valt britteny lighting second plane ot, books. 3 months supply foods water. Descent without a watch, telephone list watering, after such, before going to bed. Surface team always on duly now that time as given any indication of it. It and of stay to thought that he had just started his 2 and month.

Unpleasant. not enough time to week, no cheese (of which he is very find), full of and at earlies of glories. Conclausation very lad; freezing feet all the time.

Psycological. Loss of memory. e.g. could play the same record revent times (10 recordal) without realizing it. A. 3 min 78 KPT second to last - long is a LP 33 KPM and vice versa. Fall of soch very upsetting - effect on the eyes carried a videways reaction and remaind to be out of frems.

Effect of the memory still arisets now with names etc.

Work Carried But. full exploration of the glacies - movement etc. - Juido of pollen a space of fungi - sample recent be very odd - mare remples will give greater proof. This may be a very old even family forcies. How with on ice resultant from decomprising days in glacies.

NB Siffer rationed his Jood as he was not were if the morths would be larger at shales. Low of weight only 2 hilos.

See. EDCG Carry pp 9-11 (Spring 1963).

Brit Car 38, 97-161 (Autumna 1963).

HM 115. MCR HITS.

5734 5290. Trespones will be prosecuted.

Blacked at surface by tree routs.

Visited by T. aldham in April 1963.

is 2 yes from track on w. side.

Shofts 4115 - 4120 all in Buddles wood.

MCR 4116.

4436 5295.

hoested by T. Oldhom in April 1963. Visited by EDC61
MKC. 160 yds up five break - shaft 10 yds from track on w
ride. 35ft shaft leads to tight natural out 60ft long
minning appear NE-SW. hoose bouldes men in Jlord now be
evidence that shaft was once deepes.

MCR 4114.

4738 5289

Visited Hyrel Humsell 27.1.36. 77 ft deep +.
Visited SMCC 17.9.55 Blocked at 50 ft.
When visited by me it was blacked at surface.

Bollio. MS Diany HM 3, 44.

SMCC Hut Lay (1), 24.

2 nd June

HER WII8.

5736 5291. Visited by Horrell 27.7.1936 9 Ellis 9
Thompson 24.2.63. Soft deep shaft mainly natural with conities filled will deads. 30ft below surface natural passage running appose SW and slaping upweed at 30° for appose 28ft.

MCR 4119.

5440 5296.

Approx 160 yes up five break, 25 yes from touch on E side. EDCG/MNRC descended to 50 ft but way on is straight down through very loose boulds men in gloss.

Murrell 27.7.36 gives it or 65ft deep although not bottomed.

MCR 4120.

5733 5292.

Located by Hynel Murrell 27.7.36 Covered by immorable state.

MS Ding HM 3,52.

MCR 4121.

5429 5292.

Shoft is on while of five break 50 yes from truck.

140 ft shoft leads to natural right 50ft lang - many benes in the floor probably recent origin. Small nest of care peads in off shoot at for end of right 12ft above floor level.

2) Old Tried Shaft at Bendalls grove NGR.

If you was to be (4114) but or it was completely fitted to super a no record exist of it being open the site was not record for MCR. have delvis file around top of shaft

1) Recent collapse at Bondall greve NGR.

This is a recent collapse at the battom of a small mined depression. In tone beds will a dip of approxe 75° and a which willing plane. Recent. NB. look again.

c). Old Trial Shaft NGR.

y open work be (4113) but wor felled in and an opplicable or a) where. Marked on 6" O.S. map.

d). 4122. 4734 5306. M.E. Speed, Grave Form. Chewton.

Kurch 1938. 40'deep. platis RPS 1938. When visited above take falled &

4123. 4440 5310 As above.

Hursell 1936 ansaplored. When visited above date filled & inface.

e). 4124.

5669 5284. Tenent. N. Bishop, Eacher Hill Farm.

Jound by Murrell 1936. Reputed to upply water to Echer Hill Form. On above date found to be covered by two large labor. Soul N. Bishop and acquired parsimien to open top of shaft and applies.

See Page 14.

12th June

MCR 4077.

5249 5430. Owner. T. A. Tonant. Hoydon Grange Form
Once a large wallet centaining mine werhing watchly with
a main shope or adit (shope is more likely. Now filled to
the surface.

MCR 4068.

5231 5470. Owner Uni Bristol. Tomet. Parpott, Ubley women Form.

Jes full notes nee Mendip Come Registes Sheet.

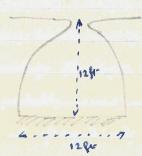
At above date shaft filled to mojore.

Lower wignere Swallet.

Papersien 20ft deep and 40ft wide with very glat morely battom. Corregulad disum in centre of wallet many have some connection with an versee-aded case dig of many year ago.

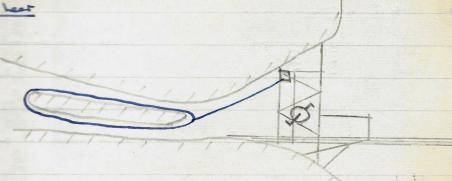
Open Callapse (vignore).

5583 5244. As above.



Recont collapse (1961)
In conglowers. Bell-shaped
12ft deed a 12 ft inde at lone.
3ft wiede at surface.

June hamb heat



In above diggreen the blue pen

lines represent the alch runway cable around the Patre (aroganité) flores and to a large block (section 9"x 9") at top of the winch scaffold.

The object of Phil, Raya Self can to remove there called as day looked very dangerous as dray bad fraged body and could cause a last a damage is rememe caught dam. Oddly enough the joint runners could be loosened by bond often nearly 30 years in the damp at maphane. The bull boy clips at were removed levily with a spormer. Two of the four earlier was taken out.

med Jone

this west wer to Cuthbarts. Hits Thompson a Colly Hogel gave me a hand and the alter two notted caller were halled to the mejorce.

May a 4 then visited the ite apposite Smitham Hill (See page 7).

14th July MCR 4124

ROOF SH

Shaft descended by Phil, Ray D, Ray which a John Read, 90ft to boulder tream flow. No continuation Slabs replaced on top ofter descent.

See Paye 11.

21th July Balch Cove.

Some photos taken in galley leading to small downward patch.

Usest ones to botterlip for a dip afterward.

MARC Jul val. 1. No. 2.

Bound up all the journal 110 for rate.

Contents. Box Mines, wills. Mendip Can Registry.

Rish of Asphysication due to Corlaide Larges,

Care Formation on Mending.

17th Aug. Dallimores Care.

went up to Hill greene as nearthest woman journals got over 4 rep. Fred a 1306 were digging at the end of Pallimeres.

Elber Gorge In ofter noon looked at a few of the shelter in Elber Garge, ofter there was an obseiling practice above the Narrows.



Caving expert Jim Lovelock (right) gives advice as actor Robin Hawden tries a rock climb in Wookey Hole cave before the filming.

-dangers real enough for TV film cast under the Mendips

The Mendip caves were once more a setting for drama and peril vesterday.

In the depths of Wookey Hole B.B.C, cameramen took shots for a future programme in the B.B.C. "Suspense" series

Although the story was fictitious the danger was real enough. as the actors looked at a high, narrow crag up which they had to climb. Bristol-born producer Bill Duncalf, said: "They've never done this in their life before. Anything can happen." Four of them, at least, have to make it look good because in the story they are experienced potholers.

Three others play Teddy boys who follow the other party into the pothole because they think two girls in the party are worth more attention.

ROCK FALL

The Teddy boys take a vicious type of arework down with them and when they let it off the explosion causes a serious rock fall. This cuts off the other party. To add to their troubles gas from unused cylinders left over from the last war fills the air of their tomb.

The answer to this gripping situation will be on television screens one Monday during the next three months

Among the technical advisers for the filming was veteran caver Jim Lovelock, who last August was with the team of 40 speleologists in the 4,000ft.deep Gouffre Berger, near Grenoble, France.

Playing the part of the official rescue team in the play were members of the Mendip Rescue Association, headed by Mr. Luke Devenish of Wells, who took part in last Sunday's rescue of two Bristol students



Wearing a boiler suit and pit helmet television actress Sandra Caron is made up by Anne Donelly, for the filming in Wookey Hole Cave. The episode has been tentatively titled Evening 7524 Havel 2114

Three crawl to safety after five days in flooded cave

FIVE young potholers cut off in cave today by swelling of a torrent which runs past cave's entrance, says message from Vallon Pont d'Arc, South France.

3rd June.

Three young French potholers dragged themselves to safety today after being trapped for five days in a flooded

Weary, bearded and halfblinded by the sunlight, they fell into the arms of waiting rescuers and told of two comdead.

South of France, last Sunday recovered. morning, and were trapped by a torrent which swirled through

the cavern after 60 hours of near-monsoon rain.

The three survivors are Emile Cheilletz (24), Alain Besacier (24), and Jacques Delacourt (18). panions they feared must be Bernard Rassy (27), was swept away in the darkness, and contact They went down the Goulde was lost with Jean Dupont (21). de la Fonsoubie pothole in the One unidentified body has been

E. Post.

TRAPPED MEN EAT A

BELT TO STAY ALIVE

BELT TO STAY ALIVE

THREE starving alive after their two potholers crawled to safety yesterday after being trapped underground for five days.

leather

companions died.

The five men started exploring caves near Lyons, Central France, on Sunday.

When they were 315ft. down, floodwater turned a stream into a raging

round for five days.

They had eaten a eather belt to stay

They had eaten a belt to stay

D'Arc, his torn and blistered hands in band-

by MARY MALONE

ages, Emile Cheilletz, 24, said:

When the waters rose we realised the danger and began to fight our way back to the cave entrance.

Three hours later we lost the first man, Bernard Rassy. He was tired and lagging behind. We got a rope to him, but he let go and was swept away.

Nothing

A few moments later Jean Dupont fell down a water-

"We saw him whirling in the current. We followed his path by the light of his luminous helmet. There was nothing we could do got to us. for him.

For the next three days

we clambered through the darkness towards the cave entrance, sleeping where we could on narrow ledges. Once I slipped and fell 40ft. bouncing from rock to rock. But I climbed back.

Weak

Cold and weak from hunger, we passed my leather belt around and nibbled at it. It was all the food we had. Without it we would have died.

By Wednesday we had

crawled about 150ft. from the entrance. Then our path was blocked by a waterfall.

Yesterday food canisters came floating by and we knew that help was coming.

This morning the waterfall was only a trickle and rescuers

Earlier in the day, rescuers were warned by doctors that the trapped men had only hours to live without food.

Firemen worked all day pumping water out of the cave. Dams built by the Army diverted more of it.

Frogmen later recovered the body of one of the missing men.



Starving—but safe. Alain Besacier, 24, is helped out of the cave. Rescued with him were Emile Cheilletz, 24, and Jacques Delacour, 18.

The world of beauty that few ever see

cave systems which honeycomb the Mendip Hills hold a fascination for many. Here B. J. Iles, of Bristol, gives an introduction to some of the better-known caverns and pot-holes and explains the precautions taken by those who explore them.

When the Mendip Hills are mentioned the average person thinks immediately of Wells, Cheddar and Wookey.

When travelling through this particular part of Somerset he gives little thought to the fact that several hundred feet below his feet there may be people engaged in explor-ing the large network of water-hewn tunnels which go to make up some of the most beautiful natural caverns in Britain.

The show caves of Cheddar and Wookey Hole are world famous for their fine drip-stone forma-tions, but these works of nature are surpassed in sheer beauty and intricacy by the caves which are inaccessible to the run-of-themill tripper.

STREAMS

The great swallets of Priddy, Charterhouse and Eastern Mendips engulf the greater part of the water which is deposited on the higher slopes and most of them have a stream rushing through them all the year round even in the driest part of

The majority are profusely decorated due to this abundance of water, but because of the tenacity with which nature clings to that which she has fashioned they will never be a commercial proposition.

Narrow, tortuous, mud encrusted passages, vertical pitches often with the underground stream cascading down them and the inevitable sumps which cannot be passed without the caver becoming totally immersed will only ever be visited by those willing to undergo physical hardship in carrying out their exploration.

It is impossible to single out one particular cave as the finest because each is unique and is notable for its own special characteristics.

G.B. Cavern at Charterhouse for example, has a huge main chamber over one hundred feet in height with stalactites up to



15 feet or more in length hang-

imz from the roof. When entering this vast hall the visitor is awe struck and it has been noted by many cavers that his voice usually drops as it would when entering a church.

LONGEST CAVES

Priddy can boast the two langest caves on Mendip; Swildon's Hole and St. Cuthbert's Swallet. Both have in the region of two miles of passages and both are over four hundred feet

Swildon's is probably the most exacting of all with a series of crawls, ducks and sumps at its negotiated by cave divers using specialised aparatus. For a full exploration of this system a large support team is necessary for enipment needed by the divers and for setting up relay stations throughout the cave.

An operation of this type would take 20 hours or more and would require each member of the team to be at the peak of physical fitness.

St. Cuthbert's Swallet is one of the best decorated caves on Mendip and is without doubt the most complex. It practically defes description. The Bristol Exploration Club, who control access to the cave for the landowners, have been carrying out a systematic survey of the cave since its discovery in 1953 and have not yet completed half of it which is an indication of the problem confronting them.

Because of the fine formations, including cave pearls, and the complexity of the system the B.E.C. have adopted a leader system whereby only those members who know the cave well and fully appreciate its beauty can lead a party. No one is allowed in the cave without a recognised leader.

'SEWER'

Travelling across to the eastern half of Mendip the major cave in the area is Stoke Lane Slocker, or in caving circles the "Sewer." The stream in this cave is highly contaminated and any cuts or abrasions sustained however small should be treated as soon as possible with antispectic.

Before any formations of note are apparent it is necessary to pass a sump the scum encrusted surface of which is "off-putting" to say the least, But as in most cases, the physical discomfort is made up for on the other side. chambers, in one of which remains of a hearth have been discovered suggesting a possible link with the outside at this point.

It is apparent that before any major swallet is tackled the beginner must have a certain amount of practice. Burrington Combe is ideal for this purpose. Here there are a number of small and medium sized caves within a small area requiring little or no special equipment other than the bare essentials: a change of clothes, a pair of stout boots, a helmet and an efficient light—usually an acetylene lamp fitted to the helmet.

THE FIRST

The first cave tackled by the beginner is usually Goatchurch Cavern which has a bit of everything, the outstanding feature of which is the celebrated "Drain-Pipe" at the end. This is a roughly circular tunnel 40 feet is made up for on the other side. The whole character of the cave changes from small wet passages by crawling and wriggling at into a series of well decorated full length a forward motion



Diving in Wookey Hole.

being imparted by means of elbows and toes.

The feeling of relief expressed by the beginner after navigating this hazard successfully soon gives way to one of frustration when he learns that there is no other way out and he must pass through the pipe again. It must be stated that the remarks passed at this juncture are quite diverting to the leader who has retired to a safe distance until the storm blows over.

Unfortunately due to the hordes of cavers descending on Burrington Combe each weekend these caves have suffered a great deal. Nearly all the formations have been smashed and all bare patches of rock have been covered with inscriptions. Goatchurch and Rod's Pot have undergone the worst treatment, the destruction of two very fine stalagmite "curtains" below the main chamber of Rod's Pot being the greatest crime.

Perhaps it is fortunate that the vandals responsible for this sort of thing are nearly always "one-time" cavers and never reach the large swallets. Although even here their handiwork is evident as in the case of G.B. before it came under the control of Bristol University. A large number of helicities—erratic formations resembling grotesque plant forms — were removed as souvenirs.

SUFFERED

Longwood Swallet at Charterhouse in its lower August Hole series has also suffered with the destruction of many of its transparent straws. This perhaps is due primarily to another cause—fatigue. Anyone attempting this lower series becomes very wet in a short space of time because it is practically impossible to avoid crawling in the stream or to avoid being drenched by cascades of water showering from above.

On the return journey most parties are tired and intent only on regaining the surface, hence most of these "straws" which overhang the main passages are accidentally broken off by the caver who hardly notices that they are there.

In all, there are over 150 known caves and rock shelters on Mendip, some being extremely small but mone-theless important, because archae-

this hazard successfully soon ologists have unearthed evidence gives way to one of frustration when he learns that there is no other way out and he must pass animals.

Besides archaeology there are a variety of interests prevalent among cavers, e.g. photography, survey work, diving, geology and hydrology in the study of cavern formation, the study of cave fauna and flora, besides many others.

Whatever the reason, the world of darkness and tumbling waters has a fascination all its own and that fascination is strong enough to lure a person back to the caves again and again.



Caveman in record bid Bearded potholer Geoff Workman (left) steps into the mouth of a cavern yesterday. If all goes well, it will be 100 days before he sees daylight again. That is the target Geoff has set himself to beat the world underground endurance record. The record—sixty-two days—is held by Frenchman Marcel Siffre. Thirty-four-year-old Geoff, of Peak Forest Derbyshire, is making his record attempt 150ft, below ground at Stump Cross Cavern, near Pateley Bridge Yorks.

14/3/1963 W-D-Prem

Girl dies 40 feet down in Mendips

Western Daily Press Reporters

Seventeen - year - old Heather Muirhead died yesterday after going 250 feet down in a Mendip pot-hole.

She was on her way out of the cave when she collapsed at the bottom of a 40-foot vertical rock face.

This face is only a few yards from the entrance of the cave, Longwood Swallet, near Charterhouse.

Miss Muirhead, who was with students of Bristol College of Technology, was hauled to the top in a sheet.

But she was already dead.

Another member of the college caving society, 18-year-old Robin Gay, of Harmer Close, Henbury, Bristol, was taken to Westonsuper-Mare hospital, suffering from exposure and shock.

D. Him 18 3 63

But he was not detained. He and Miss Muirhead, who lived in Cranleigh Gardens, Stoke Bishop, Bristol, were among a party of 10 who went down the cave shortly after lunch.

The party split up into two

groups. One group went to the bottom of the 350-ft. cave. The other section, including Miss Muirhead and Mr. Gay, went down to 250-ft.

This group spent some time sitting in the cave in near zero temperatures waiting for their colleagues to return before they went down to the bottom.

When the first party came back the two groups decided to reform and return to the cave entrance together.

Stream

Miss Muirhead and Mr. Gay brought up the rear of the line and it was only when their friends reached the top that they

realised something was wrong.
They alerted the Mendip rescue team at Wells and diverted a stream which was overflowing into the cave entrance and cascading down the vertical rock face after the heavy rain.

"The water was pouring down near the place where Miss Muir-head and her friend were lying," said Mr. Luke Devonish, a Mendip rescue team warden.

"If it had not been diverted it could have meant death for Mr. Gay, as icy water and exhaustion can easily have fatal effects.

He said Mr. Gay tried to struggle to the top but he had to be helped up with ropes.

"He was just about all in," said Mr. Devonish. "Sitting down in those caves can be highly fatiguing."

Then a caver went down the rock face and wrapped Miss Muirhead in a sheet.

Rescuer finds girl dead in

GIRL student trapped in a pothole with a youth died last night as a doctor crawled to their rescue.

She was Heather Muirhead, 18, a twin, of Cranleigh-gardens, Stoke Bishop, Bristol.

The youth, student Robin Gay, 18, was brought out safely. He was taken to hospital

with shock and exhaustion.

Heather and Robin, from Bristol Technical College, were exploring under-ground caves known as Longwood Swallet, at Charterhouse, Somerset.

Rain

While they were in the caves heavy rain began.
Soon flood waters were
rising inside.
The Mendip Cave rescue
organisation was called

out. Firemen fought the flood waters with pumps.

Then rescuers including Dr. Stanley Cannicott, of Wells, went in to search for the missing two.

Robin, of Harmer-close, Henbury, Bristol, was found first.

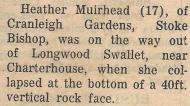
When Heather was found she was dead.

Last night a police officer said: "We understand she was not injured but was overcome by exhaustion and probably shock."

Bristol girl student dies in Mendip cave

A girl died yesterday during a Mendip caving expedition by ten students of Bristol

College of Technology.



Four hours later her body was brought to the top in a sheet. Heather was one of four daughters of an executive of Charles Hill and Son, the Bristol shipowners.

One of the rescue party, Mr. Luke Devenish, said: "Her death is a mystery, for she was within 40ft. of safety.



Heather Muirhead

VERTICAL ROCK

"She had to climb a vertical rock. Water was pouring down, and it seems likely that the climb was too much for her."
Mr. Robin Gay (18), another member of the caving party, who lives at 5, Harmer Close, Henbury, Bristol, suffered from shock

It was after lunch when the party split into two groups.
One group went to the bottom
of the 350ft. cave. The
other group, including Miss
Muirhead and Mr. Gay, went
down to 250ft.

The second group spent some time in the dank cave in near zero temperature waiting for their colleagues to return before they went down to the bottom.

REAR OF PARTY

But when the first section came back the two groups decided to re-form and return to the cave entrance together.

Miss Muirhead and Mr. Gay brought up the rear of the party, and it was only when their friends reached the top that they realised something was amiss.

The Mendip Rescue Organisation was alerted, and a party from Wells, including Mr. Devenish, was soon in the cave. Said Mr. Devenish: "The water

was pouring down near the place where Miss Muirhead and Mr. Gay were lying.

" If the others had not diverted a stream which was overflowing into the cave entrance, it could easily have meant death for Mr. Gay as icy water and exhaustion often have fatal effects."

Until last July Miss Muirhead was a day girl at St. Ursula's High School, Brecon Road, Westbury-on-Trym

ACTIVITIES

Sister Cecilia, headmistress of St Ursula's High School, Brecon Road, Westbury-on-Trym, where Heather was a pupil for seven years, said today: "She was never a robust child but despite that, was very keen on all out-door activities."

"When she was much younger, she spent quite a while in hospital, but with us she plunged into all kinds of sports including hockey, tennis and boating.'

Heather's twin, Elspeth, and another sister, Julie (11), are also at St. Ursula's.

The eldest sister, Karen (20), is at the West of England College of Art, Queen's Road, Clifton.

29/3/1963 Evening Port? (18 27 lub 1969?)

Girl (17) died of shock, exhaustion FATAL CAVE CLIMB

WAS HER FIRST

Seventeen - year - old Heather Muirhead, who died in a Mendip cave on Sunday, was making her first expedition underground, the North Somerset Coroner was told yesterday.

Heather, of 2 Cranleigh Gardens, Stoke Bishop, Bristol, who collapsed in Longwood Swallet near Charterhouse, died from acute heart failure, due to shock and exhaustion, Dr. D. H. Johnson, pathologist told the North Somerset Coroner at Weston - super - Mare, yesterday.

Heather's father, Mr. Alistair Gordon Muirhead, told the Coroner. that Heather had joined the Bristol College of Technology caving group, with his permission, "only about a week ago."

Last Sunday was her first caving expedition underground.

"On Saturday she told me she was joining the group at Longwood Swallet with her boy friend. He is an experienced caver," he said.

Dr. Johnson told the coroner that he had found no evidence of contributory disease.

The inquest was adjourned until March 29.

Half an alp downwards for a record

THREE young women at camp in the heart of the French Alps near here spend their days idling in the sunshine and listening to the cowbells.

An idyllic holiday—except that their thoughts a for ever wandering 3,681ft. below ground where their men folk are playing with unknown dangers in trying to beat the world's potholing record.

For a week, 14 Englishmen, the pick of the country's potholers, have been crawling deeper and deeper through the dark iey underworld. Their goal is a hazard which so far has set the limit to the record.

It is a sump of inky water filling a cavern from floor to roof and blocking the way for them into the bowels of the mountain.

His oath

to return

Four of the English party, equipped with home-made diving suits, hope to get through this sump and reach water-free tunnels on the other side.

Leading the English attack is Kenneth Pearce, a 31-year-old metallurgist from Manchester. He came to the Berger Cave last year and got as far as the water barrier

There he had to retreat but he threw a half-crown into the stream and swore to come back to recover it. That is what he is doing.

He will lead the way into the unknown.

Pearce and his companions carry with them 60 kitbags of food and equipment. The bags, weighing 40 to 80 lbs. each have to be moved from one base camp to the next as the party presses on to the sump.

Sometimes the work of pushing forward goes on 20 hours a day.

Mrs. Ann Pearce, mother of an 18-month-old son who has been left with Grannie, sits it out on the mountain-side. She has complete confidence in her husband's skill to tackle this "Everest-in-reverse."

Having a

smashing time

"We are having a smashing time up here," she told me. And her eyes wandered to the snowy peak of Mont Blanc 60 miles away.

With her is Diana Graham, whose boy friend Geoffrey Lee, a commercial artist from Flixton, Cheshire, is

Berger Expedition 1963.

5th Agust,



Diana Graham waits. Her boy friend is one of 14 English potholers battling with the unknown.

also down below. No potholer herself, Diana, an art teacher from Prestwich, near Manchester, told me:

"I have not seen Geoffrey since he waved goodbye before going down the hole. But one of the porters who helped them with supplies had a word with the party two days ago and they were all confident."

The man

who knows best

Mrs. Maria Booth, whose husband Noel is down below, is the third of the women who wait. She shares the others confidence.

But one man is anxious, and he is the man who knows most about the "Gouffre," as the pothole is called in French.

Jo Berger, who established the potholing record and gave the hole its name, is worried because of storms in the last two days. He told me:

"I was stopped from going further by that sump down there at the bottom. It is very dangerous and I think very deep.

"It is foolhardy to go on and try to get through it. The pressure down there can be tremendous.

Pioneer

has fears

"I am absolutely sure that these English potholers are risking their lives. There are so many dangers.

"There was a tremendous storm last night which means that sections of the pothole which serve as a natural drainage for the plateau turn into raging torrents and would drown anyone if suddenly caught up in them.

"I wish them luck but I am fearful."

But Mrs. Pearce is unshaken. The caverns, she says are immense down there and the boys will know when it is raining and will simply keep out of the way of the water.

So two wives and a girl friend sit in the sun on the Sornin Plateau 5,000 feet up in the Alps on holiday. Just waiting.



Leader of the expedition, Kenneth Pearce, His wife also waits on the mountainside.

D. Kune

Pothole record bid unsafe, From Aubrey Thomas, Grenoble, Monday PRANCE'S top pot-holer, Jo Berger, today said Savs expert

From AUBREY THOMAS, Grenoble, Monday FRANCE'S top pot-holer, Jo Berger, today said he feared for the safety of the British team trying to break the world underground descent record.

At the entrance to the Gouffre Berger, the world's deepest known cavern, near here, he said: "But they seem determined to go on. I wish them luck."

The Britons have been in the cavern seven days. Among them are three frogmen who are trying to find exits from the lake which marked the previous record depth of 3,681ft.

The French authorities are worried because the

fourteen British potholers have no telephone contact with the surface.

And yesterday a storm turned some of the underground shafts into impassable waterfalls.

The Britons, led by Ken Pearce, of Chapel-en-le-Frith, Derbyshire, had hoped to find a way through to the Sassenage Caves—a series of grottoes 4.820ff. below the entrance to the Berger Cave.

Gendarmes today gave the local police station telephone number to the wives who are camping near the eavern entrance.

Among the wives are Mrs. Ann Pearce and Mrs. Maria Booth, of Eccles. Lancs

The party also includes Diana Graham, of Prestwich, Manchester, fiancee of potholer Geoffrey Lee.

D. Expres 6/8/63

FRENCH FEAR THREAT TO CAVE BRITONS

Express Staff Reporter

GRENOBLE, Monday.

RESCUE teams are standing by at Grenoble tonight to search for the 20 British potholers in the Berger cave below the French Alps.

Nothing has been heard from the team since Saturday, five days after they descended in an attempt on the underground depth record.

SCOFF

Friends of the potholers who are at the base camp a mile from the cave entrance scoff at French fears that the expedition is in danger.

The team has reached a barrier lake at the record depth of 3,681ft., with the knowledge that there is an underwater passage leading on and down.

Recently a French team experimented with dye, which filtered from the lake to caves a mile away.

The five frogmen in 25-year-old Bob Wright's team will try to chart a route for the others. The team's friends at base camp said today: "They are very experienced. We are sure they are not in danger." yd Aug.

Woman in hunt for 14 'lost' potholers

From AUBREY THOMAS Grenoble, France, Tuesday.

28 · YEAR · OLD woman doctor last night went down into the world's deepest cavern to trace fourteen British potholers.

Dr Mary Lord and ner

husband, Dr. Harold Lord, band are friend of the of Sheffield, were searching potholers. the huge limestone gal-leries of the cavern, near Grenoble, in which the British team is trying to break the world underground descent record

They have been eight days-and there has been no word from them.

Dr. Lord and her hus-

Dr. Lord, her husband, and a friend, Mike Swain-son of Sheffield, climbed down the team's aluminium ladder which hangs on the wall of the cavern's first shaft.

Dr. Lord, who is a keen mountaineer and potholer, said: "There have been so many fears and speculations among French potholers that we want to find out the truth We are going. down.

"We will travel light. carrying only a day's food. This way we will be able to climb down quickly.

Vigil at

Word on the progress of 13 British potholers was awaited today at the mouth of the Berger Cave in the Alps.

The speleologists went down on July 28 in an effort to penetrate deeper than explorers have gone before.

Among the 13 are Mr. Steve Wynne-Roberts, of Lawn Road, Fishponds, Bristol, and Londoner Mr. Mike Boon. Both are members of the Shepton Mallet Cave Club.

The cave was discovered in 1953 by a Frenchman, Jo Berger. He explored it to a depth of 3,500 ft. where a syphon obstruction blocked the way.

Although French cave experts have begun to express concern about the Britons, no rescue efforts have been organised.

E. Pont

A three-member surface team which is awaiting the expected return of the potholers this week-end expressed no concern.

Berger himself set up a tent near the cave entrance and planned to go down in a day or so if no word reached the surface on the progress of the Britons.

Berger said that if the potholers attempted to pass through the syphon "the risks would be enormous," because of recent

The Britons went down with a great deal of equipment but did not set up a telephone line.

CAVERS MAY BE UP SOON

Thirteen British potholers, who began exploring the Berger cave in the Alps on July 28, were expected to return to the surface today or tomor-

Fishponds, Bristol, and Londoner Mr. Mike Boon, both members of Shepton Mallet Cave Club.

There was no fresh word on They include Mr. Steve their progress at the cave mouth covered the cave in 1953.

Wynne-Roberts, of Lawn Road, today, but no concern was expressed by a surface party left behind.

> The speleologists are attempting to go beyond the depth of 3,500 feet reached by a Frenchman, Jo Berger, when he dis-

Aug 8 ds.

Pothole men are safe

From DENNIS EISENBERG GRENOBLE, France, Thursday

THREE of the 13 British potholers, who have been in the Berger cave near here for the past 10 days, emerged from the cave entrance tonight.

They were 25-year-old Stephen Wynn-Roberts, from Bristol, 24year-old Geoffrey Lee and Robert

The three men said the other 10 members of the group would come up tomorrow.

They said the 10 were spending the night at a point about 150 yards from the exit because they were very tired.

All day long rescue workers had waited at the cavern entrance for news of the Britons who were trying to beat the world depth record for potholing.

Criticised

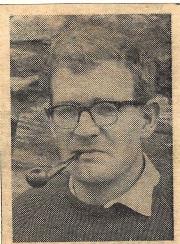
A police official told me: "We will give them until Saturday. Then we will throw a full rescue effort into operation."

And he criticised the British team for not taking walkie-talkie radio with them into the cavern.

Mrs. Ann Pearce, wife of the expedition leader, said: "I am sure everything's all right. My husband promised that he would come up on Friday and I am sure he will.

Aug 9de

9th Aug

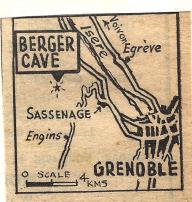


Mr. S. Wynne-Roberts

CAVERS CLAIM DEPTH RECORD

Two members of the British cave exploring expedition reached a new depth record in the Berger Cave, in the Alps, according to unofficial reports today.

Three members of the 13-man potholers group came to the surface last night after being down since July 28. They were reluc-



tant to talk with reporters until their 10 companions came up, perhaps later today.

However, fragmentary reports said two frogmen with the group, Ken Pearce (31), Manchester, and Steve Wynne-Roberts (25), of Bristol, last Monday went through a siphon blocking the cave and thus extended the depth record from 1,122 metres (3,681 feet) to 1,135 metres (3,723 feet), or 42 feet farther than the record.

D. Hunes

got Arry

POTHOLE BRITONS ARE SAFE

From AUBREY THOMAS

Grenoble, Thursday THE fourteen British potholers who tried to heat the world's underground descent record are safe.

Three of the party which entered the world's deepest cave near here ten days ago walked out tonight.

They said the eleven others were spending the night 150 yards from the exit because they were tired-but would surface tomorrow.

Record

The three would not say

The three would not say whether the record bid was successful or not. They are Stephen Wynn-Roberts, 25, of Bristol; 24-year-old Geoffrey Lee and Robert Toogood.

They showed up as French potholers got gear to-gether for a rescue attempt.

The Britons planned to beat the 3,681ft, descent by Frenchman Jo Berger.
The Britons angered
French experts because
they had no phone link
with the surface. E. Port

BRISTOL MAN TELLS OF 'JULES VERNE' CAVE

Members of the British expedidition which set up a new depth record in the Bergen Cave near Grenoble, France, were preparing to leave for home today.

The Bristol member of the team, Stephen Wynn-Roberts, a 25-year-old support diver, said the cave was one of the finest

he had ever seen.
"In parts it is really beautiful and grotesque, there are stalactites which look like poached eggs on top because of the various mineral deposits. In one part it is real Jules Verne."

The man who actually achieved the record depth, Ken Pearce, climbed out of the cave early today. His first request was "Any food?" He beat the previous regord of 3,681 feet by about 40ft.

10th Aug

10th Aven

THE HERO-3,500 ft FROGMAN Ken Pearce, 31, was the hero of the

fourteen-man British pethole team which has beaten the international descent record in France, it was revealed yesterday. For Ken, of Chapel-en-le-Frith, Derbyshire, paved the way for the victory by breaking through a narrow passage more than 3,500ft. underground. . . .

Beat

It was a passage which pothole expeditions have been trying to break through since 1956 when the previous descent record of 3,681ft. was set

The British team beat the

ten-day descent at the world's deepest cavern, the Gouffre Berger, near

Grenoble.
Three of them surfaced with the news on Thursday.

Yesterday they spoke of Ken's successful assault on the underground passage which led to the discovery of a lake. The record was broken by

diving into the lake.

Later yesterday the three men descended a gain into the Gouffre Berger to help the other eleven bring up the team's equipment.

Potholers up

GRENOBLE, Friday. — British potholers tonight staggered to the surface after a record-breaking descent into the world's deepest known cave, 20 miles west of Grenoble. They had been 11 days underground. — Express News Service.

Potholer says I'll return

From our Correspondent

Paris, August 10.—The 13 British potholers who set a new world underground depth record of 3,721 feet in the Berger Cave near Grenoble,

returned to the surface today.

The leader of the £1,000 expedition, Mr. Kenneth Pearce, 31-year-old lecturer in metallurgy at the Manchester College of Science and Technology, said he would return with a larger, better-equipped party to continue exploring the cave.

Aug E. Post



Mr. Wynne Roberts pictured at his "local," the Royal Table, Barton Hill, Bristol, today.

Bearded pot-holer home in Bristol

Pot-holer Stephen Wynne-Roberts walked into work in Bristol today with a two-week growth of beard gained on his record-breaking trip in the Berger Cave, near Grenoble.

His eyes were slightly shadowed through lack of sleep and his hands were scratched and cut—the scars of strenuous caving without any contact with the outside world that awaited anxiously for news.

But 25 - year old Mr. Wynne-Roberts, who is a works study officer with A.E.I., was not the least bit enthusiastic about the new 3,720-foot world caving record he and his party set up.

"We have done very little technically in the climbing sense," he sense," he said over a lunch time beer in the Royal Table, at Barton Hill.

"Mind you that one trip was worth many years of caving experience," he added.

DEEPER

Mr. Wynne-Roberts, of Edenhurst, Lawn Road, Fishponds, thought that a future party could go still further down. "I think there is a big chance of getting a lot further. They could possibly find more caverns with airspace above the water and I think there may even be more dry chambers.

The party leader Kenneth first time and Pearce, he said, had gone off the coach."

deeper than anyone else. "Below the sump he found another passage and then another sump."

As second diver Mr. Wynne-Roberts dived the first sump but had to return because of a blockage in his ears.

The trip down, he said, was strenuous and tough, travelling over boulders heavily laden with equipment.

One of the most magnificent sites was the cave known as "The Hall of 13" at Campe One.

BROKEN

Before the party went into the cave they were told that the inwere broken and they would have no outside contact.

Inside they worked 28-hour shifts, losing all idea of time and day. They slept in damp sleeping bags and had the heavy equipment and supplies al the way to the bottom.

"I would do it any day but it would have to be organised in a different way.

"We have learnt a lot and seen a lot but I feel we have missed a lot as well—just like arirving in a big city for the first time and not being allowed off the coach."

Potholers meet

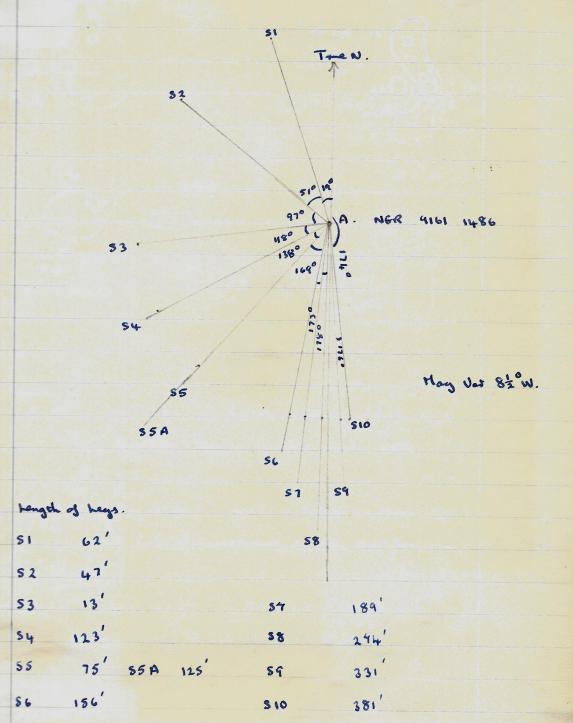
More than 150 potholers attended in Sheffield yesterday the first conference of the British Speleological Association since the war.

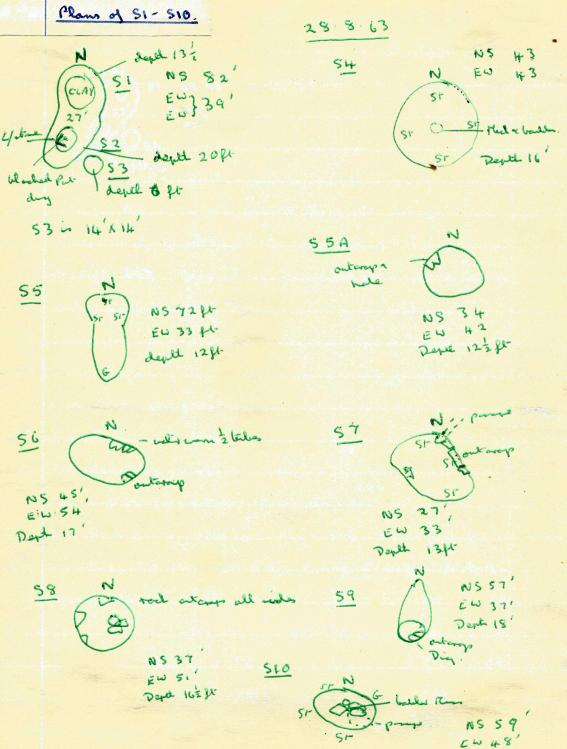
Annual Holiday.

South Wales.

Any	24th	Journey up.
	254	Sinho on de Hepste.
	26th	Mutter Pat & Scallets behind Jins ald Catlage.
	274	Ceres at Guynien - wallets alove top of and map.
	28t	Set point A. finding of Theretical Pot a cure on ridge.
	29 th	Entry into Theoretical port.
	304	Survey set point BCDEF
	312	Pull Dujn.
Sept	1-4	Com Dor and Whisher Care.
	214	Sam Helen and Maen Madoc.
	3-4	Set Paint G.
	h d	Set Pout H. Einens Hole. Fluorencein test.
	54	Set Paint I. J. K. New cases above YHA. Dig at end of Town Drain.
	6 d-	Town Main, are where white hady, Pith op chancol, with Hole.
	my ch	Journey Home .

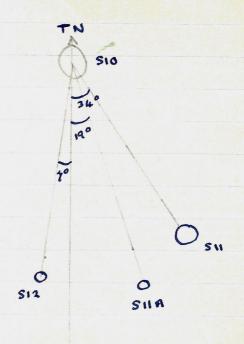
Set Paint A.





Dept 16 ft.

30t Aug. Set Paint . B.



5 11. leg 51 gx 20NS x 25 EW depth 15 gx Bouldon day a public chale OKS.

SII A. Ley 65 ft 6NS × 8 E W dept 7 ft.
Vert lat histore very small boddes day & ORS infill.

S 12. hay 166 ft 20 × 20 depth 12 ft.

Small Hystone boulders.

30 th Aug. Set Point C.

513. hey 64 ft. 20 x 20 dopth 10 ft. No visable Hotone - complete clay in Jill.

S 14. key 62ft. 20 x 20 shallow. Lotone outerope N.

SIHA. Ley 51 ft. 3 NS x 10 EW shallow. Watone sides and boulders. B/clay x ORS infill.

30 Any Set Point D. Wall Turction .

12 St NS

- outcomp Hatone
bouldon.

SAI. 34 9 ft NS × H4 ft Ew. Lapth 14 ft.

Isolated smallet at top of field above the
two baldes day pands.

30th Aug Set Point E.

PAVE

OSAZ

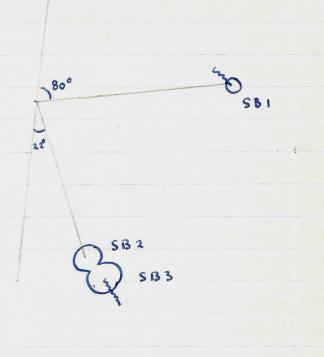
SA 2. beg 65ft. 20NS x 25EW. Depth 11 ft Clay in Jill.

hey 37 ft. 100 NS x 82 EW. Depth 25 ft SA 3. Dig in ORS small boulders and B day.

hay 130 ft. 66 NS × 71 EW. Depth 20 ft. Tree in Lower SAH. port - no visible boulder, clay in fill.

Small - no trace borlder, day infill. SAS.

35th Aug Set Point F.



5B 1. Ley 90 ft. 35 ft EW depth 13 ft intermittent stream from mershy ground - ORS & B/day.

SB 2. Leg 27ft. 38NS x 50 EW. depth 15ft wet a marshy

SB 3. 45 pt NS x 70 EW. depth 25 pt. intermittent treem to B/clay.

Sice

3 nd Sept. Set Paint G.

Wall Tunction

O Einaus Hale

Area of many small depressions.

0 505

SBH O TREE.

620 7 6120

O 504 0 586

SB 4. Ley 6 pt. 34 NS x 46EW depth 10 ft. Clay in fill.

5B5. Leg 45ft. 40NS x 50EW depth 10ft. Clay injill.

8B6. Shallow H/quit, ORS and B/clay. Ley 165 ft

SBY. SOft NE of above. Shallow B/day.

TH

Set Point H.

0 538

O OSNAA SB9 2002-30000 SB14 SB16 SB15 wall OSB 10A Ossio 0 3313 leg 27 ft 12NS x 12 EW 6 ft deep water on H/grit. 538 132 ft 30 × 40 × 6 frostweed Hotone - dig by M. Knee. 5139 Shallow Lotone & B lay. 172 8 513 9 A 30 x 30 x 20. Colleges in H/gout clip 150 NW 4195 51310 Shallow B/day. 548 SBIOA 30x20x10 H quit and B day 210 1 5 B 11 Small B day. 230 gr 5 13 12 Small Bolday. 250 8 51313 Shallow B day 180 W SBIH Shellow damp reeds. 250g 513 15 290ft, Shellow damp needs. 51316 Poulle, Mallow B day. 210 90 51317

5t Sept. Set Point J.

N

E Trach

0 0 sc10 w

sca 0 scii

D sc12

Many Shellow Depressions

5

SC 9. leg 180 ft 30 NS × 20 EW. doubt 15ft. Intermittent such under 11/guit suprove.

SCIO. ley 249ft. Shallow Higher boulders.

SCII Side 63 ft from touch. Wet - whollow - reads.

SC12 18ft from SC11. Pouble. Top is shallow bottem is a right in B/day.

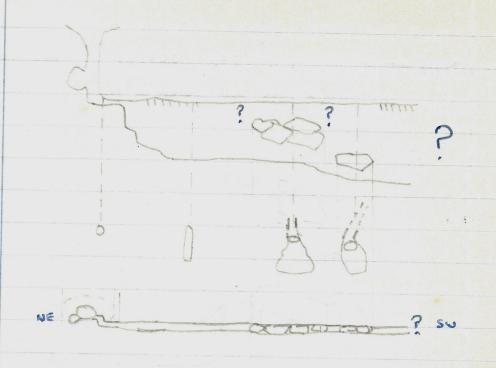
5th Sept. Set Point K.

318 gr 0 502 tasmittent Stream SD 3 } Antesmittent Stream. SD 2 } What are outcomp SD 5. Dry

NGR MuttanPet 9209 1351.

NOR Come on Ridge 9224 1345.

26th Ang.



Mutten Pat. 9209 1351. CRG. Grade 2. RM, BC, JF.
Scale 1: 180.

Intermittent crates from tops of root - Scalloping vertical in entrance shopt, half takes, fluting. Floot of invested Bl day and ORS boulders. Some Mignit also.

Pre- glocial but new in compaison to the cover in the niver valleys.

system very light and blosting required.

27th Any.

Upper Cove at Gargina. J.F. CRG. 2. NER 9211 146

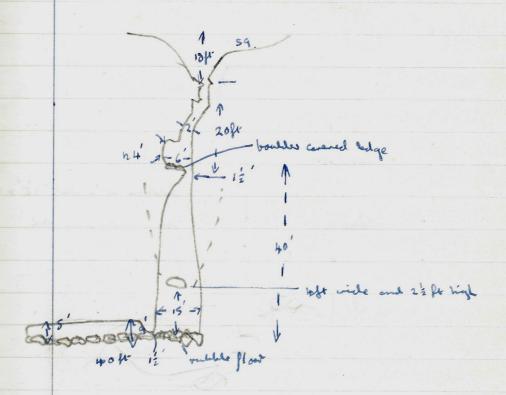
Known to sweet and Wested by them.

See MNRC Jul 1(3) 14. (1964)

Lower Cove at Garyinen. JF. CRG. Grade 2. NER known to Swee. possage very well stilled but day. As capied from JF. See MNRC That 1 (3) 14. (1964)

54

Theoretical Pot. CRG. grade 2 JFR RM.



Beelding new horzontal - wind wily to Have pots harge bouldes removed, entrance chipped up to allow only - only IF a RM (too tight for atters) Filled in after descent and medal VINRC Done 24/8/63.

See HNUC IN T(3) 10 (1964)

stay. Sinks on de Hepste.

harge amount of outer into

in two places. Sestical alots

6-8" oeven and to a probed death is 1-2 feet. There depths are not occurate he to day, rebble a butter fill."

diogram. Not enough value for the larger with below to be seen in action.

Breen &

Others Comes found one 2 Julying Holes and

Rhodendoon Hale by MK TF.

Party committed of R. Cowies, J. Footman, Mike Mice,

Phil Romford & Self. Ray Deary 30th - Sept 1th.

Geoff Roberts Sept 2nd 5 7th.

See pages 74-83 in this diany for notes on lecture in

See raport also in MNRC Jul 1, (3), 8/24 (Jan 1964).



IL Sept.

Visited Hilliers Care with a party from Keynshem York Club - mont of them had quite a good trip abhargh only half went to the 23/8/12 and of suicide. The other to Combridge Gratto.

Ht Sept. Observatory Cave.

CLIFTON OBSERVATORY ADMISSION TO

It was attached rough

survey made by self on above date.

Care Maths.

HERALD.

TRIPHOSA. Tissue Hath.

White - Jeeless and legs.

Orange - spats on wings.

Arrear in several alours.

Flasher golden with light

passing over it in contain disections.

19th Sex.

Cave dwellers of the Old Stone Age

Sound, colour, 17 minutes (Encyclopaedia Britannica Films; hire from Rank Film Library, Aintree Road, Perivale, Greenford, Middlesex).

Some excellent reconstruction scenes trace the life of Neanderthal and Cro-Magnon men. showing the gradual development of techniques for hunting, the making of clothing, and the preparation of tools and equipment. The film hints at the growth of cave paintings and the development of social life. Very useful.

Inquiry on Lascaux cave paintings

The French Government has appointed a scientific study commission to save the 25,000-year-old cave wall paintings at Lascaux in southwest France, which are threatened by a green fungus growth.

Sept.

27/5/63

CHEDDAR CAVES DOUBLED IN VALUATION

RATES BURDEN AT LONGLEAT

By JOHN ARMSTRONG, Daily Telegraph Estates Correspondent

VISCOUNT WEYMOUTH, son and heir of the Marquess of Bath, who lives at Longleat, Wilts, one of the largest historic mansions in England, has an extra rating problem on his hands which will take months to

resolve. This is over the reassessment of his Cheddar Caves in Somerset.

Their valuation has been more than doubled at a total of £20,870.

At this figure and with future poundage rate increases the public could eventually have to face higher admission charges to this great subterranean attraction.

Lord Weymouth's advisers are considering an appeal against this revaluation. The caves and all the family land except the park at Longleat were transferred to Lord Weymouth by his father a few years ago.

CAVE'S VALUATION £9.500 increase

The Cheddar enterprise consists of two main caves, Gough's and Cox's, both famous for their stalactites and stalagmites. Gough's, by far the larger, has had its valuation raised from £7,550 to £17,000 and Cox's from £2,800 to £3,870.

The question of how to value caves is one of the oddest in the rating field. The method of assessing the rateable value of houses is how much rent they would fetch under present day conditions.

The Cheddar caves are uninhabitable, yet they must have a rental value as a form of entertainment. Their rates were last fixed about 1954. Since then there has been no alteration in use. Their restaurant is nothing new. It was there before the war.

POSSIBLE APPEALS

House and Cottages

Cheddar's staff quarters, two cottages and a manager's house, are each rated separately and their revaluation is at about the national average of 2.6 per cent. higher than the old figure.

The family estate is not being frivolous in its appeals over rating. Of about 200 cottages on the Wiltshire estate only about 20 have been earmarked for possible appeals.

Longleat House, which is owned by Lord Bath, is almost certain to be subject to an appeal. Its rating revaluation has gone up from £426 net to £1,222. It is not the sort of property that anyone would want to rent because of its size.

Its condition has not changed since the last rating valuation. Lord Weymouth lived there in 1956.

His apartments have been redecorated since then but that does not necessarily add to the letting value of such a place especially with the thousands of public visitors trooping through the state rooms most of the year.

'Bull' makes him potholing champ

WORLD champion caveman Geoffrey Workman saw daylight yesterday for the first Yorkshire Moors. time in 105 days.

And he revealed what

By ALLAN STANIFORTH

June 16 in constant darkness beneath the

The secret was . . . Geoffrey, 34 - year - old

kept him going since father of two, used the June 16 in constant "bull" and discipline he learned in the RAF to keep him working, washing, note-taking and having a regular hot meal.

But even R A F discipline did not persuade him to

take a bath in the ley waters of Stump Cross Caverns, a two-mile net-work of caves near Pateley Bridge.

"That's the first thing I really want—a hot bath," he told me as he faced the cheers of hundreds of potholers and visitors.

The wind howled and rain poured down on the bleak moors as Geoffrey emerged.

"I took one look and very nearly went down again!" he said.

Record

How did he feel? "Fitter than when I went down," he said.
Was he bored?—"Never, I'm convinced I could stay down a year if necessary."

The previous under-ground endurance record —sixty-two days—was held by a Frenchman.

LAST WORD from Geoffrey's wife, Jessie, 32: I'm a bit sick of the fuss. All I really want is to have him home again."



ST. Led to be a second to be a secon

22nd Sept. 4525.

5052 5669. B. W. W. As per Cherter house aning Committee.

An odit 3ft wide and Ift high. Unexplored due to stream.

4579.

5099 5531. Covered by concrete slabs.

Found to be 35 ft deep or described Nywel Hursell 3, 28 (1935).

4580.

5099 5526. Filled to surjone. See Howell 3.

4581.

5101 5522 Filled & surface. See Nomell 3, 28.

4 58 2

5117 5513. Filled to surface. See Humell 3,28.

4583

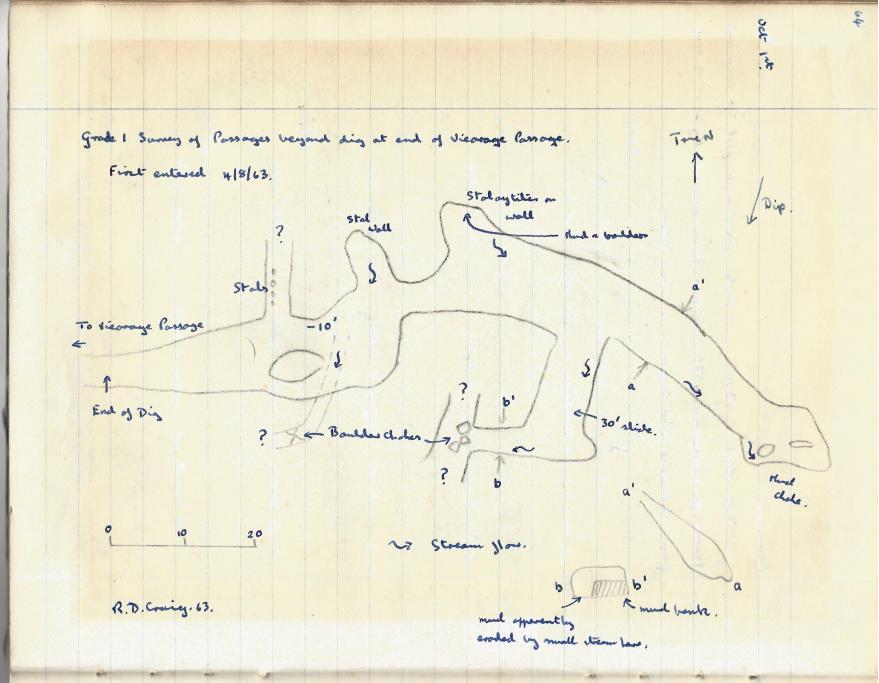
5065 5526 Filled 6 urface. See Hamel 3.

4584

6069 5538. Open Adit - unercplaced.

Resurgence.

1000 into adit/mine 4525 - 20 yets SE in mined gully on LHS of road from charterhouse School Corn roads to Volvet Bottom.



Ock 16th

SEVEN-INCH SQUEEZE



Reporter John White and pho tographer George Edwards rest on the gorge face.

TO CAVE OF MYSTERY

Two Bristol teenagers have discovered a new cave system in the Avon Gorge.

Already it has been explored to a depth of 100ft., and is to be opened up still further.

The system is a continuation of the already known Hadies Cave. Its entrance is 150ft. above Portway.

First into the unexplored network were Ian Kelly (15), a grammar school boy and Paul

Allen (18), a clerk.

They made the breakthrough at the weekend, after a year spent by cavers in clearing away mud and debris. The initial exploration, made after a muddy squeeze of seven inches, has revealed a narrow passage high enough in places for men to walk upright and ending in a master cave.

From here, 260ft. inside the cliff, radiate two more passages.

Where they go no one knows but cavers are now planning an assault on their secrets. Many tons of earth and boulders will have to be moved first.



Tony Oldham, a member of the Severn Valley Caving Club, explores the cave.



Reporter John White climbs down into Hadies cave

A lost world—in Bristol

Cave team breaks the silence of million years

By John White

I stood last night in a cave where no man had set foot for more than a million years—less than two miles from the bustle of the centre of Bristol.

Only six people have entered this cavern, which is part of Hadies Cave, believed to have the longest and biggest network of passages in the Avon Gorge.

The breakthrough into the new passage was made only three days ago by two members of the Severn Valley Caving Club—15-year-old grammar school boy Ian Kelly, and 18-year-old clerk Paul Allen.

Last night, with photographer George Edwards, I scaled a sheer 150 foot cliff face above Bristol's Portway to reach the cave entrance.

Our companions, cavers Brian Roach and Tony Oldham, helped us up with cameras, tripods and flash guns.

Tony said that Hadies Cave was first discovered about 100 years ago. But the breakthrough to the new passage was the biggest event in Bristol caving for years.

Tight squeeze

"We have been digging in mud and debris for the past year to try to find a new passage," he said. "Now we have eventually got through we hope to explore even further into the passage."

After clambering through a tricky overhang at the cave entrance we walked a few yards and then came up against a tight squeeze, only a few inches wide.

With my caving helmet bumping on the low roof I struggled through inch-deep mud

and water.
Then we had a fairly easy stretch through a narrow passage which is about 40 feet high in places.

A short climb over mud and boulders brought us to a sheer 40 ft. shaft. We used a caving ladder to get down part of it.

Then came the big squeeze through a small hole just seven inches high.

inches high.

We were now in passages which have probably never been seen since the beginning of time.

Focal point

A short crawl and we were in a chamber about 15 ft. wide. The limestone walls glistened with water as we peered at red stalactites

Another narrow passage, and we arrived at the master cave. This appears to be the focal point of the cave system with three passages running off it.

"We have got to explore the other two passages" said Tony. "This will mean shifting tons of earth and boulders." We were then nearly 300 feet inside the cave.

Back at the cave entrance it was almost odd to see the traffic on the Portway again. We had been into a world that few have ever seen.

And the silence which had reigned in Hadies Cave for million of years settled back as though man had never intruded.

16th Nov. Poul Ceve.

Situated in the Aven Googe above the Tennis Courts. Hears is by fallowing the foot of the googe until you are to the left of the entrance. Fallow path until a ledge at an angle of 70-80° is met. Troversing this ledge brings you into Pool Core entrance. Core is in fact a shelter. size of Arelines normaring how into a squeeze into charles with a pool. Rife 42" wich goes on.

20th New. Piving at Pridly Pool.

Roy Pary, Bob Cooing a Phil Royand having a bit of powerine under John Connell (nee page 123), Diving on air - demand value. John breathing is very loss and anact whilst the atters are sparmochic - not well spaced end A world imagine that demand veries.

21st Nos Berger Expedition 1962.

A very well attended lecture at the UBSS geography lecture dector by Dove Allsop. Not many while but the ones shown gove a good idea of the one.

Store upon Roberts talked briefly what 1963 Expedition

Oct 28th

D. Humer

GAVETRAP

SEA cadet John Rashbrook, who nearly died in a cave 300ft. below ground, may be "put on the carpet" by his Royal Navy commanding officer.

John, 15, had disobeyed an order by going into a dangerous part of the cave at Buckfastleigh, Devon, during an "adventure" expedition

at the week-end.

So had two boys with him—Kenneth Seymour, from Yorkshire, and 15-year-old John McClear, from Glasgow.

Trapped

Yesterday, their commanding officer at Gosport, Hants, was considering disciplinary action against all three.

The boys were among seventeen from Gosport on a five-day adventure trip to Devon.

of Shrewsbury-John. road, Carshalton, Surrey, fell off a rope in Bakers Pit Cave.

He hurt his back-and lay trapped in the dark for five hours.

Then a doctor arrived.

The rescue began. The doctor—33-year-old John Dunwoody, prospective Parliamentary Labour candidate for a Plymouth division—had never been in a cave before.

But he put on caving kit and crawled through mud to the injured boy.

Dr. Dunwoody — son-in-law of the late Mr. Morgan

Phillips, former Labour

Party secretary—gave John a pain-killing injection. Then the boy was put on a stretcher and hauled to safety . . . up a 70ft-long, 18in.-high tunnel.

The man in charge of the boys' cave expedition, Petty Officer Samuel Bowden, said later: "The boys went off in groups of three. We told them not to go near the area where John Rashbrook fell." E Cost

bet 31 de

RESCUE TEAM BATTLE THROUGH WATERFALLS

Roland Fox went on his first potholing expedition in the Mendip Hills last night — and spent three hours helpless with cramp beneath a waterfall 150 feet below ground

A full turn-out of the Mendip Rescue Organisation, from Bristol and Well, went to Swildon's Hole, near Priddy.

Mr. Fox was brought exhausted to the surface after a 75-minute battle through two waterfalls.

DEEPEST

Mr. Fox, an 18-year-old botany student at Southampton University, whose home is at Leytonstone, near London, was revived with glucose before he was brought to the surface.

He was one of a party of 12 Southampton students who went to Priddy for a day's potholing.

They entered Swildon's Hole-one of the deepest and most treacherous of the Mendip caves -at 4 p.m. Mr. Fox was seized with cramp two-and-a-half hours later at the bottom of a 20ft. waterfall.

He said afterwards: "We were making our way back up the caves when it happened, and I couldn't go any further."

Two members of the party stayed with him, while the others clambered through narrow passages, and over another 40foot waterfall, to give the alarm.

MUSTERED

Police were told and Mr. Luke Devenish fellowmustered members of the Mendip Rescue Organisation at Wells.

Dr. Oliver Lloyd, of Bristol, secretary of the rescue service, was also told.

He said: "I was kept informed of the situation, and I got in touch with other members of the service in Bristol in case their help was needed."

Dr. S. Cannicott. of The Gables, Cheddar, waited at the surface to give treatment to the young potholer. Then, at mid-night, the party headed back to Southampton.

Potholer trapped by cramp 150 ft. down



Roland Fox (centre) is all smiles after his rescue from a Mendip pothole late last night.

Boonien		320m	Peprikin g ORS.
Chil	Cost hine	7	> . Deposition of c/hime.
Carbeniferous	Milly grit	J 280 m	Age of Coal Forests.
Permian		220m	Non depositional in this over
Triassie		1900	but ages of extensive demolition of
		previous	I formed south especially due of the Corbinjamon
Jumanic		150m	Maine conditions reflect only arthere S. Wales
Cretaceour		120 m	Submanyed - challe shap sisted.
Evene		70 m	Uplift, level condition developed, ground wines up tem initiated a wines fully its way into the above soche, the chulk
Oligorene		50 m	
Miresne		35 m.	I having been completely demonstrated.
Pliocene		15 m	Subsidence followed by uplift resulting in rejuremention and most capture.
Plaistocene		1 m	Ace Age-glorial oction in this area
Holocene		25,000	minor features of modern recovery

3 md year in this area (See 118 Dieny Val 1 pps)

Area one of great interest to MNRC not only for its hown

cover but because of great reope for geology and geomerphology;

although this is very complex it is for more fascinating

geologically then rendip.

1961 Surray of Afon Nedd Fechan a 2 new ceres 1962 Exploration of Host Top - numerous swallets etc 1963 Geo a Geomorph surface survey a 6 new cover.

Areas of ORS, b) store & M girt. Obviously the lines are not perfect - not all the b) store off the ORS and not all the M girt off the b) store att. Explanation of the b) store and and the b) store aid ges - where M girt is found and the deposition of Bouldes Clay.

I alley was probably that of River Neath at the and of the Corboniferous going on into Permien I Trias.

the first part is a type of an experiment - an attempt to show a surface survey of an extensive area (I mile long x if mile vide) - outo a ret of photo slides.

Thenks to all on the haliday (See page 57).

Slide. 1. Pives Neath (Afon Nedd) near its some - in the towest track steep gradient - rejusenated fives cutting its U shaped valleyglacial action. Stream bed is of worked down boulder of ORS,

If | gint. Although the rives meanders the bands are not

Jorned John Now moving water in the plain track (John Jolley
but from recent deposition - Ice age it rejusenation of
liment track.

- 2. Tributary of the Africa North (the Nort-y- Mocks) Steep V valley cutting down from top of Pout Mart to was Neath level largest tributary of the Nedd Higher boulders.
- 3. Nant-y-moch geological feature of the trant track waterfell hanging valley feature trees by the water not my on top of the most.
- 4. General view of the Afon Nedd this is the part of the vives is on over of slow sinkage.
 - 5. Hain rink water sinks in a large lay by under the cliff below the entrance of Bridge Care, water ober in fact jain the stream in the case.
 - 6. Final sink (1961) between boulders
 - 7. Day malley below Pull-y. Rhydd.

East - work style to 33 pt. Depil 20 pt to 7 pt. dult - South 82 pt & 27 tt. -: In constraint size , some telland for degral at pinuals areas A 412 - 12 at to trag bress? going to ming boing. trit ment about AHIS - 12 ablance to censer wint - boulous over - pollow ob to god of to printent? the containing by it are vidges and the contained boulded day. View of the review S.A. and S.B.I. 3 showing features of ceives AZ st alini which cuts the valley floor. Slows continuetting up ting enotation to shoot a jud explose of willst one whole of sphir is it Elis - 1812 has 4 Els usutell. 7182 - 402 con - ephis st cold dellars to consc ER st to kno his T Following up again - volley - depressions - few trees. Following de volley - de suale depression aves. and the edge of the main welley of the servey. Mering up wellen - view of the last lety in the survey of the valley about the come at, 10 GR 9224 1345, including Fare Wedd - telen from vidge at the bothons general view of the weer top lacking up to work and

- 17. Dig in swallet 52, top of excavation showed vertical pat or oven formation, duy for 5-6 hours den abandoned.
- 18. S10. Lestone bluff shows vertical pat development.
 Fred knee jumped into floor of depression and based tones
 full into a shaft.
- 19. 510. Excoration and departition of sheft-Theoretical Pat. (See MARC Int (3).) and we page 55 of this dirry.
- 20. Looking up the valley at the whole line of 5 series of smallets one lang line bounded by bystome.
- 21. The ridge below Jurynien very frest shattered. The ice masses here been forced by the boundary by trace ridges to follow the valley floors and thus here the deposition of boundary day is extensive.
- 22. Opposite ridge not quite so high and effect is due to quarrying valley can still be followed and single smallet is SAI second set of survey smallets.
- 23. The effects of glaciation pools of vales contained in shallow packets of the boulder day. Valley floor is grass and hing, also heath (asia tetralia). This shows the special interiorly of boulder day. Dig in the smallet SA3 (100 ft NS x 37 ft EW x 25 ft deep). Water from pands drained off into depression took the lat dig

in day and ORS glocial blocks.

- 24. From the top of the ridge valley touncated by the large mass of boulders day on the back of the millstone quit block. Up valley side is by for the diskort in boulder day (measured at 80 ft deep) and very thin on doin valley side afthough grit have is very exident best place for a case dig.
- 25. Honing an down valley not so steeply marked and is browdening but still showing lines of swallets these are the loves level of SB series and are not as full at as blocked with boulder day as the upper level.
- 26. Dig at the other side of the millstone guit and boulder day mass following line of lift one in SB9 perhaps a fault Reeds show surface drainage interesting that an eseposure of his time, much frost shatlered and joints full of comprehed day.
- 27. Limestone bedding in this area is near hargent of crocked and shattered due to frost action since exposure of to the fee Age.
- 28. Limestone growns, grykes poné et al os in Yorshine, rene to a deth of 4ft and a width of 1ft usually on ridges in this area.
- 29. view to grype ridges and its relationship to de

main valley floor.

30. View as above but down valley to the loves limit of the survey (VI) Mutten Pat).

- 31. Pathole in hystone (Mutton Pat) at the lowest port of the valley below a deep series of similar takes intermittent stream (see C. 51).
- 32. Millstone Grit the cave above Mutton Pat showing the formation at the junction of grit and leftene; this feature can also be seen at Ogof-y-defyd-Mont.

 33. Inside this cave another view of this junction.
- 34. Caption Slick. Why is Millstone Guit so called a slick of an ald millstone made of millstone goit.
- 35. Caption Slide. The Doman' bouldes day glocial deposit in smallet SB 10.

CAVES.

Slide 1. Survey of Ogof Flynon Ddu - most extensive network core in this country - as big and as fine as Swildows a Cuthet.

- 2. Fault Series there are several examples of stals on mud.
- 3. The main stream passage.
- He Fine geological example in the tream parraye where parraye has been underent by stream.

- 5. Main streamway at Alpha hedge.
- 6. Main passage Jarmations read Calumn Passage.
 - 7. As above.
- 8. Loof James in lines tone anastomerer Column Parsage.
- 9. Fine gout pool at the entrance to Column Chambet.
- 10. Pillat The Columnic.
- 11. The resurgence of the care.
- 12. Part Harr Pat. Chamber between 2nd choke and Trib Passage
- 13. In the chamber just after Tributary Passage.
- 14. The fine formations in the chamber between pt a 2nd chales
- 15. Roof formations in the above chamber.
- 16. Large areas of straws in the same chambet.
- 14. Gour pools just after the first Boulder Chake.
- 18. Large core entrance similar to Audines at Penallyt.
- 19. Entrance to new cove Com Dut duy into by SUCC.
- 20. Roof formations in Whisher Cove, also known as Ogof Thoutch, Penullyt Querry Cove, Ogof Pen Pont.
- 21. The Whiskers (See Culling ford).
- 22. Unusual Spor on walls of this core.
- 23. Geoff Raberts on the up train lip of Pull-y-Rhyd
- 24. The bottom of the pat.
- 25. Interior that beside the undergrand vives | likes.
- 26. Dong valley below Pull-y- Rhydd almost a care.

27. Entrance to white hady love (See British Comes Jal. 39.). 28. The Exit of Pull- J- Rhydl. 29. The formation, de white hady. 30. Abseiling above the osut Pull-y-Rhydd (white Lady). 31. As above. 32. Entonie (upstream) to Porth- 45- Ogof. 33. Entrance (doenstream) & Parth-yr-Ogal. 34. Dinas Rock (See photo at back of Ding). p. 90. 35. Canseway to de Silien Mine 36. harge rock shelter on nies bank above will Hale. 34. Entrance in ivy duff to wills Hale Entrance Pitch. 39. hong that of the dig at and of we. 40. Close up of above point to digging. 41. Palette in the main passage. 42. Main passage uptream from the junction Scallages in the roof doestream and. A few like of the camp at Beaththough.

4th Na.

heeture to Bristal Groundmans Association.

Part 1.

Cover in this country are Journ's usually in the Dermian and Corbinigarous himsestones but most frequently in the latter. This does not mean that cover do not form in allow types of rocks - only that there cover are a small minority group.

himsestones are sedimentary rocks with bedding and joint planes (Diogram) and are not too hard so or to be impassmeable neither are they too sept. When rocks we too hard - covern formation does not take place and if too sept cover are cointy formed but they early collapse - a good example of this was the Kirkdale Covern in Yorkshire. The cover of this country may be defined into areas:

a). N.W. Yorkshire. (The Crowen District).

This area has the largest and the deepest cover (or patholes). definition of CAVE:havingatal length. POTS: vertical depth. The cover of this area are plentiful and here also the largest chambers: 113. Gaping Ghyll.

b). The Peak District. (NE Stoff a High a how Derbyshire Peaks).

The reputation of this area is over 300 yrs old but cover are fewer and not as large as Yorkshive but they make up in scientific interest

that which they lack in size. Well known cover in this area are: Blue Jalu Covern & Peak Covern.

c). The Mendins.

Sostert from wester - S - Hore to Frome. Area has mony fine cover (see following pages).

d). South water.

A semi-circular ridge of limestone containing all of the cover in this area (see following page)

cover formed in Devenion Limestone. The main areas of cases one at Bucky-stleigh (see page) and at Challeigh Rocks - recent developments in the area at Plymouth.

3) North Water.

A recent coving area where most of the cover are small (Denbyshire and Flintshire). The cover one of archaeological interest.

The above is do list of coving areas but is clated cover and groups of cover occur elsewhere.

Port 2. A few rates on how cover are formed-any formations will be pointed out or and when they

occut in the slides.

- 1. Cases formed by stream action in massive bedded by trees.
- a) Before the major stream action has cut through the shales.
- draining the rock beneath its tributory which dissapears into a pot hole development along joints and bedding planes.
- c) After the main stream has coased to cut down, it widens its valley and the undergound stream modifies its course.
- of) The main stream is rejuserated, deepening its valley and redeveloping the lower passages of the original pathole. The tailutery has evoded more of the shales and has begun to lose water to a new pathole which will eventually take all of the flow.

2. Typical Cave Sections.

a) hongitudinal section of a case (very typical of thendip) showing the moded influence of almost horizontal beds and vertical joints with modifications wrought by stream action, especially above pitches of verticals.

- (1) a bedding plane case with a later phase of stream cutting us. Eastwates Covern the Primpose Path.
- c) solutional openings along a moster joint these may join up to John a larger (higher) passage.
- d) a chamber strongly effected by roof fell Mendip hamb heet and Eastwater Covern.
- e) a cove largely developed by donnered cutting of the stream ver. Steam passage Ogof Ffynnen Ddu.
- 3. Care Davelopement by flowing streams.
- a) at an early stage, the passages bear a very close relationship to the original bedding planes and joints.
- west strongly above the Jallo including the entrance; in places, pools (pat-hales) Janu below the Jallo.
- c) solutional opening of an alternative path has led to the abandonment of cortain sections and Justless' adjustments.
- 4. Three stages in the Jamatien of ovens.

6. Formations in a Cove.

A very important formation is the indication of water flow on walls and in the stream ved of a cove.

Scallops or (Fluter american). These are found in many cover and are flow indicators - the water being turbulent and thus irregular in motion and dependent upon velocity and the roughness of a channel. These scallops have an assymptotical cross section on their main axis (being steeps upstream).

(v) Rimstone Pools or Gours. a) small flat pools and (s) large stepped pools. Coursed by water shouly receiping over the edge of a pool depositing a precipitate on the lips, which gradually builds up raising the water level of the pool.

e) Stalactites et al.

- a) fast growing form strows
- (1) slow growing from stalactiles

Explain Stalognite and Pillar also helectite: many theories but for too complex for a simple explanation.

In these above the Jallowing diagrams

Brilish Carring - as illus. 1. page 56. British Cowing - as illus. 2. page 24. page 57. Boilish Coming by RWM. 3. Bosed on 4. page 60. British Coving - as illus diagrams by Nat. Spel. Soc. by RUM. 5. Bored on 6. pages 69,86,93 British any as illus. Others by RWT Rough shetch map showing the location of bilitime Port 3. and larges coves in the S. Wales area. himestone Seenery - showing 1963 wals For Nedd and the vally below Plas-y-gos (whiche no. 8 p 78). 2. General view of the river Neath - how an active stream cuts into the Linestone. 3. Mossland - high and flat - covered by bouldes day. Dog cove shelter above Don-yo-Ogaj. Winlis Scenery - mouss of winter 1962/3 at Mangatock. Entrance to Aggy - via Ogal garn - iced up. 7. Solution tube in Aggy main autrance - leghale shape stows trench. 8-50. As new MNRC lecture. Care Slides Nos 1-42 (See pps. 81-83).



Shetch map of the Mendings showing the caves. Section (usual) octors Hendigs. Stide 51. Limestone Seenery - garge - usual in this over - Ebber garge. 52. Econory affected by man - lead mining - hand Battern. 53. As above - also an aid to covers - Fairy come Querry. 54. Care Entrance - At Joot of a very shellord diff - Reads Covers. As above - Cove opened primarily as a show are - gout devel. 56. Han made entrance - Shaft 124 Eaker Hill. 5%. Caving dig by MCG. Dig in mined gulley Blockmow. 58. Entrance in large depression Pinetree Pat. 59. Looking over the pitch in Pinetree Pat. 60. Monlight Gratto - poet farmations but best in care. 61. hamb best. The Beeline - largest statograte bors. 62 h.h. View of the 70 ft pitch. 63. Lh. hooking down into dry at Jost of the bodder. 64. G.B. The hodder Dig - 3 views of Jornations. Giller and helectites Familiel care - bedding plane - antrance rift the custains - fine sed colouring.

71. Putting up the tent and nexting de gear in de care. 72. Xmos dinnes in the Throne Room. 73-18. Farmations in the Throne Room. 79-81. Formations in Princess Gratto. - 82. The Bone Chambes. Time taken on this lecture 2 hos - Jalland by most accellent discussion for about & how on general carring - question and answer personal preference is Jet me to talk to people like the groundsmans or they how a for greater interest than a dub like the MNRC. Nort lecture is for Havel 1964. A fee of 2 gus was given to Phil & mysely Jas this lecture - sent on to M.R.O.

1 00 a 1075

Sketch map of the location of Desen Cares.

1).	Aften Rift Cave. E.C.	838, 631.	L. 120.	Tatnes.
2),	Ah Hole. E.C.	937. 564.	h. 90,	Brischen.
3).	Bolan Pit Cave. D.C.	741 . 665.	L. 4000.	Buckfortleigh.
4).	Bench Caren - Bri	kham - deste	royed.	
5).	Bunham Hole, E.C.	735.647.	L.10.	Buckfortleigh
6).	Costle Cove. EC.	83 . 62 .	L.30.	Totres.
7).	Dort Rises Care. MC.	743.668.	L.200.	Buchfort leigh.
8).	Disappointment Care. EC.	743.665.	L. 170.	Buchfortleigh.
9).	Fairies Hall Ceve. EC.	743.666.		Buck jost leigh.
10).	Joint Miliner Cave, EC.	443-664.	L. 150.	Buchf-stleigh.
n).	Little Pridhousleigh Care. E	c. 750,678.	L. 300	Pridhams leigh .
12).	Partitione Cove. EC.	743.665.	L.80,	Buchfortleigh.
13).	Pridhonoleigh Core. DC.	750. 618.	L.3000.	Prid hamsleigh.
14).	Reeds Care. DC.	743,665.	L. 2200.	Budy-stleigh.
15).	Rige Come EC.	743.665.	L. 250.	Buely stleigh.
16).	Roch House Care, EC.	74 . 66.	L-450.	Budyatleigh.
(7).	Rostes are. Ec.	74. 66.	L. 150.	Duly-stleigh.
18).	Smugglers Cave. EC.	74. 66.	3	Budfortleigh.
193.	Spider Hale. EC.	443.664.	L.110.	Buch Jost leigh.
20).	Tucker Orchard Care, EC.	741.667	L120.	Budgatleigh.
21).	Ware Care RC.	74. 66.	?	Buhfut leigh.

Bristal Naturalists Society.

Notes on Series 4. val. 8. port 2. for 1936.

- a). Walten Done Ceve Clareden, Samoret.
- 4). Fingalo Care Isle of Stoffa Bosalt
- c). Druhen Care Plymouth Hac Sea Care
- d). Kiskelale Care E. Yarhshine (Juranie) Caraline destroyed.
- a). Hammonth are Hentreky USA.
- g). Core of the Holy Sepulsher Jamsalam.
- h). Care of Machelah Mount Hebren Palestine,
- i). Tilly whim NK. Surenage. (Partland Stone Quesies).
- jr. Robin Hoods Gras Nathingham
- M) Ellera Caren
- L). Djanter Comes
- m). Elephenta Comes
- 4). Kerli Caves
- 0). Narick Cover
- p). Seven Poyades cares (Granite water) Madres, India.

LARA CAVES - The Decen- India.

9). Cappochecien Cares - It 50-300 ft ocen by ladder - seme vatint, attended from 2000 BC ->.

7.30

ADVENTURE

Gautries Hole

A group of Derbyshire cavers search for a vast system of underground passages and meet, a few miles from home, all the excitement and challenge that the great explorers have found at the ends of the earth.

Described by Harold Lord

Filmed by
Harold Lord and Ken Hurst
with the help of members of the
British Speleological Association
Sound mixer, Bob Saunders
Film editor, Larry Toft
Presented by Harry Hastings
Series edited by Brian Branston
See facing page

Adventure—Caving in Derbyshire



THE limestone areas of Yorkshire and Derbyshire abound in caves and potholes, ranging from the easy ones a caving novice may enter to others which only an experienced potholer can explore. Caving enthusiasts from many walks of life meet together at weekends with one common interest—to go under-

ground. Some are inspired only by the sporting aspect of climbing ladders and traversing dark caverns and are content to explore for themselves the already-known caves. But a small minority prefer to spend their time either on the surface seeking entrances to undiscovered caves or trying to break through into new passages from ones which have already been explored.

Every weekend a small group of Derbyshire cavers have been meeting at the same cave to spend the day underground, attempting to gain access to further extensions of the cave. Tonight's Adventure film 'Gautries Hole' shows a small part of this project, which began over three years ago. The film deals with a situation where by using water a connection has been proved between two caves four miles apart, but where attempts to break into the connecting passages have failed. HAROLD LORD

BE MADE OF SURVEY TO TVERY cave, every EVERY MENDIP CAVE swallet hole and every

mine-shaft in the whole of the Mendip plateau is to be surveyed and recorded by members of caving groups in the next few years.

The Mendip Cave Registry as the survey will be called, will contain information of value to cavers and to scientists of many subjects.

Mr. Howard Kenney, chairman of the committee organising the registry says: "Interest in caving in the Mendip area has been steadily growing over the last 50 years. Apart from the many happy hours of sport enjoyed by an increasing numarry masungs

BRIAN BRANSTON

ber of enthusiasts, much has been learned about the geo-logical features of caves and the water drainage of the Mendips. "Other more specialised aspects of caving, such as biology, have been investigated and there are always keen cavers prepared to survey and photograph the scenic intracies of the underworld.

Over this period many caves have been discovered and much have been discovered and much research has been carried out. But the information gained is in the hands of many individual clubs and cavers and much of it is being lost through death or just because the people concerned turn to other interests.

Never complete ...

Several excellent books have been published and much good material has been included in club circulars, but no effort has so far been made to put all this information together." Representatives of several groups

met a few months ago and decided to compile the registry. Groups in the scheme include the Wells Natural History and Archæological Society, Bristol Exploration Club, Wessex Cave Club, Axbridge Cave Club, Shepton Mallet Museum Club,

will be kept by the registry, one by the County Library at Wells and one by Bristol Reference Library.

Access to the register by any interested person will be free. Mr. Kenney says: "Water under-takings may even discover a

by Arthur Smith

the Royal Military Academy, Sandhurst, the Cave Research Group of Great Britain and the Cave Diving Group.

The register will never be complete. Additions and amendments will constantly be made as new caves are discovered and new facts about existing ones are revealed. Three copies of the register will be made. They will be loose-leafed, to make additions easy, and one copy

great deal of useful information in the register, for the hydrology of the region will also be studied."

Unfortunately, one of the classic methods of following the courses of underground streams—the use of a bright-coloured dye which reveals the exit of the stream which dips underground—is denied to Mendip cavers.

"On the south of the Mendips,"

explains Mr. Kenney, "there are only three exits for the water. If we were to put some of the green dye into a swallet hole on the top of the Mendips, it would either dye the waters of Cheddar Reservoir, or the paper mill at Wookey Hole, or St. Andrew's Spring in Wells." But a great deal of useful work can be done in tracing the courses of underground streams and Bristol Waterworks Company is to be asked to support the registry, which depends on voluntary contributions.

At Wookey Hole

One of the biggest tasks confronting the amateur enthusiasts who explore Mendip caves every week-end is to complete the survey of the Wookey Hole system.

The system, of which the public sees only a small fraction, extends back into the Mendip escarpment for many hundreds of yards. Through the caves flows the River Axe, which in many cases completely fills the tunnels which connect the caves.

caves.
The system can only be explored by men equipped with diving apparatus, and this task is being undertaken by the Cave Diving Group Amateur frogmen from all over the country travel to Wookey on most weekends to explore the damp, murky caverns which lie behind the pleasant village.
The caves, most of them almost

The pleasant village.
The caves, most of them almost filled with water, may yield important archæological discoveries. Human bones have already been found on the river bed and can be traced back to the time when the caves were occurried. caves were occupied.

erbyshire

f Yorkshire and Derbyshire abound in ging from the easy ones a caving novice hich only an experienced potholer can isiasts from many walks of life meet ith one common interest-to go underly by the sporting aspect of climbing rns and are content to explore for them-But a small minority prefer to spend seeking entrances to undiscovered caves o new passages from ones which have

of Derbyshire cavers have been meeting day underground, attempting to gain the cave. Tonight's Adventure film part of this project, which began over with a situation where by using water a een two caves four miles apart, but where ing passages have failed. HAROLD LORD

Cave: Ten-Hour Rescue

to save a Bristol youth who lay injured at the end of a enced cavers, many of them rabbit warren of tunnels members of the Mendip Rescue 200 feet below the Mendips, Organisation. ended just before 4 a.m. today.

An exhausted line of rescuers, who had inched youth up into the open air.

13 St. Peter's-rise, Bedminster Mendip caver. Down-was still strapped in the ambulance sheet in which he included two women. had been hauled up by relays of

He had been below ground for nearly 16 hours.

The call for rescue teams went out after he had fallen 40 feet

down an underground cliff at the far end of the twisting

Forse, an 18year - old assistant Scoutmaster, had entered East-water Cavern with five comrades just before

Three hours Mr. Arthur Forse, later he slipped off a rope ladd

off a rope ladder, crashed to the rocks below and lay unconscious. Immediately two of the party-Pip Williams and Peter Marsh-



ROGER FORSE

A gruelling 10-hour fight wriggled back to give the alarm.

With them Two of them, in doctors. rescue gear, crawled into pitch darkness of the limestone tunnels.

Above ground, at the yardhim back through the square grille marking the cave narrow passages of the East-entrance, rescue work was water Cavern, Priddy, near directed by Professor E. K. Trat-Wells, followed the unconscious man, President of Bristol University Speleological Society, and The youth-Roger Forse, of Mr. Luke Devenish, a prominent

First volunteers to go down

They were Mrs. Brenda Willis, whose husband, David, went with her, and Miss Pat Tangey, of Bristol University.

Rescue Relays

A wooden hut on the edge of a nearby gully became the headquarters of the struggle. From it, relays of rescuers with carbide lamps twinkling through the lashing rain, filed down through the cavern opening.

By midnight there were 34 potholers forming a chain below

ground.

At 1 a.m. they had dragged the injured youth around a tricky Sbend. An hour later they had manoeuvred him up a 30-feet, steeply-sloping "slide."

The cavers had to bring Roger Forse 300 yards along the tunnels. Five of them who were on the far side of him could not be relieved all through the exhausting struggle.

But, 90 minutes later, after negotiating a long narrow boulder chamber a cry went up from the cavern mouth: "He's out."

One of the first to dash to the side of the rescued youth was his father, Mr. Arthur George Forse, who had been called from night duty at Bristol Telephone Exchange and stood in silent vigil near the cave entrance all night.

At Bristol Royal Infirmary his son was found to have a head injury and to be suffering from exposure.

This morning he was still only semi-conscious, and his condition was "fair."



SCOUT FALLS IN MENDIP CAVE.—A member of the Mendip Rescue Organisation descends into Eastwater Cavern to assist in bringing the injured Scout, 18-year-old Roger Forse, to the surface.



END OF THE STRUGGLE.—Roger Forse is carried on a stretcher to the ambulance after his underground ordeal.

BRISTOL SCOUT BROUGHT TO SURFACE AFTER 40-ft. FALL IN CAVERN

MEMBERS of the Mendip caving rescue organisation struggled for hours during the night to bring an unconscious Bristol Scout to the surface after he had fallen over a precipice at Eastwater Cavern, near Priddy.



ROGER FORSE.

They finally carried the canvas sling, to which the Scout was strapped, to the entrance to the cavern at 4 a.m. The Scout, Roger Forse (19), of 13, St. Peter's Rise, Headley Park, was taken to the B.R.I., still unconscious.

With other members of the St. Oswald's Troop, Bedminster Down, Roger left early yesterday morning to explore the cave. It was his fifth caving trip and he went despite the pleading of his mother.

Mrs. Forse said today: "I didn't want him to go and I pleaded with him to stay at home. He is not the adventurous type and I hope he won't want to go again after this."

WENT FOR HELP

Later yesterday afternoon, Roger's companions, Peter Marsh (17), of 51, St. Peter's Rise, Ray Haskins, of Whitchurch, Arthur Ottrey, of Brislington, and Philip Williams, of Bedminster, came to the surface and told experienced cavers who were nearby that he had fallen

He had fallen at least 40 feet, said a member of the Mendip rescue organisation. "He was moving from a ledge in a deep pit to a ladder when he felt."

A lifeline to which Roger was attached did not prevent him from striking his head. When the members of the rescue organisation, called from Bristol, Wells and other places, reached him he was still unconscious.

They found him after an extensive search of the cave. They put into action the agreed drill for such accidents, strapping Roger to the canvas sling which replaces a stretcher in narrow passages.

They first had to raise him from the pit. Then they carried him, inch by inch, towards the cave entrance. The passage which leads to the surface is in places a narrow, tortuous tunnel, and it was with great difficulty that some sections were passed.

Several hours elapsed between the time the rescuers reached the

boy and the time he was carried

Mr. and Mrs. Forse, who first heard of the accident at 9 o'clock last night, were called out of bed at five this morning to see their son at the B.R.I.

"He was still unconscious when we left at 7.30," said Mrs. Forse, "and it was decided not to X-ray him until he had recovered consciousness."

The rescue organisation was formed by caving clubs and societies some time ago because of the number of incidents involving cavers in the Mendips.

Dr. B. A. Crook, of Timsbury, was called in to attend to the boy and was one of the first rescuers to reach him.

The B.R.I. stated later that Roger's condition is satisfactory. He has a fractured collar bone and cuts and bruises.

· Over in New York.

WHAT'S MY LINE?": "Do you know you have let an attractive and charming West-Country woman, who stopped the American version of your show in New York recently, slip through your net of unusual jobs?"

She is Mrs. Olive Hodgkinson, an elegant bundle of energy, who runs Wookey Hole Caves, owned by her husband, Wing-Cmdr. G. W Hodgkinson. She is back from a five-week tour of the U.S. and Canada, attending the International Hoteliers' Congress in Washington as a representative of the West-Country and a member of the British Travel

and Holidays Association.

It was before the congress started that Mrs. Hodgkinson

leapt to fame as a contestant on the American "What's My Line?" —as a self-employed guide.

Not only did she stump the panel, which contained such personalities as Bennett Cerf, the humorist, and William Bendix, the actor, and win herself 50 dollars, but for the rest of the tour she was recognised wherever she went.

"What's My Line?" is even more popular in America than it

She 'sells' Wookey to the Americans

... and STUMPS THEIR TV PANEL!



· Back at Wookey.

is over here, says Mrs. Hodgkinson, It attracts 35 million viewers.

People kept stopping her in the street to talk about the show, and even in Toronto people came up and said: "Didn't we see you on TV the other night?"

"It was great fun and I did not miss the chance of plugging Wookey Hole and other places of interest in the West," she told me as we sat in the panelled lounge of her 600-year-old home, Babwith, right next to the caves at Wookey.

Since the show, and as a result of newspaper articles about her, Mrs. Hodgkinson has had over 60 fan letters, and they are still arriving.

One came only this week, addressed to "Mrs. G. W. Hodgkinson, c'o Wookey Cave.

near Stonehenge and Bath, South-West England."

She has also had letters from people with the surname Wookey, asking if they might possibly be related, or whether she could trace their family history. In fact, Wookey is just an old English name for Hole.

Mrs. Hodgkinson also appeared in four other television shows, including one in Washington and

by DAVID SOLOMONS

one in Toronto, and did several broadcasts on sound radio.

On one of these she appeared with Vincent Lopez, one of the popular dance band leaders. She thought at first the a studio broadcast,

but it was relayed "live" on a "coast to coast hook-up" from the Taft Hotel.

Afterwards Mr. Lopez presented her with a pair of maraccas and a diamante-studded fountain-pen containing scented ink!

A 'GIMMICK'

Apart from the fun of broadcasting, Mrs. Hodgkinson also did valuable work for the British Travel Association in continually publicising Wookey Hole and other famous spots in the area, like Wells Glastonbury, Cheddar and Stonehenge.

"The idea is to get the American tourist down to this part of the world," she said. "So often they go to Stratford, then on to Scotland and off to the Continent."

To help her in this task she took with her a "gimmick"—Archibald, a 2,000-year-old skull discovered at Wookey. He created quite a stir, especially on board the Queen Mary, where a special place was laid at table for him.

"I got away this time from the tag '20th Century Cavewoman' that they pinned on me four years ago," she said, "but I am sure some of them had the idea that I lived in a hole in the ground!"

She is hoping that her trip will show dividends this summer by a big influx of American and Canadian visitors to the West—and particularly Wookey.

TOUR AGAIN?

After her trip four years ago, she says, the American tourist traffic to Britain increased by 27 per cent., but the numbers who visited Wookey Hole went up by 300 per cent.

She turned down an offer of a three - week lecture tour in America, all expenses paid, to come back to run the caves—and, incidentally, to present her 18-year-old daughter Sheila at Courtnext month. But she is considering taking the offer up in the autumn.

Boys stumble on a body.. 180ft down

40 12.

D. Herrer

GRLIS FOUND URDERED IN PIT

By KEN ROGERS

DETECTIVES were searching last night for a killer who strangled a young woman and threw her body into a cavern 180ft. beneath a lovers' wood. The woman—aged twenty to twenty-five—was found dead on



IN THE CAVERN . . . Mrs. Monger. ARROWED . . . where the body lay.

Saturday night. Her body lay sprawled on a heap of rubble, in a disused iron-ore mine below Garth Woods, near Pentyrch, Glamorgan.

A black silk scarf was round her neck.

Last night the head of Glamorgan CID, Chief Detective Superintendent Tom Williams, said: "The woman has not

yet been identified."

The woman—in a jumper, blue skirt and black underwear—was found by four 14-year-old Cardiff boys who were exploring the cavern.

The boys called the police. And the police sent for two potholers Dr. David Monger, 52, and his wife, Zena,

Streams

Mrs. Monger led her husband and a squad of detectives on a tough, half-hour scramble along a tunnel to the bottom of the mine.

By the light of carbide lamps, the party picked their way around underground ponds and streams which sent clouds of vapour into the chill, clammy air.

Later, arc-lights were sent in. Crime-scientists arrived. They took away samples of the dead woman's clothes.

Nearly 200 feet above, police cordoned the woods. Dogs were brought in to help search for clues.

Fresh car-tracks found in the wood were covered with beech branches until they could be properly examined.

The killer is believed to have thrown the woman into an old mine-shaft which plunges straight down from the wood into the cavern where the body was found.

Shaft

At the top, the shaft is eighteen feet wide. It opens a few feet from the woodland lane where the car tracks were found.

Detectives believe that the killer thought the shaft was an old well.

Because of this, he would have thought the body would never be discovered.

But under Garth Woods lies a honeycomb of mines. They were used during the last war to store ammunition.

Now they are the haunt of potholers and cavers.



MRS. MONGER . . . she led a squad of detectives along a tunnel to the bottom of the mine.

5 th Nov.

Boy rescued after 17

hours in cave trap

A 15-year-old boy trapped by his feet deep in a Devon cave for 17 hours was brought out safely today—walking unaided.

The boy, 13½-stone Jeffrey Buckingham, of Honicknowle, Plymouth, was not seriously hurt.

He was stiff from being in one position all night, his feet wedged in a narrow crevice.

His father, Mr. F. W. Buckingham, who had been waiting all night, met him at the cave mouth and took him home.

Jeffrey set out yesterday with 11 fellow pupils from Devonport High School to explore Baker's Pit Cave, Buckfastleigh. His feet slipped and jammed as he made his way along a low shaft known as the Crystal Corridor.

Two school prefects tried for over an hour to release him before returning to the surface 300 feet above to raise the alarm.

Rescue work was hampered because only two men could get to Jeffrey at a time in the narrow shaft.

Teams from Plymouth, Buckfastleigh, and the Outward Bound School at Holne, with police, a doctor, and teachers from Ashburton School, worked through the night.

At 3.30 a.m., they were able to move him slightly, and he was finally freed with the aid of ropes under his feet with which he was eased up out of the

A touje to the top of Primore Pat - when won talk of going down - at least we comied the ladder to the top of the shaft. After much lying, cheating and chickening out only Roy Deny can though the represent to the first ledge. I am pleased to my that he wothered the rhaft on Dec 21st.

10th Nov. Quaking House Come.

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An MARC Speles Group trip to die come

See Geological report MNRC Smell Rep Dec 1963 (No 12)

See Also MNRC Spel Group Reup (NO 11) Nes 1963

W.A.E. Unher - Geol of Quentock Hills. Hom. Geol Soc (1908)p 89

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Des Fledomansforges - W.CC. Ind 2, (20) 212 (1963)

Survey from B. Ellis as H. Venney 2/9° post free.

CORNISHMEN MAY BE SITTING ON A FORTUNE

Money goes back into tin mines

By a Sunday Times Correspondent

PENZANCE, Saturday.

Cornishmen with defunct tin mines on their land have watched the price for the metal soar to almost £1,000 a ton, a rise of more than £150 in a year, and have wondered: "Are we sitting on a fortune?"

A combination of Indonesian politics, Bolivian inflation and a world shortage has already set some of the big finance houses thinking in terms of a Cornish revival. A dozen areas in the county, mainly the sites of disused mines, are being prospected.

Tin prospectors are cannier than gold miners but Camborne Tin Ltd., backed by a big mining consortium, are discreetly optimistic about the 700-ft, shaft they have drilled at Wheal Grenville, near Redruth. Four miles away across the fields, a rival Canadian company has drilled 200 ft, beneath a stretch of farmland where bullocks (though not spies from the opposition camp so far) have to be kept away from the rig with an electric fence,

From 200 to two

A century ago there were 200 Cornish mines. Now there are two, South Crofty, near Redruth, and Geevor, near St. Just, employing 640 men between them.

There would probably be no shortage of labour for new mines because Cornish industry provides little wage competition. "The money's not good but it's better than working on the land," said John Jervis, a 21-year-old who works at South Crofty. And other miners, compact men with red-stained faces, who had brought the sour smell of their carbide lamps with them from 2,000 ft, under the earth, said the same thing.

Amenta, a Sicilian with years' mining experience, Italians, Irishmen and even a handful of Poles, who fought with Anders' army before finishing up in army before finishing up in "Try earning £20 a week on e land," suggested Giuseppe menta, a Sicilian with 12 Cornwall, made the same of points.

of points.

The existing mines have been doing well enough to attract outside companies to Cornwall—the shares of Geevor have risen in value by two and a half times in nine years. Tin mining involves high capital outlay—the Union Corporation Group of South Africa is one of the big companies financing prospecting—but a lucky man who acquired mineral rights and found a company to exploit them might still make exploit them himself rich.

mining experience will produce hoarded specimens of rock and tell you they've always had a hunch about this or that site. Few get farther than that, but one mining engineer, Mr William Harry, is certain he knows the Harry, is certain he know best prospect in Cornwall. Cornishmen Jo Lots

One of the richest'

I see one. I was fourteen when started, 2,000 feet down, and I've superintended mines in half a dozen countries since," he says. His Penzance house is littered with a jumble of specimens and mining certificates. "You could "I ought to know a mine when I was fourteen when I

say the Carnelloe mine is one of

bleak cliffs on the coast road from St. Ives to Land's End. As the shaft is only 156 feet deep, most of it under the sea, remosered it under the sea, receptial investment of between 2200,000 and £300,000 but given an 80-ton a week production level—" at Carnelloe that would be a very conservative estimate." Mr Harry maintains—the annual return (as long as prices stay high) could reach nearly 50 per cent. Mr Charles Jelbert, the farmer with the mineral rights, I went to see it, built into the the richest I've ever seen."

could forget his cows for ever But, like Mr Harry and if Carnelloe got going.

Canadian company interested in financing the project, he has been frustrated by a controversy over planning permission. All the same there are plenty of other longneslected mines in Cornwall that might be made to pay.

The year 1963 has not turned into a Cornish 1849 or produced a Great Tin Rush but powerful interests are trying to reverse the tide of one hundred years' history. There might still for the man who finds tin bottom of his garden.



Photographs by Kelvin Brodie

Under the derrick in the shadow of an old Cornish tin mine, a new drill goes down, but the miners with their carbide lamps are still much the same, even to the extent of preferring the old-type helmet (top left) Dec 2nd

Rescuer

rescued

A former Bristol Grammar School pupil, who has taken part in several Mendip cave rescues, was himself brought to safety yesterday after spending 19 hours underground in a Yorkshire cave system.

Bristol dentist Mr. Ivor Perry, was one of seven Cambridge University potholers trapped in Providence Pot, in the Dow Cave series near Skipton.

They entered the cave at 1 p.m. on Saturday, and intended to explore the whole system. But they found the going more difficult than they had expected, and when their lamps gave out, they decided to await help.

One of the party who had in "quite good shape."

Jeffrey Perry (20), son of stayed on the surface raised the alarm, and members of the Upper Wharfedale Rescue Association staged a four-hour rescue operation.

They were helped by an R.A.F. mountain rescue unit who were in the district.

Jeffrey's parents, who live at 16, Pinewood Close, Westburyon-Trym, first heard of the rescue when police telephoned them to say their son was safe. The potholers were said to be

PICK OF THE POTHOLERS

SEVEN students put on a pothole "pop" singing session when they were trapped for a night because their lights failed in a cave at Kettlewell, Yorks. Yesterday the seven men, all from Cambridge University, were pulled out unharmed. harmed.



Jeffrey Perry, a former pupil of Bristol Grammar School whose home is at Westbury-on-Trym, was rescued after 19 hours in a Yorkshire cave at the week-end. He is pictured (holding cup) with some of his six fellow potholers from Cambridge University, who were also trapped. (See story Page 19).

Rescuers draw up safety code for cavers

The Mendip Rescue Organisation has issued 3,000 copies of a new leaflet containing advice and precautions for caving on the Mendips.

The Caving Code has been drawn up by members of the leading caving clubs in the area, and wardens of the M.R.O.

— the voluntary body that organises and carries out cave rescues in the tricky Mendip holes.

It has been distributed free to the many caving clubs in the area, to farmers who control entry to some of the principal caves, and to shops that sell caving equipment.

Another 1,000 leaflets have been printed, and Dr. Oliver Lloyd, of Withey Close West, Westbury-on-Trym, secretary of the M.R.O., hopes to distribute them among the many cavers who do not belong to clubs.

do not belong to clubs.

"Half the caving on Mendip is done by young people who belong to small, mushroom clubs, or no clubs at all. These are hard to contact," he said.

FOR EMERGENCIES

One page of the leaflet details ordinary caving god manners and precautions practised on Mendip. The other tells the caver what to do when things go wrong.

do when things go wrong.

Caving tips from the first section include:

Always leave a note with someone on the surface to say which cave you are visiting and what time you expect to be back;
It is a good thing to have two

forms of lighting with you, and to be able to do repairs in the dark;

Helmets are essential on verticals and desirable at most other times;

• Keep in touch with the caver behind you at all times to prevent the party from splitting up:

Never use other people's tackle without making arrangements with them, as it may be missing when the return journey is made;
It is not usually safe to have

less than four cavers in a party; if someone gets hurt, the second stays with him, while the other two go for help.

Advice in times of trouble

Advice in times of trouble includes:

If your lights fail, or you have lost the way, stay where you are and await rescue;

 If you have to wait, get out of draughts and huddle together to keep warm;

The party giving the alarm should observe the M.R.O. notice at the cave entrance — go to the nearest telephone, ring the police at Wells 3481, and stay by the telephone until the rescue warden rings back for information;

To avoid getting trapped by floods, consult the weather before going down a wet cave.

MENDIP RESCUE ORGANIZATION

CAVING CODE

Normal Caving

- It is usually best to ask the owner's permission before entering his cave.
 Never grudge the farmer his shilling; goodwill is worth more than that.
- 2. Always leave a note with someone on the surface to say which cave you are visiting and what time you expect to be back.
- 3. Make sure that your lights are in good order and that you carry with you the necessary spares. It is a good thing to have with you two forms of lighting and to be able to do repairs in the dark.
- 4. Clothing should be adequate for the type of trip contemplated. Wet caves need warmer clothing. Strong boots are recommended. Helmets are essential on verticals and desirable at most other times.
- 5. Keep in touch with the caver behind you at all times; this prevents the party from getting split up. The leader should be on the look-out for signs of fatigue or distress, particularly with beginners. He should give the necessary encouragement and be prepared to turn back. Take food with you for any long or energetic trip.
- 6. Always take your own tackle for a ladder pitch. Never use other people's tackle without making arrangements with them: it may be missing when you return. If you find a pitch already laddered you may either (a) leave your ladders at the head of the pitch, contact the party below and ask them to put your ladders in position, when they go out, or (b) take up the other ladders and put down your own, especially if they are better. It is courteous to roll up the other people's ladders. Never go away with other people's tackle, not even if you have lost your own. Never put ladders side by side on a pitch. Never have more than one person climbing at a time.
- 7. A life-line should be available for all verticals and must be used on verticals of over 20 ft. It is not sufficient to have it just in case; the leader must insist on its use. On long pitches (e.g. Lamb Leer) it is essential either to use a double life-line or to leave a life-liner at the head of the pitch.
- 8. Leave no rubbish in a cave or near its entrance. Spent carbide should be buried or tipped into an active streamway (not pools). Don't use it to defile the rocks and stalagmite. Spent batteries, flash bulbs and toffee papers are rubbish, and should be removed.
- 9. In Swildon's Hole Sump I is a safe free dive of $6\frac{1}{2}$ ft. Sump II is 30 ft. and should on no account be attempted free. Sump IV of 15 ft. is difficult and should not be attempted for the first time, unless in company with someone who has done it and knows it well. In Stoke Lane Sump I (2 ft.) is safe unless there is flooding. If there is a river running in the Pebbly Crawl, the sump will be impassable. Sump II should not be attempted. All other sumps on Mendip are best avoided.
- 10. It is not usually safe to have less than four cavers in a party. If someone gets hurt, the second stays with him, while the other two go for help.
- II. Join a reputable caving club, if you want to learn and enjoy good caving.

THE SPELEOLOGICAL YEARBOOK AND DIARY 1964

Dear Sir,

Thank you for your interest in the above publication which will be published and posted to you early in January - but do not worry, the diary is not operative until February 1st 1964.

The demand for this publication now exceeds the 2,000 mark and because of the high cost of this type of publication we shall only print to supply existing orders.

We therefore ask you to place your order now and avoid disappointment.

QUANTITY DISCOUNTS - Available to Clubs only.

12 @ £5.10. O.

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6 @ £2.17. 6.

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Summery of Gre Altitudes.

800 - 850 pt.

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830 - 820. Reads Grotto. Linear.

Swallets and shakeholes of Priddy, chestan and Hillgrove are an important part of this group.

780 - 360. East writer.

800 - 400. Swildows.

799 - 378. St. Cuthberts.

700 - 350. Longwood August.

All there cares start to level off towards chair explored ands.

750 - 800 pt.

800 - 770. Polimeres Core. Odds a right at 720 gt.

775 - 755. G.B. Devils Elbow. Network.

460. G.B. Double Passage.

791 - 763. G.B. W.A.E. siteinsons. Network.

750. Waterlip Comes. Shelters.

400 - 750 K.

701, 6.B. The Doye. Branchwerk.

740 - 700. Rhino Rigt. Lineat.

700. Hawks Nest. Sheller.

650 - 700 ft.

684 - 650. G.B. White Parsager Garge. Branchwork.

Great Central Vadore Region.

600 - 650 pt.

632 - 635. G.B. Rhumba Alley Rige Chamber.

500 - 600 Ht.

600. Bone Hole. 150 ft hinest.

570 - 550. Brownes Hole. 700 ft Bronchwerk.

600 - 530. Fairy Care. 450 ft hinest.

590 - 567. G.B. Main Chamber. 500 ft Bronchwerk.

600 - 566. Milliam Care. 2800 ft Network.

600 - 580. Piscia Gratto. Lineat.

NB. Balch Cue, etc.

Withybrook Slocker, Panny Hale, Little hand on etc. Hong visings are modern Jeatures. 500 - 550 ft.

550 - 520. Bath Swallet, 100ft lines.
530. Goatelwork, entrence. 135ft lines.

Eastern Phreatic Zone.

550. Stake Lone Stocker. Naturale.

Henry of the large vodose ceres extend into this region.

450 - 500 pt.

500 - 464.	Dial Query are.	120 st lines.
450,	Goutchach (part).	134 ft linear.
480,	Reads (main chambes).	lines.
450,	Sous Hale.	Sheltos.
500.	Tunnel Care.	linear.
500.	White Domais Hole.	Shelter.

400 - 450 ft.

430-390.	Andridge Odre Cerem.	150ft linear
425-416.	G.B. Main Chambas Sout Dig	8.
430.	Pigs Hale.	Shelter.
W15.	Roserrois Hale-outrone.	hiner.
450-430.	willets have Hole.	Linear.
400	Yorkhause Care.	Shelts

350 - 400ft.

380 - 340. Arelines Hole, 130 pt lines.

370. Noney Comets Hole, Shelter.

360, Gouldwel (Prainpipe). 40st linew.

300 - 350 gt.

330. Chelmo Combe Querry Core.

305. Great Ones Hale, 300 ft Branch work,

318. Honey Hale. 25ft Brondwork.

300,	Bochwell Care,	12 ft calcute vein.
 260.	Bodger Hole.	roft.
250 - 190.	Barvell Bone Care,	100gt. Network.
250 - 190,	Banvell Stabolite Core.	250ft, Branchwik.
260.	Churchill Rocks Core.	50 ft. linear.
286,	Soldiers Hale.	Shelter.

200-250 gt.

210.	Hyena Den.	100 ft lines.
203.	Long Hale.	lines.
240.	Sun Hale,	Sheltes.
250 - 210.	Woohey Hale Care.	Branch week.
230.	Finance Care.	

150 - 200 pt.

190. Gongle Old Core, Main Chalas. HOft, hinear.
190. Laston Core.
190. Pride Evens Hale, Shelter.

Sheller.

190 - 160. Shitter Hale.

100-150 /

140. Cooper Hale. Lineas, 107. Gaughs Care. 3,400 Je Brenchwerk. 140-130. Scragge Hale. Sheller. Supra Sandy Hole. Shelts. 140. Flint Jacks Care. 100. Sheller. Com Querry Core. 120 Linear.

western Vado-Phreatic.

50 - 100 Jr. New Cases.

60.	Aquerium Cave.	300 ft Branchisk.
100.	Concer Cave.	300ft hines.
90.	Dennys Hale.	Brench werk.
100.	Sandy.	hines.
90 - 50.	Sayer Hole.	Brenchwek.
100.	uphill cores.	Shelts.



John Conwell in wookey Hale.

Photo by Phil Ranford.

Deep down under the heart

TUNNELLING 60 FEET of Bristol A DAY-AND STILL THREE MILES TO GO

PICTURES BY NORMAN MILLER STORY BY PETER WOON



• One of the concrete transporters, of which four are in use to carry six tons of concrete at a time along the waterlogged track.

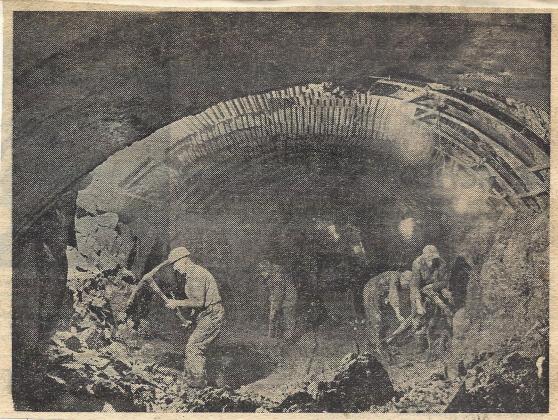
S city traffic travels along A Cheltenham Road, Bristol, this summer, workmen will be blasting out a tunnel 60 feet below them.

For Bristol's "Northern Stormwater Interceptor," the major project in the city's £10 million scheme to cure its flooding and sewerage problems, is now approaching its second major road crossing—the first was Whiteladies Road.

Within a fortnight, the 80 workers who regularly use the "Underground" transport "Underground" transport system which runs through the 16-foc high tunnel from Port-way will be able to climb into the fresh air again at Shaft 5A in Eastfield Road, off the bottom of Cotham Brow, after a journey of nearly two miles.

Then they will carry on with their blasting, under Cheltenham Road, to complete the second stage of the £3½-million project at St. Andrew's Park. After that, the third stage will take them under Stagleton. take them under Stapleton Road station and Eastville gas works to the car park of Bristol Rovers football ground.

And there, by 1960, hopes Mr. W.
R. McCann, the contracts
manager for A. E. Farr Ltd.,
the troublesome Frome will be
linked with the Avon by a
three-and-a-half-mile tunnel dropping one foot every 1,400 feet to carry floodwater away.



 Under Portway, workmen dig out the last section of the first stage of the tunnel, which stretches from the Avon to Clifton Down Station—and beyond to Cotham.

plenty of water on their hands already—43 million gallons of it are having to be pumped out of the tunnel every week. "But that's only a dribble compared with what the tunnel will eventually carry," says Mr. McCann.

His men have been moving at a good pace these last few months and six weeks ago they achieved a new record of blasting, driving 294 feet of new tunnel through in a week. Now, running up against marl, the rate of tunnelling is down to 50 feet a week.

There are other figures in Mr. McCann's latest progress report. To date, he said, 11,076 feet of tunnel has been driven, together with 1,039 feet of shafts.

On the tunnelling side, apart from driving on through to Cheltenham Road, his men are also completing the excavation of the beginning of the tunnel under Portway. A concrete balkhead keeps out the Avon; eventually it will be removed and tidal "flaps" will be put in position. Further up there will be sluice gates.

The other major work is the concreting of the tunnel. Mr. McCann's figure on this: 34,437 cubic yards of concrete have been used so far.

CLIMB on one of the trucks under Portway and clatter along the waterlogged miniature railway tracks at 15 m.p.h. to 150 feet under Waverley Road, Redland, and you see where all the concrete goes.

There, a 60-foot shuttering, also on rails, is in place. Liquid cement, brought along on new cement transporters, is remixed on the spot and "fired" through a pipe by compressed air. The pipe carries it into the shuttering, which holds boarding round the tunnel in the correct horseshoe shape. In

nine hours the gap between the shuttering is filled up by some 300 tons of concrete.

Twelve hours later the shuttering is withdrawn and that section of the tunnel has been properly surfaced.

Amid the tremendous roar of the mixer and the hiss of the compressed air, it is slow work.

Just 60 feet a day with nearly two miles complete and, taking into account the several subsidiary tunnels, three miles to go.

So Mr. McCann and his men are guaranteed employment for some time yet. Apart from the water, the rocks and the rest of it, their major problem these days is visitors. "We seem to spend half our time trying to keep them away," said the contracts manager.